



PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS

Western Region Saudi Arabia Jeddah Chapter



CHARTERED 1995

MOST OUTSTANDING CHAPTER

2005, 2006, 2007, 2011, 2012, 2013 AND 2023

20th Annual Convention & General Membership Meeting



PSME WRSA JC @30:
Working Towards
Economic Stability
While Protecting
the Environment

December 8, 2023
JTWAR DIAMOND HOTEL
Jeddah, Saudi Arabia

MEMBER





PSME



TABLE OF CONTENTS

Cover Page	1
PSME National Logo	2
Table of Contents	3
Theme Rationale / Convention Logo	4
Souvenir Cover	5
PSME Creed / PSME Core Values / PSME Prayer / Oath of Membership	6
Convention Programme	7
Brief History	8
Through the Years	9
Message from the President of the Philippines	17
Message from the Vice President of the Philippines	18
Message from the Consul General - PCG Jeddah	19
Message from the 2023 PSME National President	20
Message from the 2024 PSME National President-Elect	21
Message from the PSME VP Middle East	22
Message from the PPO-WRSA 2023 President	23
Message from the PSME WRSA JC Chapter President	24
Message from the Convention Chairman	25
Message from the Editor-in-Chief	26
Message from the Past Presidents	27
Technical Write-Up	33
Council of Past Presidents / Mission Statement	38
2023 Board of Directors	39
Working Committees	40
PSME National Awardees Hall of Fame / Members Awards	41
2023 Chapter Awardees / Presidential Award of Excellence	42
Distinguished Service Award / 71st NatCon TOME Awardees	42
71st NatCon Fellow Awardee / Honorary Service Award	42
Chapter's Awards and Members Achievements	43
2023 SPLE Passers - Master Plumbers	43
19th Annual Convention	44
Life Members / Regular Members / Associate Members	46
President's Annual Report	47
2023 Chapter Activities	49
Kick-off Meeting and Planning	50
2023 SPLE Review Sessions	51
1st Technical Seminar	52
2023 Basketball Fun Game	53
Special Professional Licensure Examination 2023	54
2023 Plant Tours - Saudi Laundry Services	55
Thanksgiving 2023	56
2023 Mid-Year Convention and GMM	57
2023 PME Write Shop	58
2nd GMM & Election of 2024 BOD's	59
PPO Coastal Clean-up Drive.....	60
PPO Fun Bowling Tournament 2023	61
71st PSME National Convention	62
2023 PME Aspirants Dubai Interview	63
2024 Board of Directors	64
Family Ads	65
Advertiser - KHALAF A.H.AL Sulami for Trading Co	67
Back Cover - Sponsor - EQUICHEF Middle East	68

Theme Rationale

"PSME-WRSA @ 30: WORKING TOWARDS ECONOMIC STABILITY WHILE PROTECTING THE ENVIRONMENT"

By Jose Melvin D. Santos, RMEE, AE

Photography by: Engr. Napoleon Cepriaso



This commemorates the 30th Founding Anniversary of the PSME Western Region Saudi Arabia Jeddah Chapter. Every Group or Organization desires to have Economic Stability. Having it enables the organization to function smoothly despite disruptions from external and internal sources. Although it is still a work in progress, time and experiences have tested us. We stayed together. We may have slowed down a little, but we didn't stop our advocacies beneficial to our general membership. We must continue to serve

our organization and at the same time we must protect our environment. Engineers make and introduce innovations with the help of science to achieve Economic Growth and Stability. But these should not damage the environment, instead these innovations should protect and keep our nature for future generations.

Convention Logo



The logo for this year's convention embodies the components mentioned in our convention theme, "20th Annual Convention & General Membership Meeting". The 30 is diffused on the PSME WRSA Jeddah Chapter logo representing the thirty years of service of PSME to our fellow Mechanical Engineers and OFW in Jeddah Saudi Arabia. The person with hardhat looking at our flag and various machinery and equipment in the background represents all Filipino Mechanical Engineers in their respective fields working together to deliver excellent and world-class standards of professional service in the Philippines and in Saudi Arabia. The building and trees represent progress and development while protecting the environment and natural resources.



Souvenir Cover



From design to manufacturing to the marketplace, mechanical engineers apply all engineering principles and problem-solving techniques for any kind of object. Mechanical engineers analyze their work using the principles of motion, energy, and force—ensuring that designs function safely, efficiently, and reliably, all at a competitive cost. This includes solving today's problems and creating future solutions in health care, energy, transportation, world hunger, space exploration, climate change, and more.

This year's convention souvenir with a theme, "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment". The cover represents the contributions of mechanical engineers to our world. From analyzing the drawings to the application of principles and laws of Physics that solve and improve our lives.

On the cover, a working engineer on the globe represents the contribution of mechanical engineers in every corner of the world, in any industry, and in any challenge that needs

engineering solutions. Mechanical engineers may design a component, a machine, a system, or a process. This ranges from the macro to the micro, from the largest systems like cars and satellites to the smallest components like sensors and switches.

Green hue represents reducing energy consumption with efficient designs to harness renewable energy sources and developing sustainable waste management practices, mechanical engineers play a vital role in mitigating the impact of human activities on the environment. It also conforms with the 71st PSME National Convention's theme "Empowering Filipino Mechanical Engineers Towards Sustainable GREEN Industry for a Better Philippines"



Photography by: Engr. Napoleon Cepriaso

By: John Ray O. Madla, RMEE, AE



PSME Creed

We, the Mechanical Engineers of the Philippines
Conscious of our responsibilities to God, our Country
and Fellowmen

Affirming our adherence to the code of ethics for
Mechanical Engineers

Desirous in participating and contributing in the social,
economic and industrial growth of our country

Determined to support one organization that shall
embrace the mechanical engineering profession

Have resolved to unite to accomplish these aims by
constituting a national organization of Mechanical
Engineers.

PSME Core Values

I am a person of INTEGRITY. I act with honesty,
transparency, and accountability. I do the right things,
the right way.

I maintain PROFESSIONALISM at all times with
high respect for others, observing proper conduct,
following the code of ethics, honoring commitments,
and acting fairly and with dignity.

I strive for EXCELLENCE thereby achieving the highest
standard of performance in all my undertakings.

I internalize TEAMWORK. I act with sense of urgency,
mindful of entrepreneurial spirit and work with unity,
cooperation, collaboration, synergy and convergence
towards a common goal.

I exercise LEADERSHIP with humility and characterized
by stewardship. I lead by example, walk the talk and
celebrate success as owned by all the members of the
team.

I embody CONCERN FOR STAKEHOLDERS especially
the welfare of our members, employees and all we
work for and those who work for us.

I am an integral part of a RESILIENT, NATIONALISTIC
and GOD-FEARING Organization. I weather the odds
and implore peace, harmony, kindness, good work,
love of country and social responsibility.

PSME Prayer

Heavenly Father, Maker of Heaven and Earth, we
thank You for the Filipino Mechanical Engineer, for
our profession, and for our organization, the PSME.
You have sown us as seeds, scattered here and abroad
as PSME Engineers - humble planners, designers
and builders of all things mechanical - our humble
testament to the Glory of Your Creation.

We bring before You the fruits of our profession,
forged by the fire and burning passion of the PSME
mission: Professionalism - to help us maintain the
integrity of the Engineering Profession; please keep
our hearts true to the highest ethical principles of our
field.

Service - to enable us to contribute to the
enhancement of science and technology; we pray for
all Filipino Mechanical Engineers to work together as
one in shaping the economic growth of our country.
Motivation - to uplift the Engineering Profession;
please help us promote fellowship and cooperation
among all Filipino Mechanical Engineers and to instill
nationalism among PSME members.

Excellence - to enable us to become outstanding
PSME members. We pray for all Filipino Mechanical
Engineers to actively contribute to the advancement
of the profession, to be recognized globally as we
develop the talents You have given us.

Help us to provide sustainability to the changing world.
May the PSME bring together all Filipino Mechanical
Engineers - and as one - stand united as beacons of
strength and stability to the world.

All these we pray through You, our Heavenly Father,
forever and ever, Amen.

Oath of Membership

"I, _____ after having been accepted
as a member of the Philippine Society of
Mechanical Engineers Western Region Saudi
Arabia Jeddah Chapter, do hereby solemnly
swear, That, I will defend the Constitution and By-
Laws of the Society; That, I impose upon myself
the aforementioned duties and obligations
voluntarily and without reservation or purpose of
evasion.



Convention Programme

20th ANNUAL CONVENTION & GMM PROGRAMME OF ACTIVITIES

Time		
8:30 AM - 9:00 AM	REGISTRATION & ACKNOWLEDGEMENT OF THE PARTICIPANTS	JOBERT DE LA ROSA, RMEE OLIVER O. SALAZAR, RMEE, AE EVWIN D. JARADAL, RMEE
9:00 AM - 9:03 AM	PSME Prayers	NIÑO JOSE A. LOPEZ, RMEE, AE
	Muslim Prayers	BADRODEN BALINDONG, RMEE
9:03 AM - 9:08 AM	National Anthem (Phils. & Saudi)	ZOOM MASTER
9:08 AM - 9:11 AM	FORMAL OPENING OF THE 20TH ANNUAL CONVENTION	JOHN RAY O. MADLA, RMEE, AE
9:08 AM - 9:13 AM	WELCOME ADDRESS	JOSE MELVIN D. SANTOS, RMEE, AE
9:13 AM - 9:28 AM	KEYNOTE SPEAKER	
	Introduction of Keynote Speaker	LEONARD P. MERIALES, RMEE, AE
	Message of KEYNOTE SPEAKER	ENGR. LORETO CATALAN
		PSME National President
9:28 AM - 11:30 AM	TECHNICAL PRESENTATION	"HAZARDS ASSOCIATED WITH MEDICAL GAS SYSTEMS MAINTAINABILITY IN HOSPITALS: A DESIGN OPTIMIZATION METHOD"
	Introduction of Technical Speaker	DONALD B. MAKALINTAL, RMEE
	TECHNICAL SPEAKER	JOHN RAY O. MADLA, RMEE, AE
		EVP & Convention Chairman
	Question & Answer	MODERATOR
	Awarding of Plaque of Appreciation	MODERATOR
11:30 AM - 11:45 AM	PRODUCT PRESENTATION OF SILVER SPONSOR	EQUICHEF MIDDLE EAST MECHANICAL & ENGINEERING EQUIPMENT, L.L.C.
	Question & Answer	MODERATOR
	Awarding of Plaque of Appreciation	MODERATOR
11:45 AM - 1:00 PM	LUNCH BREAK / VIDEO PRESENTATION	
1:00 PM - 1:05 PM	INTRODUCTION TO ADVERTISER	KHALAF A.H.AL SULAMI FOR TRADING CO.
	Awarding of Plaque of Appreciation	MODERATOR
	GENERAL MEMBERSHIP MEETING & INDUCTION OF 2024 BODS	
1:05 PM - 1:12 PM	PSME CREED	NAPOLEON M. CASTAÑEDA, RMEE, RMP
	PSME CORE VALUES	ZOOM MASTER
1:12 PM - 1:22 PM	CALL TO ORDER	
	PROOF OF ATTENDANCE AND DECLARATION OF QUORUM	JOSE MELVIN D. SANTOS, RMEE, AE DEXTER JHONES H. ANDAYA, RMEE
	PRESENTATION & ADOPTION MEETING AGENDA	
1:22 PM - 1:32 PM	READING & ADOPTION OF PREVIOUS MINUTES OF MEETING	DEXTER JHONES H. ANDAYA, RMEE
1:32 PM - 1:47 PM	PRESIDENTS ANNUAL REPORT	JOSE MELVIN D. SANTOS, RMEE, AE
1:47 PM - 2:07 PM	DIRECTORS' REPORT	DIRECTORS
2:07 PM - 2:22 PM	GUEST OF HONOR	
	Introduction to the Guest of Honor	JOHN JOHN SOLAM, RMEE, Meng-ME
	Message of the Guest of Honor	HON. EDGAR TOMAS Q. AUXILIAN
		CONSUL GENERAL - PCG JEDDAH
	Awarding of Plaque of Appreciation	MODERATOR
2:22 PM - 2:37 PM	PRESENTATION OF THE 2023 BOARD OF DIRECTORS AND THEIR DISCHARGING TO OFFICE	LEE I. BONIFACIO, RMEE, AE COMELEC CHAIRMAN
2:37 PM - 2:52 PM	PRESENTATION OF THE 2024 BOARD OF DIRECTORS AND THEIR CHARGING TO OFFICE	HON. EDGAR TOMAS Q. AUXILIAN CONSUL GENERAL - PCG JEDDAH
2:52 PM - 3:07 PM	INDUCTION OF THE 2024 BOARD OF DIRECTOR	ENGR. LORETO G. CATALAN PSME NATIONAL PRESIDENT
3:07 PM - 3:22 PM	TURN-OVER CEREMONIES: 2023 CHAPTER PRESIDENT TO 2024 CHAPTER PRESIDENT	JOSE MELVIN D. SANTOS, RMEE, AE JOHN RAY O. MADLA, RMEE, AE
	ACCEPTANCE SPEECH OF THE 2024 CHAPTER PRESIDENT	JOHN RAY O. MADLA, RMEE, AE
3:22 PM - 3:27 PM	OTHER MATTERS & ANOUNCEMENTS	JOSE MELVIN D. SANTOS, RMEE, AE
3:27 PM - 3:30 PM	ADJOURNMENT	DEXTER JHONES H. ANDAYA, RMEE
3:30 PM - 3:50 PM	PRESENTATION OF CHAPTER AWARDEES	NORIEL J. NOLLORA, RMEE JOBERT M. DE LA ROSA, RMEE
3:50 PM - 4:10 PM	GRAND RAFFLE	JULIUS M. CAÑECA, RMEE GILBERT V. ESPIRITU, RMEE
4:10 PM - 4:15 PM	CLOSING REMARKS	JOHN RAY O. MADLA, RMEE, AE

Moderator : DEXTER JHONES ANDAYA

Zoom Master : ALDRIN ALIZON LANGO



Through the Years

Western Region Saudi Arabia
Jeddah Chapter
Chartered 1995

Brief History

The Philippine Society of Mechanical Engineers - Western Region Saudi Arabia Jeddah Chapter (PSME-WRSA) was started and headed by Nildo K. Tan, Jr., PME, FPSME, a member of the Philippine Society of Mechanical Engineers Saudi Arabia Chapter (PSME-SA) in Dammam. During his assignment in Jeddah, he was tasked to form the PSME-WRSA in Jeddah, being the Director of Autonomous Provincial Unit (APU). The objective was to promote excellence in the practice of mechanical engineering profession among the Filipino mechanical engineers in the Western Region of Saudi Arabia, and to provide a venue for enhancing professional competence, brotherhood, inter-action and camaraderie among its members.

REMINISCENCES THROUGH THE YEARS

1993

- Initially, only a handful of mechanical engineers coming from various companies and business establishments in Jeddah showed interest to join.
- 30 Registered Mechanical Engineers was the basic requirement by the PSME National to become an independent chapter.

1994

- The required 30 Registered Mechanical Engineers was attained and the application to become an independent chapter was formally endorsed by PSME-SA Chapter to the PSME National.
- Subsequently, Nildo K. Tan, Jr., PME was elected as the first Chapter President.

1995

- The term of Engr. Ruben Parpan has formally received the charter approval PSME-WRSA Jeddah Chapter from PSME National as an independent chapter.
- Nildo K. Tan, Jr., PME was automatically named as the Charter President.

1996 and 1997

- During the presidency of Engr. Rene Y. Logarta and Engr. Rene C. Bernales, PME, respectively, PSME-WRSA formulated its constitution and by-laws identifying areas of responsibilities, social awareness campaigns, plant visits, technical seminars, membership growth, and sports activities.
- The first PSME-WRSA sports fest was sponsored by Advance Petroleum Services Limited-Gulf Oil courtesy of Charter Pres. Nildo K. Tan, Jr.

1998

- Pres. Danilo V. Gercio, PME and the BOD conceived the idea of board exams here in Jeddah for non-registered mechanical engineers and plant mechanics.
- Documentation and communications with the PSME National Office and the Professional Regulation Commission (PRC) was initiated.
- Rizalino Nobleza, PME spearheaded the first M.E. Board Exam review at IPSJ, Jeddah.
- The birth of PSME-WRSA's newsletter, "Jeddah Prime Movers" was successfully launch with this first issue. Thanks to the efforts of Ruben B. Serrano, PME, and Dionisio A. Lora Jr., PME together with the contribution from all members.
- PSME-WRSA Jeddah Chapter received a Presidential Award from PSME National's 46th Annual Convention held in Cebu, Philippines on October 22, 1998.



Through the Years

1999

- The term of Filemon E. Agulo, PME, was considered a year of fulfillment. Plans and preparations of his predecessors became a reality.
- The first Professional Mechanical Engineer (PME) board examination took place in November 20, 1999. PRC representatives together with BME members came to Jeddah and conducted the examination. Some associate members took the Mechanical Engineers board exam in Dammam.
- Another Presidential Award was received by PSME-WRSA Jeddah Chapter from PSME National's 47th National Convention on October 22, 1999.

2000

- The millennium president Wilfredo R. Ruiz, PME made substantial achievements.
- The Professional Regulation Commission (PRC) conducted the 1st Mechanical Engineers board exam and the 2nd Professional Mechanical Engineers board exam in Jeddah on July 2000.
- Pres. Willy was awarded Outstanding Chapter President.
- Felimon E. Agulo, PME was awarded as The Outstanding Mechanical Engineer (TOME), Consultancy category.
- Edwin M. Evasco, PME and Mohd. Pedro D. Entico, PME was awarded Most Outstanding Member and Most Outstanding Committee Chairman, respectively.
- PSME-WRSA got a Presidential Award at PSME National's 48th Annual Convention in Cebu, Philippines on October 20, 2000.

2001

- The presidency of Dionisio A. Lora Jr., PME marked another milestone with notable achievements and projects.
- The 1st board exam for Certified Plant Mechanic (CPM) was conducted and the 2nd board exam for ME took place in Jeddah and Dammam.
- PSME-WRSA sponsored two deserving scholars who took 2-year vocational course.
- The formation of APU Riyadh for chartering was initiated.
- PSME-WRSA received a Presidential Award at PSME National's 49th Annual National Convention on October 19, 2001.

2002

- Pres. Juan U. Berbie, PME continued the implementation of the two students' scholarship from Region 11 and Region 4 under the supervision of DSWD.
- Formation and chartering of PSME-WRSA Toastmasters Club 6899 on March 5, 2002 by Toastmasters International, USA. Ricardo V. Romero, PME was the first elected Club President with 22 charter members.
- Recommendation was done to the PSME-National for the chartering of PSME-WRSA APU-Riyadh with more than 30 regular members.
- Napoleon M. Cepriaso, PME got The Outstanding Mechanical Engineer (TOME) award for Special Category in Environmental Engineering.
- PSME-WRSA Jeddah Chapter got the Most Outstanding Chapter for Membership Growth.
- Ricardo V. Romero, PME was awarded as the Most Outstanding Committee Chairman.
- PSME-WRSA Jeddah Chapter received a Plaque of Recognition during PSME National's 50th Annual Convention in Manila on October 19, 2002.

2003

- Pres. Orlando L. Digma, PME faced many challenges in his term.
- The Autonomous Provincial Unit (APU) Riyadh was chartered by PSME National. The Induction of the Board of Directors was held in 28th February 2003 in Riyadh and IPP Juan U. Berbie, PME represented the PSME-WRSA Jeddah Chapter.
- The Chapter's first-ever scholar from Region 11 has successfully completed his studies in October 2003.
- Julio D. Caringal, PME and Wilfredo R Ruiz, PME were awarded as The Outstanding Mechanical Engineers (TOME) for Consultancy and Special Category in Automation and Controls, respectively, during the 51st PSME-



Through the Years

National Annual Convention held in Manila.

2004

- The second term of Pres. Wilfredo R. Ruiz, PME, reminded us of how important camaraderie is, for the good and strengthening of any organization.
- Engr. Jose Emmanuel B. Acebuque was awarded The Most Outstanding Member at PSME National's 52nd Annual Convention in Manila.

2005

- Pres. Ernesto C. Cala, PME made momentous accomplishments.
- Ernesto C. Cala, PME was awarded as The Outstanding Mechanical Engineer (TOME) for Special Category in Automatic Energy Management and Controls System.
- PSME-WRSA Jeddah Chapter was awarded the Most Outstanding Chapter for the year 2005.
- PSME-WRSA received a Plaque of Recognition at PSME National's 53rd Annual National Convention on October 19, 2005.

2006

- The term of Pres. Willie C. Leoncio, PME was a dream come true for succeeding with their mentoring of Jeddah Electrical Engineers organization of their newly established Toastmasters club.
- PSME-WRSA Toastmasters Club successfully conducted the Youth Leadership Training joined with the International Philippine Schools of Jeddah.
- PSME-WRSA once again received the Most Outstanding Chapter Award and a Plaque of Recognition at the PSME National's 54th Annual Convention on October 24, 25 & 26, 2006.

2007

- The presidency of Pres. Joselito A. Arellano, PME had been very fruitful.
- Pres. Lito was awarded the Most Outstanding Chapter President.
- Engr. Rainier P. Patawi was awarded The Most Outstanding Member.
- PSME-WRSA received The Most Outstanding Chapter Award at PSME National's 55th Annual Convention.
- A mid-year thanksgiving party and fellowship was conducted to celebrate the fruitful and successful midyear activities of the Chapter.
- Continued board review for the ME and CPM examinees headed by the Professional Enhancement Director Julio D. Caringal, PME for the incoming SPLBE-SA of December 2007.

2008

- Under the leadership of Pres. Froilan G. Miro, PME the chapter made notable achievements.
- Napoleon M. Cepriaso, PME conducted the Project Management seminar during the Midyear Convention. Followed by Wilfredo C. Leoncio, PME who conducted a seminar and product presentation on Daikin Air Conditioning Technological Advancement.
- Under the responsibility and commitment of Engr. Julio D. Caringal, PME, determined PME examinees passed the examination; Engr. Jose Emmanuel B. Acebuque, Engr. Ruben Alzate and Engr. Edilberto Cabodil. The Oath-taking was held during the 9th PSME-WRSA's Annual Convention on November 28, 2008.

2009

- Pres. Julio D. Caringal, PME was determined to maintain the good performance of the chapter.
- Professional Enhancement Director Emmanuel B. Acebuque, PME headed the review preparation for the incoming SPLBE.
- Dionisio A. Lora, Jr., PME was awarded as TOME (The Outstanding Mechanical Engineer) in Hotel Engineering category.
- Pres. Julio conducted seminars on HVAC Design Part 1 and HVAC Design Part 2 and distributed a workbook he authored entitled "Cooling and Heating Load Calculation Manual".



Through the Years

- Overview of Project Management seminar was conducted by Engr. Henry Cabansag, PMP.
- PSME-WRSA Toastmasters Club under the Presidency of Engr. Jaime L. Leviste, CC, CL garnered some awards from Toastmasters International.

2010

- Chapter President Joselito L. Bentulan, PME had to realign the chapter to where it has been heading since the chapter was chartered 1995.
- As an executive order E0-835 was signed by the Philippine President Gloria M. Arroyo on 06 October 2009 declaring that Special Board Examinations (SPLBE) is going to be conducted by the Professional Regulation Commission of the Republic of the Philippines, in the Kingdom of Saudi Arabia yearly. The founding of Jeddah Review Center by Wilfredo Ruiz, PME was recognized by the chapter to handle the review classes for BS of Mechanical Engineering graduates.
- In order for the chapter to focus more of its activities to the benefits of general membership, it was on this term where history transpired that the past presidents of PSME-WRSA Jeddah Chapter were to hold positions such as: Wilfredo Leoncio, PME- Auditor and Ernesto C. Cala, PME - Code of Ethics Director: to fill the vacuum created by non-availability of PSME-WRSA membership to hold such positions.
- The Council of Past Presidents of PSME-WRSA, Jeddah Chapter was organized to support the PSME-WRSA, Jeddah Chapter officers and Board of Directors in advisory level, initially chaired by the Charter President Nildo K. Tan Jr., PME.
- The collective efforts of 2010 PSME-WRSA administration was rewarded with the following national awards: 1. Most Outstanding Chapter in Membership Growth. 2. Most Outstanding Chapter Project. 3. Most Outstanding Committee Chairman for Engr. Jeffrey Esperanza.

2011

- Pres. Rainier P. Patawi, ME shared his version of four (4) P's for the chapter's successful accomplishments: Planned purposely, Prepared prayerfully, Proceeded positively and Pursued persistently.
- The chapter made record-breaking number of National Awards from PSME National's 59th Annual Convention at Quezon City, Philippines on October 21, 2011 as follows: Most Outstanding Chapter- International; Best Chapter in Membership Growth; Most Outstanding Chapter Project - "Bayanihan Spirit for Flood Victims in Philippines"; TOME Award for Napoleon M. Cepriaso, PME in Construction category; TOME Award for Rainier P. Patawi, ME in Information Technology category; Nildo K. Tan, Jr., PME for the Fellow Award; and Pres. Rainier was awarded Most Outstanding Chapter President- International.
- Oath-taking of new Licensed Mechanical Engineers: Engr. Antonio H. Amosco Jr., Engr. Liza L. Acosta and Engr. John E. de Leon at Al Waha Hotel, Jeddah.

2012

- Pres. Napoleon M. Cepriaso, PME led the chapter during its darkest year. Despite the imminent threat to its existence, it managed to move forward with programs and seminars to enhance the technical knowledge and skills of the members.
- PSME-WRSA Jeddah Chapter has set a benchmark of excellence in community service.
- Set another record-breaking number of national awards (12 awards out of 14 nominations) from the PSME National's 60th Annual Convention in Quezon City, Philippines on October 19, 2012.
- Pres. Nap got The Most Outstanding Chapter President - International Award.
- The chapter for The Most Outstanding Chapter - International.
- Most Outstanding Chapter in Membership Growth.
- Most Outstanding Chapter Project - Operation "Habagat".
- Most Outstanding Publication - Jeddah PriME MoVERs Newsletter.
- TOME (The Outstanding Mechanical Engineer) Awards for: Joselito L. Bentulan, PME in Manufacturing category; Roel Alfon G. Banawis, ME in Design category; Ace Glen B. Garcia, ME in Consultancy category; Crisostomo C. Ortiz, PME in Community Service category.
- Achievements and Service Awards for: Wilfredo R. Ruiz, PME for Fellow Award; Lee I. Bonifacio, ME as Outstanding Secretary; and, Jemuel B. Esguerra, PME as Most Outstanding Committee Chairman



Through the Years

2013

- Pres. Jaime L. Leviste was one of the most active officers who served the chapter. He Offered the lecture room of New Al Jedaani Hospital for the chapter's technical seminars and other activities.
- PSME-WRSA Toastmasters club mentored Jotun Toastmasters Club and continued the Youth Leadership Training Program to International Philippine School of Jeddah and Al Hekma International School.
- Pres. Jimmy. with Membership Director Jemuel B. Esguerra, PME met with the PSME National president in Scout Bayoran, Quezon City to seek important advice on chapter's status.
- PSME-WRSA Jeddah Chapter garnered the following National Awards from the directorate of PSME Scout Bayoran: Most Outstanding Overseas Chapter; Most Outstanding Chapter President for Engr. Jaime L. Leviste; Special Technical Competency Award; Special Humanitarian Award (for raising donation to the victims of Typhoon Yolanda).

2014

- Pres. Crisostomo C. Ortiz, PME continued to lead the chapter through its rough journey. Despite the odds, PSME-WRSA remained intact and committed to community service.
- Achievements and activities for this year were: Money donation to children of Santa Veronica, San Pablo City with Engr. Jaime L. Leviste and Engr. Lee I. Bonifacio; Conducted Basketball Tournaments; Technical Seminar on General Machine Design/ Parliamentary Procedure by Engr. Lorenzo O. Gaviola and TM Edgar Hernandez, respectively; Participated at KAMC Invitational Bowling Tournament; Mid-Year Convention and Technical Seminar on Design of Water Distribution System by Jemuel B. Esguerra, PME; Seminar on DSLR - Understanding Its Basic Operation by Napoleon M. Cepriaso, PME; Coastal Clean-Up Drive at Bohayrat Spearheaded by APO; Plant Tour at Al Hidada Galvanizing Plant; Technical Product Presentation by DUCT Sox.

2015

- Pres. Ruben B. Serrano, PME demonstrated exemplary leadership at this time when PSME-WRSA has hibernated and going through transformation.
- When PSME National was divided, PSME-WRSA Jeddah Chapter was delisted.
- Despite being delisted, Pres. Ruben continued the negotiation with the PSME National officers in Paredes to recognize the chapter.
- Various activities were conducted to keep the membership alive: Participation in All-Star Bowling and PPO Bowling; General Membership Meeting; Al-Khattan get-together; Toast for PP Lito L. Bentulan, PME; Philippine Independence Day Celebration at PCG; and, Wow Pinoy Bowling Fun Game.

2016

- For the second year, Pres. Ruben B. Serrano, PME lead the chapter.
- To give full service and benefits for the members, the chapter was chartered for the 2nd time as PSME-JWR in March 4, 2016 at Trident Hotel by PSME National-Paredes under Pres. Murry Demdam. It became the 89th chapter of PSME. Dr. Ed Malagapo conducted the oath-taking of officers and BODs as well as the chartering, graced by the presence of Vice-Consul Alexander Joseph A. Estomo. Sponsors: EGPHIL and TEAMAC Arabia.
- Pres. Ruben automatically became the charter president and first president of PSME-JWR (Jeddah Western Region).
- The chapter's website www.psmе-jwr.org was officially launch in May 7, 2016 thru IT Director, Engr. Paulo Taruc.
- First issue of official e-newsletter, Jeddah PrimeMovers, under PSME-JWR was issued in August.
- Conducted the following technical seminars: Press Tool Design by Ruben B. Serrano, PME; Heating, Ventilating, and Air Conditioning (HVAC) Design by Engr. Jemuel B. Esguerra, PME; and Operation and Maintenance of a Rotating Equipment by Engr. Chris Ortiz, PME.
- Participated in Invitational bowling tournaments by GBI and KAMC.
- Collaborated with other civic organizations to help distressed OFWs of Saudi Oger.
- National awards at 64th PSME Annual Convention in Manila, October 19-22, 2016: Fellow Award to Napoleon M. Cepriaso, PME; TOME Award (Special Category: Biomedical) to Engr. Jaime L. Leviste; Best Website Award to www.psmе-jwr.org; and, Most Outstanding Project to PSME-WRSA Toastmasters Club 6899.



Through the Years

2017

- Pres. Elmer Quanico had turned a new leaf as the chapter continued the list growing of activities and achievements. He was the 2nd president of PSME-JWR.
- Conducted seminars and technical presentations as follows: Fire Alarm System Design and Application by Wilfredo R. Ruiz, PME, FPSME; Project Management Basics for Engineers and Technicians by Napoleon M. Cepriaso, PME, FPSME; Solar Energy System Application by Engr. Yamen Mohamed Samir Al Akeel of ICONS;
- National Awards garnered: Fellow Award for Wilfredo R. Ruiz, PME, FPSME; TOME Award for Engr. Ruben Serrano, PME.
- Board Exams passers: Engr. Jemuel B. Esguerra and Engr. Joel A. Santos, Professional Mechanical Engineers; and, Engr. Michael James C. Arcaparas, Mechanical Engineer.
- Sports and community activities: PPO Yearend Bowling Tournament (2nd Place); MRRD-OFW Bowling Tournament; KAMC Bowling Tournament (7th Place); PPO Bowling Tournament; and, participated in the Feeding and Relief Program for unfortunate OFWs in Saudi Oger Co.

2018

- Pres. Jemuel B. Esguerra, PME became the 3rd President of PSME-JWR and continued the legacy of the chapter.
- Conducted the following CPD-approved seminars: 5S Workplace Organization Process and TPM - Process for Improving Equipment Effectiveness (8 points); Project Management Basics for Engineers and Technicians Part-2 (8 points); Introduction to Auto Cad and Elevator Technology (4 points); Automatic Fire Protection System Design (8 CPD points); and, Sewage Lifting Station (8 points). Design and Application of HVAC DDC Controls and Building Management System (8 points); and, 3rd Annual Convention and General Membership Meeting (8 points).
- Continued the program for ME members to upgrade their license to PME. Two workshops were conducted accordingly.
- Actively participated in the activities of Philippine Professional Organization Western Region Saudi Arabia (PPO-WRSA) with the Philippine Consulate General; Meet and greet for our new Consul General Edgar Badajos; Meeting with DOLE-OWWA at PCG; assistance to the examinees of the Special Licensure Exams and many more.
- Sports activities: Basketball friendly game at Escuela De Espanyol; Joined a basketball league with our team name "PrimeMovers".
- PSME-JWR achievers: Engr. Noel Bitera and Engr. Crisostomo Ortiz, professional mechanical engineers; and, Engr. Arnel Layug, registered master plumber.
- National awards garnered: Engr. Elmer B. Quanico, The Outstanding Mechanical Engineer (TOME) Special Category Household Refrigerating Appliances; and, Engr. Aldrin Alizon D. Lango The Outstanding Mechanical Engineer (TOME) Special Category - Advanced Cooling System.

2019

- Engr. Noel S. Bitera, PME became the 4th President of PSME-JWR but has tendered his resignation from the position effective March 1, 2019 to take rest due to health condition and to reduce stress for his healing process. Engr. Aldrin Alizon D. Lango, the elected Executive Vice President, by virtue of succession, became the Chapter President.
- Engr. Aldrin Alizon D. Lango also became the Vice-President for PPO WRSA.
- On February 6, a Board Resolution dated January 30, 2019 was forwarded to PSME National under the leadership of Interim National President Dr. Jeffrey Singson with the title "A BOARD RESOLUTION EARNESTLY REQUESTING THE PSME NATIONAL TO REACTIVATE "PSME WRSA JEDDAH CHAPTER" AS CHARTERED IN 1995 INCLUDING ALL OF ITS ACHIEVEMENTS, RECOGNITIONS AND ACCOMPLISHMENTS AND MERGED WITH "PSME-JWR" AS CHARTERED IN 2016 INCLUDING ALL OF ITS ACHIEVEMENTS, RECOGNITIONS AND ACCOMPLISHMENTS". During the 2nd National Regular Board Meeting held on February 9, 2019 at the PSME Building, Sgt. Bayoran St, Bgy. South Triangle, Quezon City, the Interim Board of Directors thru its Board Resolution 2019-31 has approved the resolution. On June 9, 2019 the formal letter regarding the approval of the resolution was received.
- Technical Seminars Conducted were: "Communication, Leadership Skills & Wealth Management" by DTM Joey Villanueva (32 CPD points); "PME, AER, AET Orientation Seminar" by Lorenzo O. Gaviola, ME, Crisostomo C. Ortiz, PME, and Lee I. Bonifacio, ME; and "Basic Design of Firefighting System (Wet Pipe Sprinkler) by Engr. Roseller A.



Through the Years

Junsay Jr.;

- The Chapter had Plant Tours and Process Presentations in: Saudi Refrigerator Manufacturing Company Factory on "Familiarization & observation of refrigerator manufacturing process"; and Friesland Campina Middle East Factory on "Milk Production Process"
- A Thanksgiving and Get-together was held in Al Qattan Village Beach Resort. It was also highlighted by the "Last Toast" for the PSME-JWR Charter President, Ruben B. Serrano, PME.
- Our Chapter also participated in different activities of the Philippine Professional Organization-Western Region Saudi Arabia (PPO-WRSA); we have assisted in the conduct of SPLE 2019 at Ibn Sina Medical College; and more.
- The Chapter have also participated in some activities that the Philippine Consulate General of Jeddah; Have attended first ever State of Post Address by the Hon. Edgar B. Badajos last December 6, 2019; and more.
- 2019 PSME-WRSA JC achievers: Engr. Willyn D. Espino, Engr. Lee I. Bonifacio, Engr. Joel Amos A. Acosta, and Engr. Liza L. Acosta as First Batch of ASEAN Engineers. Engr. Maria May M. Atole and Engr. Napoleon M. Castañeda as SPLE 2019 Passers in Registered Master Plumber.

2020

- Conducted ASEAN Engineering Register Technical Writeshop on February 7, 2020. The writeshop Technical Speaker was the PTC MENA Deputy in the Western Region, Engr. Richard R. Garcia, PECE, APEC Eng., ACPE, FACPE, AE.
- The Chapter's operations were on hold for almost three months due to Covid-19 pandemic but the Board of Directors led by Engr. Aldrin Alizon D. Lango persevered. The Chapter was able to discharge its functions while observing the health protocols through the virtual platform "Zoom".
- The Chapter was able to organize technical Webinars on: "The Role of BIM in Sustainability, Energy and Environment" by Ace Glen Garcia, Mechanical Designer & Energy Modelling Lead, Canada; "PME Orientation and Writeshop" conducted by Engr. Napoleon M. Cepriaso, PME, FPSME; "Autonomous Maintenance" by Engr. Greg A. Gulmatico.
- Conducted a "Virtual Membership Kamustahan" on August 14, 2020 in order to assess the current status of our general membership.
- For the first time in the history of PSME-WRSA Jeddah Chapter, the constitution and By-Laws (CBL) was ratified by the general membership during its Mid-Year General Membership Meeting on August 28.
- Extended assistance to our fellow Filipinos in the Philippine Consulate General in Jeddah male and female wards on September 18, 2020.
- Organized the first Virtual Plant Tour in Reza Hygiene Plant and Election of Year 2021 BODs on October 2, 2020.
- 2020 Achievers were: Engr. Maria May M. Atole, Engr. Napoleon M. Cepriaso, Engr. Aldrin Alizon D. Lango, Engr. Jose Melvin D. Santos, Engr. John Ray O. Madla, Engr. Leonard P. Meriales, Engr. Orlan C. Moriones, Engr. Crisotomo C. Ortiz, Engr. Oliver O. Salazar and Engr. Antonio Elmer L. Quintilla as second Batch of approved ASEAN Engineers

2021

- In the midst of the pandemic with eased health protocols, on January 7 and 8, 2021, Engr. Lee I. Bonifacio led the Chapter's thanksgiving get-together in a beach resort at Obhur with a successful annual planning of activities.
- PSME-WRSA JC CBL was amended to serve the growing number of members in the Philippines who desired to keep their membership with WRSA Jeddah Chapter. Chaired by our Code of Ethics Director Engr. Noriel Nollora. The proposed CBL amendment was approved by the Board of Directors last November 2, 2021 and due for ratification.
- Three (3) of our members were virtually conferred last April 10, 2021 during the 2021 ASEAN Engineering Register Conferment Ceremonies 2021-02 and ten (10) of our members were conferred in a hybrid set up last July 16, 2021 in collaboration with Institute of Electronics Engineers of the Philippines, Inc - KSA WRC during the 2021 ASEAN Engineering Register Conferment for Western Region of Saudi Arabia by the Philippine



Through the Years

Technological Council.

- Our chapter actively participated in the 12th Middle East Regional Conference hosted by PSME-UAE Chapter. It was concluded on October 8 and 9, 2021. We actively participated and attended the 69th NatCon activities.
- Our Mid-Year General Membership Virtual Conference was conducted last June 25 and successfully chaired by Engr. Nino Jose A. Lopez. Graced by PSME National leaders and BME Chairman Leandro A. Conti as the Guest of Honor.
- "Jeddah Prime Movers" the official newsletter of PSME-WRSA JC was relaunched and able to release 2 Issues of Volume 16.
- The chapter had two batches of Plant Tour Saudi Dairy and Foodstuff Company (SADAFSCO) Ice Cream factory in Phase 1 of Industrial City 1 led by Engr. Roy Tumamak and our associate member Mr. Elmer Quintilla.
- Our Chapter representatives actively participated in all PPO-WRSA activities. As a member organization, we led the ventilation enhancement program of the female ward of Bahay Kalinga at the Philippine Consulate General - Jeddah.
- We had conducted the following technical webinars in order to support the chapters' continuing professional development of its members and other professionals: 1. "Future-Proof Buildings for the Changing Climate" by Engr. Ace Glen Garcia; 2. "Boiler Safety Procedure and Maintenance" by Engr. Crisostomo Ortiz, 3. "Elevator Design and Standards" by Engr. Lorenzo Gaviola, and 4. "Solar Photovoltaic Grid Interactive Design" by Engr. Ahmed Selim; 5. "Refrigeration and Air-conditioning Hybrid Workshop" by Engr. John Ray Madla; 6. "Getting Chartered - Process of becoming an Engineer in the UK and Commonwealth of Nations" by Engr. Ace Glen Garcia; and 7. "Stocks, Mutual Funds and REIT's: Are they Good Passive Investments" by Engr. Napoleon Cepriaso.

2022

With countries slowly lifting up it's COVID restrictions, the 2022 Board of Directors took over with Engr. Niño Jose A. Lopez ,ASEAN Eng. at the helm. As soon as the Strategic Planning for the year had been concluded, the Chapter engaged in a series of activities which includes the following:

- Technical Webinar about "Solid Financial Foundation and Parliamentary Procedure" conducted by Mr. Joey I. Villanueva, CPA on Feb. 11
- "PME Writeshop" conducted by Engr. Crisostomo C. Ortiz, PME, Asean Eng. and Engr. Napoleon M. Cepriaso, PME, FPSME, Asean Eng. on Mar. 4
- Annual Thanksgiving at Obhur Resort on Mar. 17 to 18
- Launching of 2022 Review Program on Mar. 25 in preparation for the resumption of SPLE (Special Professional Licensure Examination) since the COVID pandemic. The program covers the board examination for Registered Mechanical Engineer (RMEE) and Registered Master Plumber (RMP). Our VP External Affairs , Engr. John Ray O. Madla, Asean Eng. and Technical Affairs Director Engr. Napoleon M. Castañeda, RMP served as lecturers
- Technical Webinar about "Health and Safety Awareness" was conducted by Engr. Dante L. Calapatia on Apr.22
- "Let's Play Ball" basketball friendly game at a school stadium in Khames Al Khoulafa on May 20
- The 2022 Mid-Year Conference and General Membership Meeting at Bora Café Restaurant in Al Ballad, Jeddah led by our Conference Chairman cum VPI Engr. Jobert M. De La Rosa, the Chapter's first face to face formal event since the COVID pandemic, with seminars conducted by Engr. John Ray O. Madla, Asean Eng., Mstr. Michael F. Canuday, RME and Engr. Lawrence P. Bacelonia, The event also serves as the Ratification of our 2021 Amended Constitution and By-Laws conducted by our Code of Ethics Director (CED) Engr. Noriel J. Nollora.
- "Bowling Fun Game" held in Bowling City, Tahlia on Aug. 26, with Code of Ethics Dir. Engr. Noriel J. Nollora as the champion.
- 2nd General Membership Meeting and Election of 2023 Board of Directors via Hybrid platform at Bora Café Restaurant in Ballad, Jeddah on Sept. 30. It includes a seminar on "Solar PV System Installation - Best Practice conducted by Engr. Ahmed L. Selim
- "Plant Tour at Saudi Airconditioning Manufacturing Co. (SAMCO) Ltd." on Oct. 28. The presentation and tour was conducted by Engr. Noel A. Cabacungan (QA Supv.), Engr. Othman Ali Abdullah Ali (QA Engr.) and Engr. Aris P. Chong (Prodn. Coordinator)



Through the Years

- 19th Annual Convention and General Membership Meeting at Jiwat Diamond Hotel on Dec.9. It includes seminars conducted by Engr. Niño Jose A. Lopez, Asean Eng. and Engr. John Ray O. Madla, Asean Eng. Our chapter also initiated fund drives as follows: Tabang Vizmin for victims of typhoon Odette, Arayat Abra for victims of Luzon earthquake, Financial Assistance.

Being a member of the Philippine Professional Organization - Western Region Saudi Arabia (PPO-WRSA), our chapter is actively involved in every activity and event which includes: Leadership and Training Webinar, Gala Night for a Cause, Araw ng Kalayaan with Filipino Community, Community Outreach at SAED Accommodations, Coastal Clean-up Drive at Buhairat Open Beach, Bowling Fun Game with Guardians and Bloodletting drive.

The accomplishments of the Chapter are the following:

- A 10.67% membership growth courtesy of Membership Director Engr. Orlan C. Moriones, Asean Eng, this includes the induction of seven (7) new members
- Our Chapter Newsletter, "Jeddah Prime Movers" led by our Editor-in-Chief IPP Lee I. Bonifacio published two (2) issues.
- Securing the services of Montreal LLC for the application of CPD Units in our seminars and trainings.

Our National achievers for the year:

- The Outstanding Mechanical Engineers (TOME) Award for Engr. Roseller A. Junsay, Jr. - Special Category - Hospital Utilities Engineering
- The Outstanding Mechanical Engineers (TOME) Award for Engr. John Ray O. Madla - Special Category - Hygienic Engineering (HVAC's Role in Covid-19 Prevention)

Our ASEAN Engr. Conferees for the year:

- | | |
|--------------------------------|----------------------|
| • Engr. Roseller A. Junsay, Jr | - Bahrain Conferment |
| • Engr. Julius Q. Garcia | - Bahrain Conferment |
| • Engr. Niño Jose A. Lopez | - Bahrain Conferment |
| • Engr. Bliven U. Garcia | - Phil. Conferment |
| • Engr. Lorenzo O. Gaviola | - Phil. Conferment |
| • Engr. Miller F. Narvas | - Phil. Conferment |
| • Engr. Rainier P. Patawi | - Phil. Conferment |
| • Engr. Wilfredo R. Ruiz | - Phil. Conferment |



Message from the President of the Philippines



MALACANAN PALACE
MANILA

MESSAGE

I extend my warmest greetings to the **Philippine Society of Mechanical Engineers–Western Region Saudi Arabia Jeddah Chapter**.

As the digital era gives rise to novel innovations and technological advancements, the immense role of mechanical engineers have become more influential than ever before. The ingenious ideas, creative designs, and contemporary strategies that you introduce complement nicely with our daily needs and respond to our critical demands—which include addressing a multitude of worldwide concerns being faced by our country.

It is thus encouraging that the theme of your **20th Annual Convention and General Membership Meeting** is anchored on our shared commitment towards economic growth while also promoting environmental conservation. I have confidence that the discussions emanating from this gathering will lead to concrete solutions that will positively affect the Filipino citizenry and your host country.

With your abundant expertise and unrelenting passion in your specialized field, I am certain that you will further bring honor to your esteemed profession and our nation.

I wish you the best in your endeavors.


FERDINAND R. MARCOS JR.

MANILA
8 December 2023

THE PRESIDENT OF THE PHILIPPINES



Message from the Vice President of the Philippines



Republic of the Philippines
Office of the Vice President

MESSAGE



Assalamualikum.

I extend my warmest greetings to the officers and members of the **Philippine Society of Mechanical Engineers—Western Region Saudi Arabia Jeddah Chapter (PSME-WRSA JC)** as you gather for your 20th Annual Convention and General Membership Meeting.

The theme, “PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment,” resonates deeply with the aspirations of our nation and the challenges we face as responsible stewards of our planet.

For 30 years, the PSME-WRSA JC has stood as a beacon of excellence, fostering camaraderie and professional development among Filipino mechanical engineers in Saudi Arabia. Your unwavering commitment to upholding the highest standards of ethics and professionalism within your field is commendable.

As you embark on this new chapter in your journey, I encourage you to continue championing the causes that matter most: economic stability, environmental sustainability, and the betterment of our nation. Your collective efforts will undoubtedly leave an indelible mark on the lives of many.

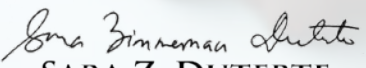
The PSME-WRSA JC is a testament to Filipino engineers' resilience, ingenuity, and unwavering spirit.

May your 20th Annual Convention and General Membership Meeting serve as a platform for renewed inspiration, collaboration, and commitment to making a positive difference in the world.

Maging MATATAG tayo tungo sa isang Bansang Makabata at Batang Makabansa.

Lahat—para sa Diyos, bayan, at bawat pamilyang Pilipino.

Shukran.


SARA Z. DUTERTE
Vice President of the Philippines
Secretary of the Department of Education



Message from the Consul General - PCG Jeddah



MESSAGE FROM THE CONSUL GENERAL Philippine Consulate General in Jeddah

My warmest greetings to the officers and members of the Philippine Society of Mechanical Engineers-Western Region of Saudi Arabia, Jeddah Chapter (PSME-WRSA-JC) on the occasion of your 20th Annual Conference and General Membership Meeting.

I congratulate you all for the success of your organization, whose prolific existence has spanned twenty-eight years. Since its chartering in 1995, your organization has been very active and dynamic in undertaking various activities such as capacity building programs for the benefit of your members in the region. Your numerous community building initiatives, and outreach and social development programs have also been helpful to our compatriots in the region.

*Your conference theme “**PSME-WRSA-JC @ 30: Working Towards Economic Stability While Protecting the Environment**” underscores your commitment towards contributing to national development through your professional excellence and technical skills which are admired and looked up to in the world. With the unprecedented advancements in technology, there is also a need to make use of products and technologies that are ecology-friendly, and that our respective industries also help protect the environment, while providing innovative services. By taking care of our environment, we are able to safeguard the future of the present and future generations.*

Indeed, Filipino engineers, like all other professionals in the Kingdom of Saudi Arabia, have always brought great pride and honor to the country, with your strong work ethics, hard work, and competence, which are commended not only in the Kingdom but also in many parts of the world.

The Philippine Consulate General in Jeddah continues to support PSME-WRSA-JC and all our Filipino community organizations in your objective of promoting professional development and strengthening community building among Filipinos in the Western Region of Saudi Arabia. I wish you all the best in the pursuit of your organization's goals as well as success in your plans for the rest of the year 2023 and beyond.

Mabuhay and God bless you all!



EDGAR TOMAS Q. AUXILIAN



Message from the 2023 PSME National President



My heartfelt congratulations to PSME Western Region Saudi Arabia Jeddah Chapter Officers and members on your 30th foundation celebration and 20th Annual Convention! Your celebration is based on the solid history written by you and everyone who came before you who created the PSME WRSA as it is now. It is a story woven with dedication, hard work, service, innovation and resiliency.

Your theme "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment" highlights two major factors that we all aim for: Economic Stability and Environmental Sustainability. These are embedded in our 2023 PSME Green Agenda. Years ago, it was said to be impossible but today it may still be challenging but with activities that emphasizes that Economic Stability and Environmental Sustainability such as you have now, more and more realizes that is indeed possible. There are many articles, locally

and globally that supports this. You have seen these two sides here in Jeddah, that because of its strategic location became a pivotal hub in the area. There is rapid urban development but alongside are projects on green spaces, renewable energy and efficient transportation system under Saudi Vision 2030. And I am very proud that PSME WRSA Jeddah Chapter, with its various activities, initiatives and this 20th Annual Convention, continues to work in alignment with the government goals.

Again, congratulation and my sincerest appreciation to each one of you. Mabuhay ang resilient Filipino Mechanical Engineers and CPMs!

Agbiag ti PSME!

ENGR. LORETO G. CATALAN, PME
PSME National President



Message from the 2024 PSME National President-Elect



Fresh greetings from the Tuna Capital of the Philippines!

Your celebration of the PSME-WRSA JC's 20th Annual Convention and General Membership Meeting is indeed timely and remarkable. Congratulations!

Gathering together all the strong men and women of the Philippine Society of Mechanical Engineers in Saudi Arabia is a symbol of united spirits and determination to excel and leap to great lengths in the name of our country. I am elated of this invitation.

Mechanical engineers are environmental protectors. Our professional practice is constantly intertwined with the preservation and protection of natural resources. We are the vanguard of progress because it is our fundamental duty to prepare our future generations with all things mechanical.

By fostering our presence in the world, we must be reminded of our intergenerational responsibilities. We cannot grow in prominence when we mechanize catalysts of environmental destruction. We cannot take pride if we use our profession to jeopardize our ecosystems. But we can be proactive builders, when we join together and resolve our environmental crises by advancing environmental justice and professional volunteerism.

This event is a blessing to everyone because we can gather friends, new business partners and renew our brotherhood for One PSME.

Mabuhay ang PSME & God Speed.

Engr. Jeremy T. Aguirre, PME, MBA
PSME National President Elect



Message from the PSME VP Middle East



It is with great joy and pride that I extend my warmest congratulations to each one of you on the momentous occasion of your 20th Annual Convention and General Membership meeting, the chapter where I joined first in year 2000 being my PSME journey. This significant milestone is not just a testament to time but a celebration of two decades of unwavering commitment, innovation, and shared dedication to the field of mechanical engineering and service to the general members.

As we gather to mark this moment, I am filled with gratitude for the outstanding efforts put forth by the entire working committee. Your tireless dedication, meticulous planning, and exceptional execution have undoubtedly contributed to the success of this Annual Convention. It is through your collective enthusiasm and hard work that you have established a tradition of excellence, setting a standard that reflects the spirit of PSME WRSA Jeddah Chapter.

To the supreme general members, extending

my sincere appreciation for your continued support and active participation. Their enthusiasm and engagement have been vital in creating a vibrant and dynamic society of mechanical engineers. It is through your collective knowledge and passion that you have been able to achieve new heights and foster a culture of continuous learning and growth.

A special commendation is reserved for energetic Chapter President, Engr. Jose Melvin D. Santos and his current officers & BOD's. Under your leadership, the chapter has flourished, achieving remarkable milestones and impacting the society positively. Your dedication to the principles of PSME and your ability to inspire those around you have played a pivotal role in shaping the success of your chapter. It is leaders like you who embody the true spirit of our organization and drive us toward excellence. As you celebrate decades of achievements, let us reflect on the journey that has brought us here and look forward to the future with renewed determination and enthusiasm. The challenges ahead may be significant, but with a committed team like yours, I am confident that you will continue to overcome them and make even greater strides in the years to come.

Once again, congratulations to each members of the PSME WRSA Jeddah Chapter on this remarkable achievement, years of excellence and to many more years of continued success.

Warm regards,

Engr. Shayed Mamayog
PME, ACPE, MBA, RMEE, Fellow
Senior Projects Manager - Projects & Technical department
VP for Middle East, PSME National Board of Trustees (NBOT)



Message from the PPO-WRSA 2023 President

It is an honor to convey my warmest greetings to all the PSME-WRSA JC Officers and Board of Directors headed by President Engr. Jose Melvin Santos for conducting your 20th Annual Convention and General Membership meeting this coming December 8, 2023.

I would like to extend this opportunity to congratulate all the PSME-WRSA JC officers and staff for their dedicated services to the Chapter and to its members. Conducting your 20th annual convention is a manifestation of dedication in serving your organization despite your obligation to your work and families.

As the 2023 PPO-WRSA President, I would like to acknowledge PSME-WRSA JC for your invaluable and untiring support to the programs and activities of PPO-WRSA from SPLE to another activity. But what makes it remarkable is the clean-up drive at Buhairat beach attended by more than 150 participants. An all-time high record for PPO-



WRSA Clean-up Drive. Many thanks to Engr. Niño Jose Lopez for Chairing this activity with PSME-WRSA JC member.

Your theme "PSME-WRSA JC @30: Working towards Economic Stability while Protecting the Environment" is a manifestation of your commitment to move forward and be Globally Competitive by continuously working forward but not affecting the environment stability.

Congratulations to all and Mabuhay!!!

Quote to Ponder:
To move forward, Keep taking the tablet!

Engr. Bernardo M. Allayban, REE, MBA
2023 President
PPO-WRSA
Jeddah KSA





Message from the PSME WRSA JC Chapter President

Greetings Everyone!

I Congratulate PSME-WRSA Jeddah Chapter on its 20th Annual Convention & General Membership Meeting. A perfect event to celebrate the fruitful year we had.

I would like to commend the 2023 BODs for your active participation and functions in every event we have organized and conducted from the start of the year until this writing. Thank you for your tireless efforts and dedication to achieve our mission. From Meetings, Technical Seminars, Plant Tours, Sports Activities, Community Service, Professional Assistance, Fund Raising and Conferences.

You truly proved worthy to be called Servants of our Profession and Patriots. Hats off to you.

To our Council of Past Presidents, thank you for your selfless supports and advises. You have inspired us to work even harder in our mission to serve the chapter.

To the incoming Board of Directors led by Pres. Elect John Ray O. Madla, I wish you success in the coming year 2024. Keep the torch of the chapter burning. And in doing so, always make sure to keep up with our Creed and Core Values.

To the General Membership and past BODs, thank you for your continued support and participation in every event conducted. You are a source of motivation that fueled us to keep on. And most importantly, to our Almighty God for the strength and blessings you have showered us.

TO GOD BE THE GLORY

Jose Melvin D. Santos, RMEE, AE
Chapter President





Message from the Convention Chairman

Warmest Greetings!

This 20th Annual Convention is significant and productive to PSME WRSA Jeddah Chapter Members and Board of Directors, for we achieved a lot of awards and recognitions. Our motivation is our members. Our integrity and foundation are our officers who worked selflessly and tirelessly to make the event possible. I am grateful for all the blessings that we received this year despite the challenges.

It is difficult to volunteer. We dedicate, commit, and work hard to make things happen and to finish our goals. It is my greatest pleasure to thank the past and present Board of Directors, Executive officers, supporters, sponsors, well-wishers, and their understanding family members that the PSME WRSA Jeddah Chapter is now on its 30th year of service.



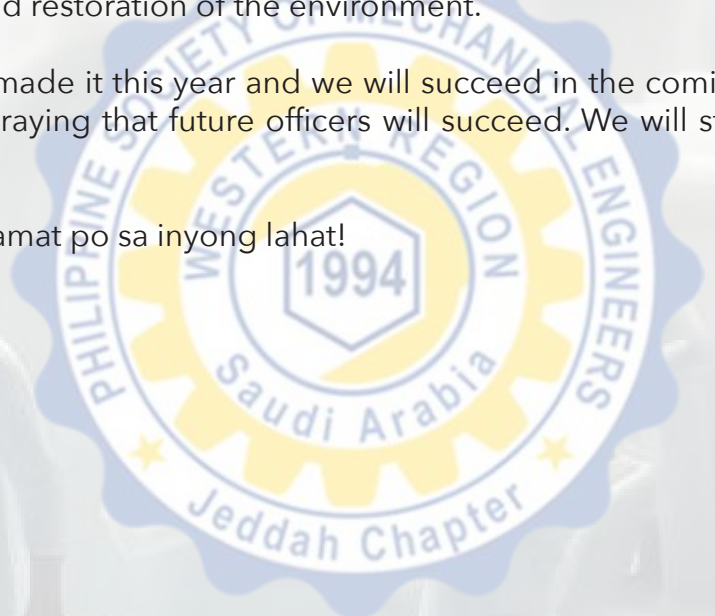
Photography by: Engr. Napoleon Cepriaso

Our theme, "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment" represents resiliency, unity, commitment, diligence, and hardworking Filipino Mechanical Engineer working not only in our country but also in every part of the world. We solve problems and create solutions in healthcare, energy, transportation, world hunger, explorations, and climate change, considering the safety and restoration of the environment.

With our persistence and determination, we made it this year and we will succeed in the coming years. We already succeeded this year and praying that future officers will succeed. We will stay committed to serving our supreme members.

Mabuhay ang PSME WRSA JC! Maraming Salamat po sa inyong lahat!

John Ray O. Madla, RMEE, AE
Chapter Executive Vice President
Convention Chairman 2023





Message from the Editor-in-Chief

Photography by: Engr. Napoleon Cepriaso



I would like to extend my heartfelt congratulations to the PSME WRSA Jeddah Chapter on the occasion of its 20th Annual Convention and General Membership Meeting. This is truly a remarkable achievement and a testament to the dedication and hard work of the 2023 BOD's and its members. Moreover, I would also like to commend the convention chairman and committee members who have worked tirelessly to ensure the success of this event. Their efforts and their contributions have been instrumental in making the convention a truly enriching and memorable experience for all participants.

The theme of this year's convention, "PSME WRSA JC @ 30: Working Towards Economic Stability While Protecting the Environment," reflects the growing awareness of the interconnection between economic stability and environmental protection. Just recently, the world has witnessed the devastating impacts of climate change, environmental degradation, and natural disasters. These events have highlighted the urgent need to address environmental issues and work together

towards a more sustainable future.

The theme will serve as a reminder that we all have a collective responsibility to work towards a more sustainable future and that, by taking advantage of the power of mechanical engineering; we can make a meaningful impact on the world.

I would like to congratulate the awardees from the 70th Annual National Convention. These awards serve as proof of the exceptional skills, expertise, leadership, and professionalism possessed by the members of the PSME WRSA JC.

Last but not least, congratulations likewise to PSME WRSA Jeddah Chapter for being the "Best Chapter for 2023" in category "C".

These individual and chapter recognitions will serve as an inspiration for others within the organization. Well done, PSME WRSA Jeddah Chapter.

Engr. Gilbert V. Espiritu, RMEE

PSME WRSA JC

Information & Technology Director 2023



Message from the Past Presidents

Working towards Economic Stability while Protecting the Environment

Economic stability thru systematic projects construction in line with the need of the country for growth and improvement is great as it allows job creation, money circulation and stir commerce.

"LEED" from USA, "BREEAM" from UK, etc. started while "Estidama" from various gulf countries had been formed to help in minimizing the effects of construction to the environment & the trend is applying "net zero energy" design.



Let us all be part or be aware of this movement to help the environment including Philippines where effects of climate change is more detriment.

Kind regards,

DANILO GERCIO, PME
PSME-WRSA-JC PP-1998

Congratulations to the PSME-WRSA Jeddah Chapter for its 30 years in service. It has not only provided a home for Filipino Mechanical Engineers here in Jeddah, Saudi Arabia but has given them a family to belong. Long live PSME-WRSA JC!

It is with honor and pride to extend my congratulations to the 2023 Board of Directors with the leadership of Engr. Jose Melvin D. Santos for an outstanding service to the Chapter and to the Society! This year's achievement as "Most Outstanding Chapter Category C" and other individual member awards from PSME National is a testament of your dedication and genuine service. Engaging members to achieve individual goals thereby leading mechanical engineers to stand united for economic transformation and contribute to our nation's progress.



Taking this year's accomplishment as an inspiration, it is exciting to look forward for a promising Chapter's journey with the incoming Board of Directors for fiscal year 2024 under the leadership of incoming President Engr. John Ray O. Madla.

The theme for fiscal year 2024 "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment" proves to be appropriate as we take cognizance on recent adverse changes on weather condition. As mechanical engineers, we have our shared obligation and responsibility in making this world a better place for the future of humanity.

Engr. Aldrin Alizon D. Lango FPSME, RMEE, AE
Chapter President 2019 & 2020
2018 TOME Awardee



Message from the Past Presidents



My sincere congratulations to Pres. Jose Melvin D. Santos and the 2023 Officers and BOD of PSME-WRSA Jeddah Chapter on its 20th Analcon. Once again, the Chapter has endured another year of challenge and I salute all of you for job well done.

This year's theme "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment" is very relevant. Economic stability comes after a growth. This is coupled with much needed energy to power businesses and industries. Balancing economic and industrial growth versus environmental demand to choose the best energy mix is a big challenge. In the Philippines, the media advocates renewable energy, particularly, solar. Production of PV panels and batteries has environmental challenges disposing its waste. And, at the end of its economic life, disposing them is an environmental nightmare. Further, lands for agriculture is competing with solar facilities in land use, depleting food production.

To the 2024 Officers and BOD, I look forward to a more vibrant Chapter with the incoming president John Ray O. Madla in command. As PSME-WRSA Jeddah Chapter celebrate its 30 years of dedicated service to its members, keeping this legacy is a noble act of service. Congratulations to the Chapter on its 30th year. Mabuhay ang PSME-WRSA JC. Mabuhay ang PSME.

Napoleon M. Cepriaso, PME, FPSME, ASEAN Eng.
2012 Chapter President, PSME-WRSA Jeddah Chapter
2016 Fellow Awardee
2002 & 2011 TOME Awardee

It is with great pride and honor to congratulate PSME-WRSA Jeddah Chapter's for its 20th Annual Convention.

This occasion coincides with the 30th founding anniversary of the Chapter and I take this opportunity to express my thanks to the current BOD for its leadership and perseverance in continuing the task of bringing PSME-WRSA Jeddah Chapter to become what it is today.

The difficulties and challenges that the Chapter faced and overcame over the years since its founding is a profound testament of your sincere dedication and commitment in uplifting the cause and status of Filipino Mechanical Engineers in this part of the world.

This year's convention and 30th anniversary deserves such reason for joy and celebration.

In closing, may I remind that each and every member of the Chapter has an important role to fulfill- to support and cooperate with the Chapter's program and activities this year and in the years to come.

Again, my warmest greetings and felicitations.

Rene Bernales, PME
1997 Chapter President





Message from the Past Presidents



Greetings!

Congratulations to PSME-WRSA Jeddah Chapter in its 20th annual convention!

Our convention theme is a challenge to mechanical engineers' ingenuity for the betterment of our society. Wisdom and team work are needed to sustain our economy without adverse effect to ecosystem.

I would like to honor our 2023 Board of Directors for their dedication and service. Your leadership enables our chapter to reach its 30 years of existence. I am very proud to be a part of this legacy of greatness, maintaining the high ideals of camaraderie and service to our supreme members.

To the 2023 national awardees, congratulations! Well deserved.

God bless PSME-WRSA Jeddah Chapter!

Lee I. Bonifacio, RMEE, ASEAN Engr, MACDDS
Past President, Y2021

Congratulations to the Year 2023 Board of Directors of the PSME-WRSA Jeddah Chapter from Chapter President - Engr. Jomel Santos, Board of Directors to all Active Members on its 20th Annual Convention & General Membership Meeting.

Let me commend also the PSME-WRSA Jeddah Chapter in bagging enormous awards that was received in the recent 71st PSME National Convention as Most Outstanding Chapter Category - C, Fellow Awards, TOME Awards and Leadership Awards. We are so proud of the achievement of PSME-WRSA Jeddah Chapter & General Membership.

This year's Annual Convention Theme - "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment" will be a great challenge to our beloved society and general membership. The existence of PSME-WRSA Jeddah Chapter for 30 years in the Kingdom of Saudi Arabia (KSA) continuously endorsing an approach which our organization brings



into line the mechanical engineering expertise with sustainable goal in protecting the environment - not only here in KSA but to our beloved home country. Let us embrace one goal in smearing scientific and engineering ideologies to protect our environment, to improve human life, to defend nature valuable ecosystems and to expand environmental related enrichment of human life.

Again, let me congratulate the PSME-WRSA Jeddah Chapter's thirty (30) years asset and strength in standing with accord where there are collaborations that lead to our mechanical engineering profession in protecting our environment. Long live PSME-WRSA Jeddah Chapter!

RAINIER PLAMENCO PATAWI, RMEE, ASEAN Eng.
2011 PSME-WRSA Jeddah Chapter President
PSME - TOME Year 2011
PSME - Most Outstanding Member Year 2007



Message from the Past Presidents




Congratulations to the PSME-Western Region Saudi Arabia - Jeddah Chapter on your 20th Annual Convention and General Membership Meeting!

Your theme "Working towards Economic Stability while Protecting the Environment" is a timely act with great importance to achieving progress. A progress that leads to economic stability is what our children would love to enjoy with while experiencing the attraction of the mother nature that is truly amazing. Continue working for the betterment of the generation after us.

Strive to share your know-how to the general membership, friends, and colleagues. Don't hesitate to explore things and never be afraid to fail. Your failure will lead to a success.

To the officers, board of directors and general membership, let me once again salute you for another year of feat that the chapter has done.


Jemuel Esguerra, PME
PP 2018

CONGRATULATIONS PSME-WRSA Jeddah Chapter on its **20th ANNUAL CONVENTION and General Membership Meeting!** Another year of successful accomplishments added to the achievements of the chapter.

Credit to the 2023 Board of Directors under the leadership of Engr. Jose Melvin D. Santos, Chapter President, for a job well done.

The theme, "**PSME-WRSA JC @ 30: Working Towards Economic Stability While Protecting the Environment**" is a timely mission to accomplish especially this time where mother earth is facing a challenge on climate change. Incorporating environmental safeguards in mechanical design is one way a Mechanical Engineer can help promote the above theme. With the recently concluded 71st PSME NATCON various topics were presented to sustain GREEN Environment.

MABUHAY ANG PSME-WRSA Jeddah Chapter!!!



RUBEN B. SERRANO, PME
2015 Chapter President (PSME-WRSA Jeddah Chapter)
2016 Charter President (Jeddah Western Region Chapter)
2016 - 2017 Deputy VP-Middle East (Western Region, Saudi Arabia)
2017 TOME Awardee





Message from the Past Presidents

It is my great pride and honor being a member of renowned organization in the Middle East PSME-WRSA with remarkable legacy of more than 25 years professional committed in the service to the community.

Again we have survive seemingly never ending challenge in this year but we as one organization still survive and continuously shinning in the field of services to the general membership.

As we are now approaching the Annual convention for 2023 with the theme " PSME-WRSA @30: working towards economic stability while protecting the environment " let us all mechanical engineers continue



to help our mother land to improve our economic and industrial growth of our country by sharing our ideas and expertise in our field.

To all Officers, Board of Directors, (COPP) and supreme members thank you very much for the contribution in making the annual convention a success.

Once again Congratulations to PSME-WRSA in its 20th Annual Convention. Mabuhay ang PSME-WRSA-JC and Advance Merry Christmas to all.

Again we have survived

"TO GOD BE THE GLORY"

CRISOSTOMO C. ORTIZ, PME, AE
Council of Past President
Saudi Council of Engineers
Vice President (FIMAF)



Message from the Past Presidents



Congratulations! PSME-WRSA Jeddah Chapter on your 20th Annual Convention and General Membership Meeting with a theme , "PSME WRSA JC @ 30: Working towards Economic Stability while Protecting the Environment".

Economic stability which translates to progress co-existing with environment protection is a tough balancing act and we, mechanical engineers have a critical role to play in ensuring that these two concepts worked in harmony.

To the 2023 Board of Directors led by Pres. Jose Melvin D. Santos, a job well done, under your watch, our Chapter again soars to new heights.

To the incoming 2024 Board of Directors led by Pres.-Elect John Ray O. Madla, cheers for accepting the challenge to serve our beloved Chapter, it will be an exciting times ahead as this will be our 30th year of existence to lead and to serve. Rest assured your Council of Past Presidents have your support and backing of your programs.

Mabuhay ang PSME-WRSA Jeddah Chapter!
PSME, wala nang iba!

Niño Jose A. Lopez, RMEE, ASEAN Eng.
2022 Chapter President

My warmest greetings to the Officers and members of the Philippine Society of Mechanical Engineers - Western Region Saudi Arabia, Jeddah Chapter on its 20th Annual Convention and General Membership Meeting.

The Theme "PSME-WRSA @ 30: Working towards economic stability while protecting the environment.", mechanical engineers must protect the environment by reducing the harmful gas emission and introduce transparency in our daily undertakings, thus economic stability is credible.

Let me extend my gratitude and appreciation to the 2023 Executive Officers and Board of Directors led by our unselfish



and untiring Pres. Jomel Santos, you have done your best in serving the general membership, PSME National and the community.

In the essence of unity, strength, sustainability and innovation, Mabuhay ang PSME at ang PSME-WRSA Jeddah Chapter!

Wilfredo R. Ruiz, PME, FPSME, ASEAN Eng.
2000 & 2004 Chapter President, PSME-WRSA Jeddah Chapter
2000 Most Outstanding Chapter President
2004 Most Outstanding Mechanical Engineer (TOME)
2012 & 2017 Fellow Awardee

Technical Write-Up

DESIGN, CONSTRUCTION, COMMISSIONING & START UP of a STEAM TURBINE- ELECTRIC MOTOR DRIVE AIR COMPRESSOR PACKAGE

By: Engr. Anthony C. Bugayong



Photography by: Engr. Napoleon Cepriaso

1.0 Introduction:

The presentation discusses the details relating to the engineering activities associated with the design-construction and the Commissioning and Startup of an Air Compressor Package. The Air Compressor Units that will be discussed on this subject was installed in the Jazan Refinery and Terminal, located in Jazan Economic City Saudi Arabia.

Two (2) air compressors are electric motor driven while another two (2) air compressors are steam turbine driven. Under normal operation, two steam turbine driven compressors will be in operation while One (1) motor driven compressor will be on standby for auto-start and the other motor driven compressor will be maintenance spare. As for maintenance spare compressors, two motor driven compressors are operated alternate shift considering the performance of spare compressors.

This operation philosophy is mainly designed based on economic factors that high pressure steam is readily and sufficiently available to operate the two (2) steam driven compressors. The supply steam will come from the adjacent Integrated Gasification, Combined Cycle Power Plant in Jazan Economic City whilst the Electric power to operate the standby Motor Driven Package Compressors will come from Saudi Electric Company (SEC) which is a more expensive power source compared to the steam supply from IGCC.

The Air Compressors installed within the Jazan Refinery which was manufactured by Ingersoll Rand with model type TA-11000 and with a typical discharge flow capacity of 13700 Nm³/Hr.

In designing and selecting an equipment (Air Compressor) for the compressed air system, the following factors are taken into considerations:

1. Process requirements: parameters for the desired operational specifications must be meet.
2. Fit for Purpose: the product output or work output of the designed equipment will serve what is required for the refinery.
3. Constructability: certain package equipment is either pre-assembled at manufacturers assembly shop or can be assembled on site. Depending on the conditions and planning considerations, either of both methods can be considered.
4. Economic Consideration: part of the management consideration will be the cost of the equipment to be procured. Technical Bid Evaluation will play a big part on this aspect as it will have a comparative evaluation on bidding vendors regarding their capability, pricing and after service commitment/capability.

Detail Engineering Stage (Design Stage):

Process Requirement:

As mentioned, process requirement of the refinery must be established in order to determine the capacity required for the Air Compressor System which for this case is:

- "Atmospheric air to be compressed at approximately 9.6 barg (at normal condition) pressure, adequate to meet the supply pressure requirement of Instrument air and Utility air.
- Achieve dew point (-15°C at operating pressure) and quality (oil free, entrained particle size < 3 micron) requirement of the Instrument air.



Technical Write-Up

- provide a minimum of 15 minutes of instrument air to ensure adequate instrument air is available when standby compressor is started manually in the event of failure of automatic start.

Design Standards:

For large-scale projects, project requirement and standards are established prior to detail engineering design of each equipment. Company/Owner Standards or International Standards are reference with to be the guidelines on how to design the particular equipment wherein for the Air Compressor Package, it was established that API 672 (Packaged integrally Geared Centrifugal Compressors) will be used as the design basis and the construction execution will be as per API 686 Recommended Practice (Machinery Installation and Installation Design).

Technical Bid Evaluation and Analysis:

This process involves the selection of the vendor/manufacturer that is deemed to meet the expectations as set by the project requirements. This will also involve cost evaluation and vendor after sales service capability. Through comparative analysis on each pre-selected bidders, a vendor for the Air Compressor Package is Selected (Ingersoll Rand).

Sample of a Technical Evaluation Form below is the actual responses of each bidding vendors for their compliance response wherein some raised exceptions or deviations for criteria's that they cannot comply with thus raising alternative proposals if required.

Upon Vendor selection, the generated equipment data sheet will be filled up by the design team in coordination with the manufacturers engineering team.

TECHNICAL BID EVALUATION					
Client Name: Project Name: JAZAN REFINERY & TERMINAL PROJECT HPT Job No: OOK 8H20911		AIR COMPRESSOR PACKAGE		ADC Document No: JJXX-349-31-V002-D MR No: R-2155-005 Document No: Q-2155-007	
				Review Rev No: 04H	
DESCRIPTION	VENDOR 1 (RVL ID8000000)	VENDOR 2 (RVL ID8000000)	VENDOR 3 (RVL ID8000000)	VENDOR 4 (RVL ID8000000)	REMARKS
1 General					
1.1 Aramco Regulated Vendor	Comply	Comply	Comply	Comply	
1.2 Experience of same type & Application	Comply	Comply	Comply	No	VENDOR 4 has no experience
1.3 Clarification to API Standards	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	
1.4 Clarification to Inquiry Specifications	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	
1.5 Clarification to Aramco Standards	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	Comply (with deviation)	
2 Scope of Supply					
2.1 Equipment	Comply	Comply	Comply	Comply	
2.2 Spare Parts					
1) Air Compressor					
a) Commissioning and Start up Spare Parts	Comply	Comply	Comply	Comply	
b) Two Years Operational Spare Parts	Later	Later	Later	Later	
c) Mandatory Capital Spare Parts (Compressor rotor, gear set with coupling)	Comply	Comply	Comply	Comply	
2) Driver (Motor & Steam Turbine)					
a) Commissioning and Start up Spare Parts	Comply	Comply	Comply	Comply	
b) Two Years Operational Spare Parts	Later	Later	Later	Later	
c) Mandatory Capital Spare Parts	Comply	Comply	Comply	Comply	
2.3 Non Material Requirement	Comply	Comply	Comply	Comply	
3 Engineering					
3.1 Datasheet	Comply	Comply	Comply	Comply	as per Vendor's format
3.2 Specification					
1) Volume Flow (Rated) : 13,700 Nm ³ /h	Comply	Comply	Comply	Comply	
2) Comp. Discharge Press. (Rated) at BL : 11.46 bara	Comply	Comply	Comply	Comply	
3) Comp. Discharge Temp. : Max. 50°C at aftercooler outlet	45 °C	Max. 50 °C	45.4 °C	47 °C	
4) No. of Impellers	3	3	4	3	
5) Material					
a) Air Compressor					
Reviewing Eng. Initials Date Checked Initials Date App - Lead Eng. Initials Date				Project Manager Initials Date Client Initials Date	
G.W. 09-Dec-14 H.K. 09-Dec-14 H.T. 09-Dec-14				N.H. 09-Dec-14 af 3	

Technical Write-Up

Below sample is the portion of the generated datasheet for the Package Air Compressor as designed:

Packaged Integally Geared Centrifugal API-672 4th Edition Data Sheets SI UNITS (bar)				REVI APPR	JOB NO.	ITEM NO.
1 APPLICABLE TO: <input type="radio"/> PROPOSAL <input checked="" type="radio"/> PURCHASE <input type="radio"/> AS BUILT				PAGE	1	OF 13
2 FOR: Refinery and Terminal Projects Department				REQD NO.	One (1)	
3 SITE: Utilities Distribution Package				UNIT		
4 SERVICE: Utilities Distribution Package				NO. REQUIRED		
5 <input checked="" type="radio"/> CONTINUOUS <input type="radio"/> INTERMITTENT <input type="radio"/> STANDBY (3.30)				DRIVER ITEM NO.		
6 NOTE: INFORMATION TO BE COMPLETED: <input type="radio"/> BY PURCHASER <input type="radio"/> BY MANUFACTURER <input checked="" type="radio"/> BY PURCHASER OR MFR				SPARED BY:		
GENERAL						
8 COMPRESSOR MFR: Ingersoll Rand		MODEL (SIZE AND TYPE): TA-11000		SERIAL NO.: CB-19046, 47		
9 DRIVER MFR: Siemens		DRIVER TYPE: Electric Drive		RATED (kW): 2109 RPM: 3600		
10 DRIVE SYSTEM: <input checked="" type="radio"/> DIRECT COUPLED <input type="radio"/> OTHER				DUTY (1.2) <input checked="" type="radio"/> BASIC <input type="radio"/> SPECIAL		
OPERATING CONDITIONS (5.1.9)				CONTROL SYSTEM (7.4.2)		
(ALL DATA ON PER UNIT BASIS)				CONTROL METHOD: (7.4.2.1)		
	RATED (3.24)	LOW AMB * (7.10.1)	MIN -AMB	<input checked="" type="radio"/> CAPACITY MODULATION (CONST DISCH PRESS) (7.4.2.1 a) <input type="radio"/> INLET THROTTLE DEVICE <input type="radio"/> DAMPER <input type="radio"/> GLOBE VALVE <input type="radio"/> BUTTERFLY VALVE <input checked="" type="radio"/> VARIABLE INLET GUIDE VANES <input type="radio"/> AUTOMATIC DUAL CONTROL (7.4.2.1 b) <input type="radio"/> (bar(TO) (bar(G) DISCH PRESS <input type="radio"/> AUTO START AND STOP (7.4.2.1 c) <input type="radio"/> START (bar(G) STOP (bar(G) <input type="radio"/> OTHER (DESCRIBE)		
15 <input checked="" type="radio"/> DELIVERED FLOW NM ³ /H (1.013 barA & 0°C DRY)	13700					
16 <input type="radio"/> WEIGHT FLOW, (kg/h) (WET) (DRY)						
17 <input checked="" type="radio"/> INLET COOLING WATER TEMP, (°C)	37					
INLET CONDITIONS:						
20 <input checked="" type="radio"/> PRESSURE (barA)	0.99					
21 <input checked="" type="radio"/> TEMPERATURE (°C)	48					
22 <input checked="" type="radio"/> RELATIVE HUMIDITY %	100					
23 <input checked="" type="radio"/> MOLECULAR WEIGHT (M)	27.76					
24 <input type="radio"/> INLET VOLUME, (m ³ /h) (WET / DRY)						
DISCHARGE CONDITIONS:						
27 <input checked="" type="radio"/> PRESSURE (barA)	11.6					
28 <input checked="" type="radio"/> TEMPERATURE (°C)	50					
PERFORMANCE:						
31 <input checked="" type="radio"/> MAX (kW) REQUIRED (ALL LOSSES INCL)	1955					
32 <input checked="" type="radio"/> (kW/100 m ³ /h) AIR DELIVERED	6.2					
33 <input checked="" type="radio"/> INPUT SPEED (rpm)	3600					
34 <input type="radio"/> ESTIMATED SURGE, (m ³ /h) (@ ABOVE SPEED)						
35 <input type="radio"/> MAX DP ACROSS INLET FILTER (bar)	0.746					
36 <input type="radio"/> DP INCLUDED IN CALCULATION <input type="checkbox"/> YES <input type="checkbox"/> NO						
37 <input checked="" type="radio"/> AFTERCOOLER OUTLET TEMP, (°C)	50					
38 <input type="radio"/> PERFORMANCE CURVE NO.						
39 <input checked="" type="radio"/> % RISE TO SURGE (5.1.12.2)	13.6					
40 <input type="radio"/>						
41 <input type="radio"/>						

The finalized Air Compressor Package Main Specifications are as follows:

Equipment Name	Driver Type	Rated Power (kW)	Discharge Flow Nm ³ /Hr	Duty
J49-U-0001A	Electric Motor Drive	2109 kW	13700 Nm ³ /Hr	Normal Operation
J49-U-0001B	Electric Motor Drive	2109 kW	13700 Nm ³ /Hr	Normal Operation
J49-U-0001C	Steam Turbine Drive	2109 kW	13700 Nm ³ /Hr	Operational Stand By
J49-U-0001D	Steam Turbine Drive	2109 kW	13700 Nm ³ /Hr	Shutdown Stand By

NOTE:

Compressors are rated at 3600 RPM both for Electric Motor and Steam Turbine Driver. However, the steam Turbine driven Compressor is equipped with a gear box speed reducer to meet the required speed of 3600 rpm as the turbine drive speed is rated at 8400 RPM.



Technical Write-Up

SITE EXECUTION:

Material Receiving:

Procured equipment will be delivered on site and must be inspected as per the "Inspection and Test Plan (ITP)" requirement. Manufacturing Non-Conformity (NCR) must be already closed and any transportation and logistic damages evident must be reported and rectified.

Storage and Preservation:

Large Equipment such as the Air compressors are not immediately Installed on site as this requires proper planning and execution such as lifting plans and interdisciplinary work coordination, therefore a proper storage and preservation must be conducted wherein preservation oil, grease and chemicals are employed. Dry Air or Nitrogen Purging is filled on vacuum spaces such as piping and lube oil tanks.

Installation

Firstly, a proper foundation designed to accommodate the operating weight and properties of the Air Compressor is a particularly important aspect of the whole package.

Lifting plan and safety execution plan must prepared and executed accordingly. Appropriate lifting equipment rated for the job are utilized with safety personnel approval.

A Job Safety Analysis (JSA) must be prepared and approved for each sequence of construction execution.

Main Sequence of Air Compressor Installations are As Follows:

1. Centering of the equipment: Coordinates must be followed in order to establish the correct level and location of tie points such as piping connections.
2. Levelling: The Baseplate/Frame of the Air Compressor will be leveled with the foundation plates and anchor bolts will be located and centered on each corresponding anchor boxes. Grouting of anchor boxes will follow whenever the Air Compressor is set on its center and level.
3. Bump test/ Motor Solo Run: To check that the motor rotates as per directional requirement and determine by functional testing that all components and devices operates, functions, and perform in accordance with approved design documents.
4. Driver Alignment: this will involve intricate and

delicate measurement of alignment of the driver's coupling to the compressors. API 686 will serve as a guideline for this complete process.

5. Interface Connections: Process and Utility Piping tie in connection will follow. In parallel, all electrical and instrumentation connections are also connected.

6. Oil Flushing and Oil Filling. Oil Flushing involves the filtering and removal of entrained solid particles in the lubrication system of the Air Compressor. This is to avoid any potential damages on the gear boxes that may be caused by residual solids particles if not removed.

(For the Air Compressor Packaged, the Manufacturer specifies that the passing criteria for the lube oil cleanliness will be as per National Aerospace Standard (NAS# 6) 1638 and the oil to be used will be with a viscosity grade of ISO VG 46.)

COMMISSIONING AND START UP (CSU)

In this stage of the project, the Air Compressor will undergo the Commissioning phase wherein the Compressor will be tested and operated, and necessary checklist will be reviewed for a safe and reliable start up.

- Checks for piping connection will be conducted. Final alignment and tightening of pipes must be ensured.
 - Valve operational position check to be ensured wherein normally close and normally open valves are on their correct settings.
 - Instruments and gauges are calibrated with valid certificates.
 - Continuity check for instrument wiring provide the correct signals without errors from the field to the control room.
 - Vibration Monitoring System and Machine Protection System are all set to provide an accurate reading with regards to the machine safe operating parameters.
 - Alarm and trip signals are tested and working.
 - Main Power source for electric Motor Drive Compressors is terminated.
 - Steam line and steam is readily available for the Steam Turbine drive Compressor.
 - LOCK-OUT-TAG-OUT is set in place.
- The Air Compressor Package will be operated and

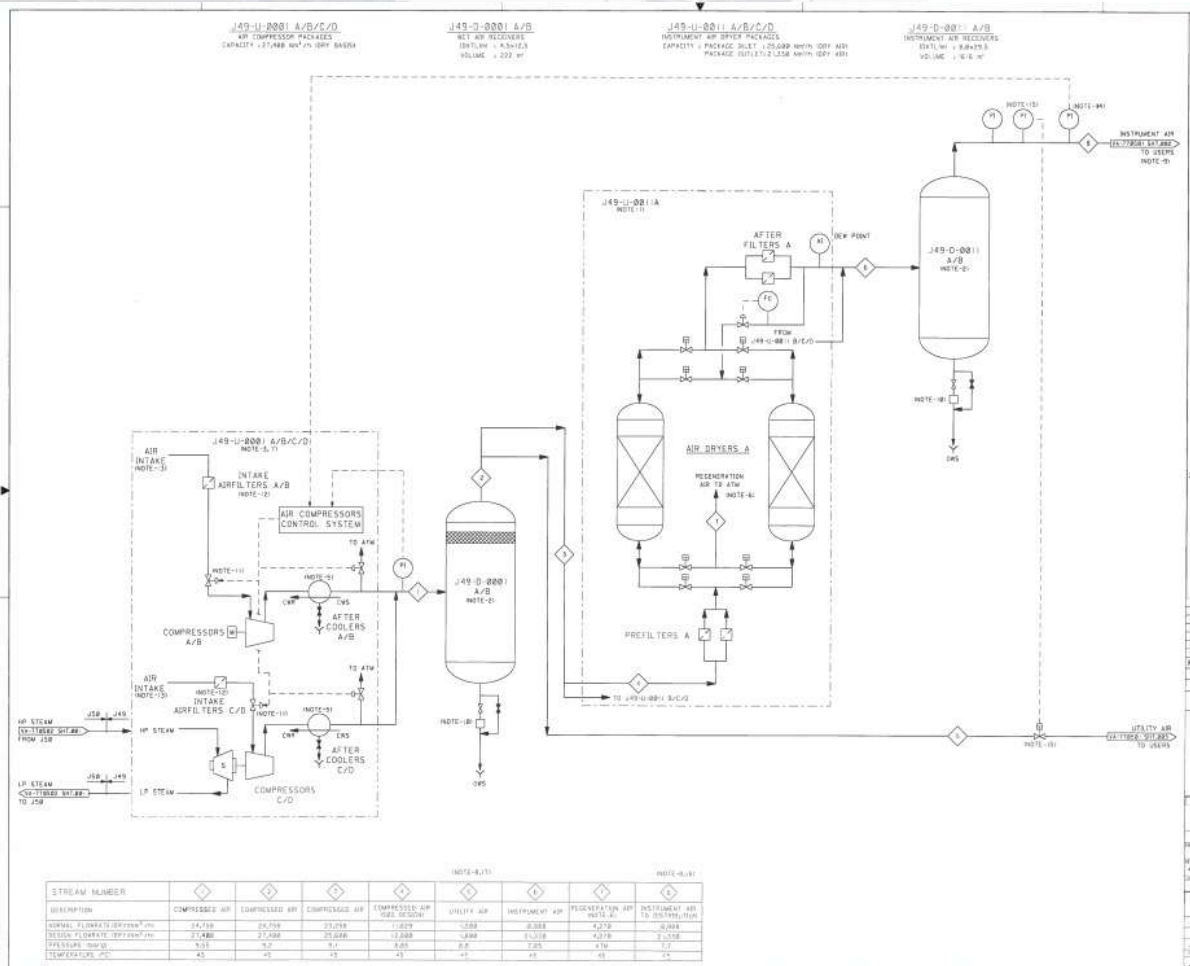
Technical Write-Up

monitored for 72hrs straight without interruption unless cause by an emergency shutdown. Sequentially start up of the Air Compressor Package will commence wherein the whole compressed air system will be integrated and operated as a single system.

OVERVIEW OF COMPRESSED AIR SYSTEM OPERATION:

- Compressed air is generated in the air compressor package, which compresses atmospheric air to approximately 9.6 barg.
- Wet air from air compressor package is routed to Wet Air Receivers sized to knock out any entrained liquid at low ambient conditions.
- Wet compressed air from the wet air receivers is dried in the Instrument Air Dryer package to achieve dew point (-15°C at operating pressure) and quality (oil free, particle size < 3 micron) requirement of the Instrument air.
- Dried air from the dryer package is routed to Instrument Air Receivers provided to dampen the system fluctuation and to provide buffer in the event of shutdown of duty compressor and manually startup of the standby compressor. The receivers are sized to provide a minimum of 15 minutes of instrument air to ensure adequate instrument air is available when standby compressor is started manually in the event of failure of automatic start. Dry air from Instrument air receivers is distributed to refinery units via two parallel instrument air headers; each sized for 100% flow and provided to ensure redundant supply to refinery units.

PROCESS FLOW DIAGRAM OF THE COMPRESSED AIR SYSTEM:





Council of Past Presidents



NINO JOSE A. LOPEZ
RMEE, AE



LEE I. BONIFACIO
RMEE, AE, MACDDS



ALDRIN ALIZON D. LANGO
RMEE, AE



NOEL S. BITERA
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JEMUEL B. ESGUERRA
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ELMER B. QUANICO
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JAIME L. LEVISTE
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JOSELITO L. BENTULAN
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PME



FROILAN G. MIRO
PME



JOSELITO A. ARELLANO
PME



WILFREDO C. LEONCIO
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ERNESTO C. CALA
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FILEMON E. AGULO
PME



DANILO V. GERCIO
PME



RENE C. BERNALDES
PME



RENE Y. LOGARITA
RMEE



RUBEN M. PARPAN
RMEE

Mission Statement

Maintain the integrity of the Mechanical Engineering profession.

Promote excellence in the practice of profession.
Develop among members high ideals of competence, ethical conduct, integrity and civic consciousness.

Contribute to the enhancement of Science and Technology.

Foster cordial, harmonious, and promote fellowship and cooperation among Mechanical Engineers globally.

PSME-WRSA JC
CHARTER PRESIDENT



NILDO K. TAN JR.
FPSME, PME

PSME-JWR
CHARTER PRESIDENT



RUBEN B. SERRANO
PME



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RMEE, ASEAN ENG.
CHAPTER PRESIDENT



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RMEE, ASEAN ENG.
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RMEE, ASEAN ENG.
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GILBERT V. ESPIRITU
RMEE
**INFORMATION
TECHNOLOGY**



NORIEL J. NOLLORA
RMEE
CODE OF ETHICS



EWVIN D. JARADAL
RMEE
PLANT TOURS



MARK HAROLD A. RAMIREZ
RMEE
SPORTS



NIÑO JOSE A. LOPEZ
RMEE, ASEAN ENG.
**IMMEDIATE PAST
PRESIDENT**





Working Committees



Engr. Jose Melvin D. Santos
Chapter President

Engr. John Ray O. Madla
Executive Vice President
Convention Chairman

Engr. Orlan C. Moriones
Vice President Internal Affairs
Convention Vice Chairman

Engr. Oliver O. Salazar
Deputy Chairman
Finance

Engr. Gilbert V. Espiritu
Deputy Chairman
Publication

Engr. Dexter Jhones H. Andya
Chapter Secretary
Convention Secretary

Engr. Gilbert V. Espiritu
Engr. Sherwin D. Francisco
Committee on Advertising

Engr. John Ray O. Madla
Committee on Souvenir
Programme

Engr. Jobert M. De La Rosa
Engr. Oliver O. Salazar
Committee on Attendance &
Registration

Engr. Julius M. Cañeca
IPP Engr. Niño Jose A. Lopez
Committee on Sponsorship

Engr. Napoleon M. Castañeda
Engr. Anthony C. Bugayong
Committee on Technical
Presentation

Engr. Sherwin D. Francisco
Engr. Badroden A. Balindong
Committee on Venue

Engr. Mark Harold A. Ramirez
Engr. Orlan C. Moriones
Committee on Raffle

Engr. Jose Melvin D. Santos
Engr. Noriel J. Nollora
Committee on Awards and
Recognition

Engr. Evwin D. Jaradal
Engr. Mark Joseph A. Madolid
Committee on Physical
Arrangement

PP Engr. Napoleon M. Cepriaso
PP Engr. Aldrin Alizon D. Lango
Committee on Photo and Video

Engr. Julius M. Cañeca
Engr. Orlan C. Moriones
Committee on Entertainment
and Fellowship



PSME National Awardees Hall of Fame



THE OUTSTANDING MECHANICAL ENGINEER



Members Awards

Year 2023
Jose Melvin D. Santos,
RMEE, AE
Leadership
Design

Year 2023
Orlan C. Moriones,
RMEE, AE
Leadership
Manufacturing

Year 2012
Napoleon M. Cepriaso, PME
Most Outstanding
Chapter President Int'l

Year 2012
Lee I. Bonifacio, RMEE
Most Outstanding
Chapter Secretary

Year 2012
Jemuel B. Esguerra, PME
Most Outstanding
Committee Chairman

Year 2011
Rainier P. Patawi, RMEE
Most Outstanding Chapter
President Int'l

Year 2010
Jeffrey C. Esperanza, RMEE
Most Outstanding
Committee Chairman

Year 2007
Joselito A. Arellano, PME
Most Outstanding
Chapter President

Year 2007
Rainier P. Patawi, RMEE
Most Outstanding
Member

Year 2004
Jose Ma. Emmanuel B.
Acebuague, PME
Most Outstanding Member

Year 2002
Ricardo V. Romero, PME
Most Outstanding
Committee Chairman

Year 2000
Wilfredo R. Ruiz, PME
Most Outstanding
Chapter President

Year 2000
Edwin M. Evasco, PME
Most Outstanding
Member

Year 2000
Pedro D. Entico, PME
Most Outstanding
Committee Chairman



2023 Chapter Awardees

Presidential Award of Excellence

Jose Melvin D. Santos, RMEE, AE

Chapter President
Treasurer, PPO-WRSA
SPLE Review Instructor
Co-Chairman, 14th MERC

John Ray O. Madla, RMEE, AE

Executive Vice President
Board of Director, PPO-WRSA
SPLE Review Instructor
Graphic Artist Annual Souvenir
Programme
Chairman, 20th Annual Convention

Leonard P. Meriales, RMEE, AE

Vice President External Affairs
Managing Editor JPM Quarterly
Newsletter
Chairman, 2nd GMM

Orlan C. Moriones, RMEE, AE

Vice President Internal Affairs
Chairman, Mid Year Convention
Officer in Charge, MIDO Affairs

Dexter Jhones H. Andaya, RMEE

Chapter Secretary
Events Moderator
Safekeeping of Chapter Files

Oliver O. Salazar, RMEE, AE

Chapter Treasurer
Chairman, Committee on Finance
Safekeeping of Chapter Funds

Jobert M. De La Rosa, RMEE

Membership Director
Updating of Membership Database

Julius M. Cañeca, RMEE

Professional Enhancement Director
Board of Director, PPO-WRSA
SPLE Review Sessions Organizer

Gilbert V. Espiritu, RMEE

IT Director
Editor-in-Chief, JPM Quarterly Newsletter

Mark Harold A. Ramirez, RMEE

Sports Director
Chairman, Games & Entertainment

Napoleon M. Cepriaso, PME, AE, FPSME

Chapter Adviser
PME Mentorship Program
Photo Coverage of Chapter Events

Aldrin Alizon D. Lango, RMEE, AE, FPSME

Chapter Adviser
Facilitating of SPLE Review Video
Coverage
Events Zoom Moderator
COMELEC Member

Niño Jose A. Lopez, RMEE, AE

Immediate Past President
Board of Director, PPO-WRSA
COMELEC Member

Crisostomo C. Ortiz, PME, AE

Chapter Adviser
PME Mentorship Program

Lee I. Bonifacio, RMEE, AE, MACDDS

Chapter Adviser
COMELEC Chairman

Distinguished Service Award

Donald B. Makalintal, RMEE

Chapter Auditor

Napoleon M. Castañeda, RMEE, AE, RMP

Technical Affairs Director

Sherwin D. Francisco, RMEE

Press Relations Officer

Noriel J. Nollora, RMEE, AE

Code of Ethics Director

Evwin D. Jaradal, RMEE

Plant Tours Director

71st NatCon TOME Awardees

Niño Jose A. Lopez, RMEE, AE

Category Design

Lee I. Bonifacio, RMEE, AE, MACDDS

Category Manufacturing

71st NatCon Fellow Awardee

Aldrin Alizon D. Lango, RMEE, AE, FPSME

Honorary Service Award

Wilfredo R. Ruiz

Past President 2000 & 2004

Fellow 2012 & 2017

TOME 2003

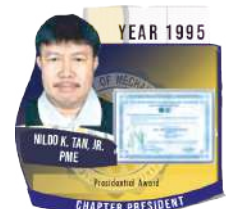
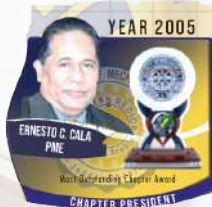
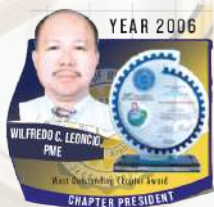
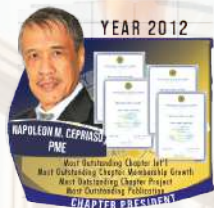
Roseller A. Junsay, Jr.

BOD 2016-2021

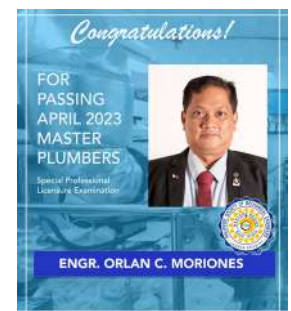
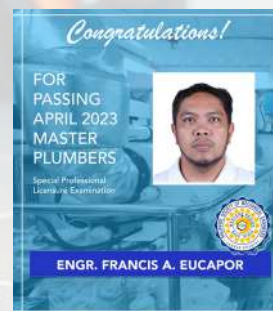
TOME 2022



Chapter's Awards and Members Achievements



2023 SPLE Passers - Master Plumbers





19th Annual Convention



With a lot of meetings, planning, and preparations, the PSME Western Region Saudi Arabia Jeddah Chapter "19th Annual Convention & General Membership Meeting" was held last December 9, 2022, at Jiwar Diamond Hotel in Jeddah, Saudi Arabia.

The one-day event was full of activities. We had two technical presenters on that day, who discussed correlated to their workplace. Our PSME WRSA JC chapter president Eng. Nino Jose A. Lopez presented the "Design & Application of Nitrogen Generator" which is presently in use in their manufacturing plant. While Engr. John Ray O. Madla presented the "Modular Laboratory, Design of Enhanced Containment Facility" who specializes in HVAC & Air-conditioning in a health care facility. This topic was then applied during the time of the pandemic.

We had a special guest online in the presence of Engr. Melanie P. Banayos, our 2022 PSME National President, who always inspire the PSME WRSA JC BODs and members. I admire her dedication, fashion, and determination in serving the PSME. In the other hand, Engr. Dominador V. Poquis, PPO WRSA president (2022) gave an inspirational speech.

Our guest of honor during our 19th Annual Convention was no other than our Honorable Jeremiah P. Attento "Vice Consul" of the Philippine Consulate General in Jeddah. In addition, he charged the new sets of PSME WRSA JC 2023 officers during the event.

By: Engr. Gilbert V. Espiritu, RMEE
PSME WRSA JC
Information & Technology Director 2023



PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS

Western Region Saudi Arabia Jeddah Chapter



Life Members



ALDRIN ALIZON D. LANGO
ME L-0000111



AMOS JOEL A. ACOSTA
ME L-0000591



LIZA L. ACOSTA
ME L-0000592



BADRODEN A. BALINDONG
ME L-0000593



ROEL ALFON G. BANAWIS
ME L-0000594



JOSELITO L. BENTULAN
ME L-0000595



NAPOLEON M. CEPRIASO
ME L-0000596



JOBERT M. DE LA ROSA
ME L-0000597



ORLANDO O. DIGMA
ME L-0000598



JEMUEL B. ESGUERRA
ME L-0000599



BLIVEN U. GARCIA
ME L-0000600



JULIUS Q. GARCIA
ME L-0000601



GREG A. GULMATICO
ME L-0000603



ROSELLER A. JUNSAY JR.
ME L-0000604



DEXTER R. LACSON
ME L-0000605



FERNANDO C. LIAO
ME L-0000607



RODRIGO C. LOFAMIA
ME L-0000608



MARIO ERNESTO A. LUNA
ME L-0000609



JASON V. MACASAET
ME L-0000610



REY ANTHONY D. MEJIA
ME L-0000611



MILLER F. NARVAS
ME L-0000612



CRISOSTOMO C. ORTIZ
ME L-0000613



RAINIER P. PATAWI
ME L-0000614



WILFREDO R. RUIZ
ME L-0000616



JOEL A. SANTOS
ME L-0000617



RUBEN B. SERRANO
ME L-0000618



PAULO T. TARUC
ME L-0000619



MAURICIO T. VIADO
ME L-0000620



AHMED L. SELIM
ME L-0000621



JULIUS CEISAR P. CASTAÑO
ME L-0000906



ANTONIO M. DESABILLE JR
ME L-0000907



JEFFREY C. ESPERANZA
ME L-0000908



NOEL L. FERNANDEZ
ME L-0000909



DANIEL C. MENDOZA
ME L-0000910



LEONILO T. LUCENA
ME L-0000964



DIOSCORO T. TIMTIMAN
ME L-0002158



EWVIN D. JARADAL
ME L-0002992



Regular Members



GERRY E. ABELLANA
ME R-0000340



DEXTER JHONES H. ANDAYA



WILFREDO ALINGOD JR.



JOHN WESLEY R. ANG



MARIA MAY M. ATOLE
ME R-0000290



ADRIAN ZEUS R. BITUIN



ANTONIO JR. M. BERNARDO
ME R-0003233



LEE I. BONIFACIO
ME R-0000341



MELCHOR B. CAMPO
ME R-0003234



ANTHONY C. BUGAYONG



JULIUS M. CAÑECA
ME R-0000291



NAPOLEON M. CASTAÑEDA
ME R-0000292



EDYNIL G. CELO
ME R-0000342



LOIS DARREN P. DACIT



WILLYN D. ESPINO
ME R-0000294



GILBERT V. ESPIRITU



FRANCIS A. EUCAPOR



SHERWIN D. FRANCISCO



RAFFY A. GANGE
ME R-0000343



RONALD G. GULTIANO
ME R-0000344



ARNEL L. LINGO



NIÑO JOSE A. LOPEZ
ME R-0000345



JOHN RAY O. MADLA
ME R-0000346



MARK JOSPEH A. MADOLID



DONALD B. MAKALINTAL
ME R-0000295



CLARISSA C. MANALO



LEONARD P. MERIALES
ME R-0000347



ORLAN C. MORIONES
ME R-0000296



NORIEL J. NOLLORA
ME R-0000297



MARLOU P. PAGLINAWAN



RYAN T. PAGUIGAN



JERU D. PENACHOS



MARK HAROLD A. RAMIREZ



OLIVER O. SALAZAR
ME R-0000298



JOSE MELVIN D. SANTOS
ME R-0003232



JOHN-JOHN P. SOLAM

Associate Members



CORNELIO L. BAGUAN
A-0000214



JULIAN JR. A. GRANADA
A-0000215



EDGAR B. MADRIAGA
A-0000216



RAMIL B. DE MAYO



JOEL S. MELOR



MARK ANGELO T. PUYAWAN



ANTONIO ELMER L. QUINTILLA
A-0000218



JOY A. TAON



President's Annual Report

Greetings Everyone!

I am now presenting to you my Annual Report.

This year 2023 is indeed a year of Achievements for the Chapter. We only have a few more weeks until this episode comes to an end with a bang! And to give you a brief of what have we accomplished, here are the highlights:

We started the year with our Kick-Off Meeting on January 7. The Board of Directors met in our Headquarters. First Part of the meeting was the Official Turnover of office from the 2022 to the 2023 Executive Officers and Directors. In the second half of the meeting, I presented to the Board the Annual Plan of Activities for the year 2023. These target activities included sponsored Technical Seminars, Plant Tours, Sport Activities, SPLE Reviews and Examinations, Newsletter Publications, Chapter Conventions, and many others.

On January 14, we launched our SPLE 2023 Review Sessions for RMEE & RMP. Every Friday morning, we conducted Hybrid Lecture on Machine Design, Power & Industrial Plant Engineering, Mathematics, Plumbing Code, and Sanitation Design & Installation. And every Saturday night we presented objective type review about the Elements. Video recordings of the lectures & presentations were also shared to the reviewees. There were 4 Aspirants for RMEE & 11 Aspirants for RMP. The Lecturers & Facilitators were EVP John Ray for Mathematics & Power Plant; I handled the Machine Design topics; TAD Napoleon M. Castañeda taught the Plumbing Code & Sanitation Design; PED Julius M. Cañeca took care of the paper works and documentary requirements of the Aspirants; and PP Aldrin Alizon D. Lango made sure that our activities were properly presented and recorded via zoom. The Review Sessions continued until all the topics were discussed and just before the SPLE week on April 18-24.

Our 1st Technical Seminar and Product Presentation was sponsored by LG Electronics. It was held in Jiwara Diamond Hotel, Jeddah on February 24. Mr. Myassar Safwan Baroudi introduced "LG Air Conditioning & Multi-V System" and PP Aldrin Alizon Lango presented the "Basic Parliamentary Procedure". An Inspirational message was also delivered by our Keynote Speaker and 2023 PSME National President Loreto G Catalan.

On March 17, Sports Director Mark Harold Ramirez led the "Let's Play Ball" event in Fawaz Basketball Gym, Al Jaweed District Jeddah Saudi Arabia. The event featured the 5 vs 5 fun games between Team Mark Harold with the SAMCO-Juffali and Team Julius with the Saudi Airlines Catering.

On March 31, Editor-in-Chief Gilbert Espiritu and the JPM Newsletter Team released the first issue, Volume 18 of the Jeddah Prime Movers Newsletter. This is the official quarterly Newsletter of the PSME-WRSA Jeddah Chapter. It aimed to inform its readers, especially the General Membership, of the latest happening within the organization. Up to this time, the JPM Newsletter has released 3 issues of Volume 18.

On June 2, Plant Tour Director Ewvin D. Jaradal led us to our first Plant Tour at the Saudi Laundry Services in King Abdullah Economic City, Rabigh. The Plant location was about 120km from our chapter Headquarters where we met up. Our technical resource speakers from SLS were Engr. Mark Roan and Engr. Sven Eric Van. A short lecture was conducted before we headed into the facilities in 2 groups for proper briefing. We returned to the lecture hall for the Q&A and awarding of Certificates of Recognition to our hosts.

On June 23, we organized a "Thanksgiving and Get Together" at a Private Villa in Usfan. It was a great time to relax to get our well-deserved rest and enjoyment after a fruitful 1st half of chapter activities and to celebrate our successful SPLE Review Sessions, SPLE Examinations, and Board Results. The gathering was also attended also by the Board of Directors, Past Presidents, and other members.

On July 21, Chairman of the 2023 Mid-Year Convention, VPI Orlan Moriones led the Convention and 1st GMM held in Jiwara Diamond Hotel. The MYCGMM was sponsored by REZA Investment. The Mid-Year Convention also had 2 Technical Seminars credited with 3CPD Points. Engr. John John Solam presented the "Design of Air Seal Ring in the Stuffing Box" and Engr. Greg Gulmatico presented the "5S Team Training". Mr Azam Khan, a Business Development Manager of REZA, presented their Outdoor and Indoor Cleaning equipment. PSME National Secretary Engr. Siegfried Sia was our Keynote Speaker and PSME VP for Middle East Engr. Shayed Mamayog was our Inspirational Speaker. Both delivered their messages via Virtual. PPO-WRSA Vice President, Mr. Willie Araza, CPA, was the Guest of Honor.

On August 25, PED Julius M. Cañeca organized a seminar on "How to Become a PME". Past Presidents Napoleon M. Cepiaso and Crisostomo C. Ortiz were the Resource Speakers. The seminar was held in the



President's Annual Report

PSME-WRSA Headquarter. There were 8 Aspirants who attended the seminar in preparation for the upcoming PME Interviews in UAE, Dubai. PP Napoleon Cepriaso acted as the Primary Mentor of the Aspirants. As of this writing, a total of 4 aspirants are already scheduled for 1st & 2nd Interviews.

On September 8, Chairman of the 2nd GMM Leonard P. Meriales led the 2nd GMM & Election of 2024 BODs at Jiwar Diamond Hotel, Jeddah. The first half of the event featured the Keynote Speech of PSME VP for PME Affairs, Engr. Jose Florencio I. Losa via virtual and the Technical Seminar on "Boiler & Vessel Design" presented by PP Crisostomo C. Ortiz. The second part was the GMM & Election of 2024 BODs. PPO-WRSA President, Engr. Bernardo Allayban, delivered his Inspirational Message before the attendees. And then COMELEC Chairman Lee I. Bonifacio and its members, PP Aldrin Alizon D. Lango and IPP Niño Jose A. Lopez commenced the election. A total of 15 Board of Directors were elected by the General Membership. Then later after the event, COMELEC witnessed the 15 BODs in their Election for the Executive Officers & Directors. Engr. John Ray O. Madla was elected as Chapter President for 2024. While the rest of the officers & directors are as follows: EVP – Jobert M. De La Rosa; VPI – Orlan C. Moriones; VPE – Noriel J. Nollora; Secretary – Dexter Jhones H. Andaya; Treasurer – Leonard P. Meriales; Auditor – Oliver O. Salazar; PRO – Mark Harold A. Ramirez; Membership – Mark Joseph A. Badolid; Technical Affairs – Badroden A. Balindong; Professional Enhancement – Anthony C. Bugayong; Sport Director – Gilbert V. Espiritu; Code of Ethic – Julius M. Cañeca; Information Technology – John John P. Solam; and Plant Tours – Ewvin D. Jaradal.

On October 12-14, I personally attended the 71st National Convention at the SMX Convention Center in Pasay. I met the National Officers – Board of Trustees incumbent and former. I was also able to meet and greet with our Chapter's Past Presidents & BODs, PP Ruben B. Serrano, PP Wilfredo R. Ruiz, Engr. Roseller A. Junsay, Engr. Lorenzo Gaviola, Engr. Gene Selades, Engr. Rizalino Nobleza, and many others who may have been our members in the past. The energy in the venue was really overwhelming especially when I marched holding our banner towards the stage. And on the night of Oct 13, I attended the Awards & Recognition where the Chapter received the following accomplishments: Fellow Award – PP Aldrin Alizon D. Lango; TOME Awards – PP Lee I. Bonifacio & IPP Niño Jose A. Lopez; Leadership Awards – VPI Orlan C. Moriones and President Jose Melvin D. Santos; and the Most Outstanding Chapter Award – Category C. The Chapter sincerely would like to thank the PSME National and its Awards committee for these recognitions.

Our Chapter is not just active in participating in PSME's National activities. We are also part of the 13 organizations forming the Philippine Professional Organization – Western Region Saudi Arabia (PPO-WRSA). I am serving as the Treasurer and we also have our BOD representatives: EVP John Ray O. Madla, PED Julius M. Cañeca, and IPP Niño Jose A. Lopez. The main objective of the PPO-WRSA is to facilitate our OFW in securing their Professional Licenses thru the Special Professional Licensure Examinations (SPLE). We actively participated during the SPLE week in assisting the PRC Delegates in getting the Examination Venue and during the registration and actual examinations of 879 examinees on April 18-25. Just recently the PPO-WRSA had its Coastal Clean-Up Drive led by IPP Niño as Chairman of the Coastal Clean Up in Buhairat Open Beach. The chapter also attended the Bowling Tournament in Jeddah Lanes. Both activities happened on September and were in coordination with the Philippine Consulate General Jeddah.

On this Convention, our Chairman EVP John Ray O. Madla started the preparation thru coordination meetings, brainstorming, and planning for this year's much awaited 20th Annual Convention. To celebrate the fruitful year of our Chapter and to welcome the incoming Executive Officers and Directors of 2024. The Convention theme "PSME-WRSA JC @ 30: Working Towards Economic Stability while Protecting the Environment commemorates our 30th year Founding Anniversary and at the same time reminds us that in improving our standards of living, we have a moral responsibility to take care of and protect the place where we live and preserve it to the future generations. The chapter had promoted and cooperated with this year's PSME-GREEN theme of the PSME National. And we would like to continue this advocacy in the coming year and years to come.

Thank you for the opportunity you have given me to be your Chapter President and I look forward to the continued success of this beloved chapter. I would like to end this report with the Quote "Teamwork divides the task and multiplies the success".

Good day everyone and God Bless.

By: Jose Melvin D. Santos, RMEE, AE
Chapter President



2023 Chapter Activities



Jan 7, 2023. Kick Off Meeting & Planning for Year 2023



Jan 13, 2023. Start of SPLE 2023 Review Sessions



Feb 24, 2023. 1st Technical Seminar & Product Presentation



Mar 17, 2023. "Let's Play Ball!" – Basketball Fun Game



June 2, 2023. Plant Tours – Saudi Laundry Services, KAEC Rabigh



June 23-24, 2023. Annual Thanksgiving & Get Together



July 21, 2023. 2023 Mid-Year Convention & GMM



Sept 8, 2023. 2nd GMM & Election of 2024 Board of Directors



Kick-off Meeting and Planning



We started the year with our Kick-Off Meeting on January 7. The Board of Directors met in our Headquarters. First Part of the meeting was the Official Turnover of office from the 2022 to the 2023 Executive Officers and Directors. In the second half of the meeting, I presented to the Board the Annual Plan of Activities for the year 2023. These target activities included sponsored Technical Seminars, Plant Tours, Sport Activities, SPLE Reviews and Examinations, Newsletter Publications, Chapter Conventions, and many others.

By: Jose Melvin D. Santos, RMEE, AE
Chapter President





2023 SPLE Review Sessions

IN THE NAME OF ALLAH, THE MOST GRACIOUS AND THE MOST MERCIFUL

This year's review started as early as 1st week of January 2023 and ended 1st week of April, prior to the scheduled exam, on April 22, 23 and 24.

The Review instructor were:

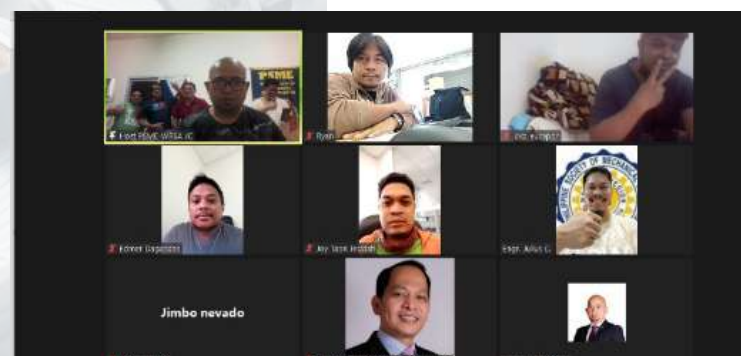
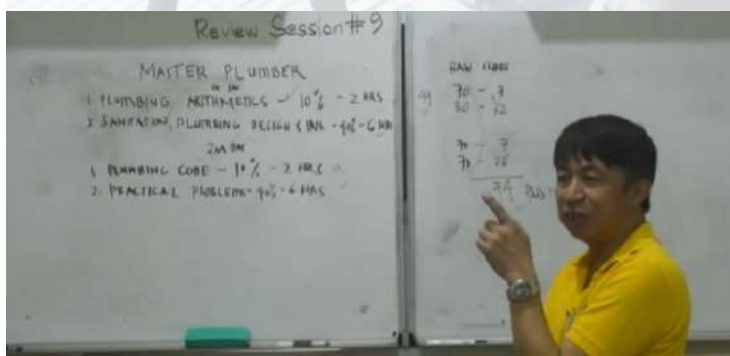
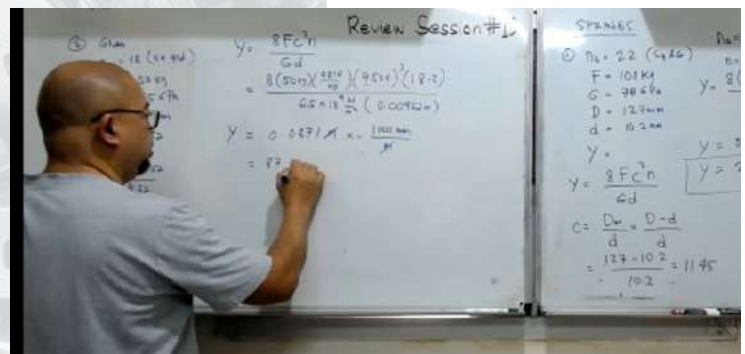
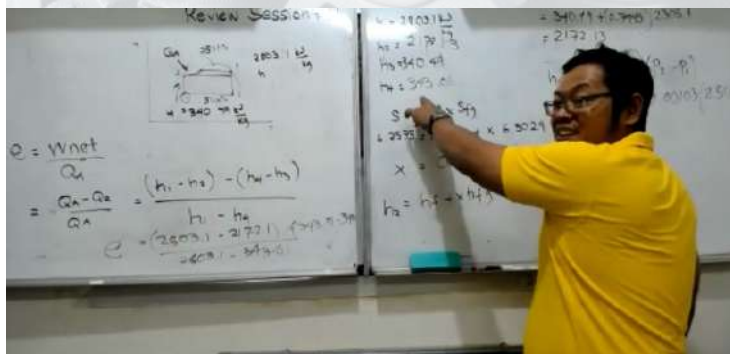
Engr. John Ray O. Madla for General Mathematics, Power and Industrial Plant.

Engr. Jose Melvin D. Santos for Machine Design

Engr. Napoleon M. Castañeda for RMP Sanitary and Plumbing

The reviews were attended by members, associates and other discipline. This showed that PSME WRSA JC is here to serve all. It will be concluded through pre-board exams which are based on the previous given problems.

By: Engr. Julius M. Cañeca
RMEE





1st Technical Seminar



PSME-WRSA JC once again started the fiscal year 2023 with the 1st Technical Seminar entitled "BASIC PARLIAMENTARY PROCEDURE" by PP Aldrin Alizon D. Lango AND "PRODUCT PRESENTATION" by our major sponsor, LG Air Conditioning. It was held last February 24, 2023 at Jiwar Diamond Hotel, Jeddah, K.S.A. thru a hybrid platform and was participated by professionals.

By: Engr. Napoleon M. Castañeda
RMEE, RMP



2023 Basketball Fun Game

Last March 17, the 2023 Philippine Society of Mechanical Engineer - Western Region Saudi Arabia Jeddah Chapter (PSME-WRSA JC) basketball games were held with enthusiastic players competing in 5v5. The event promoted healthy sports and fair play among member of PSME-WRSA JC and it was our first sports activity in 2023 organized for our members to be strong, confident, and upbeat through various sports.

By: Engr. Mark Harold A. Ramirez
RMEE





Special Professional Licensure Examination 2023

The 3-day verification accommodated all applications not only in Jeddah but also the nearest towns and cities like Yanbu and Rabigh. This showed camaraderie among OFWs with one goal in mind, to serve our fellow Kababayans. These tiring events showed how dedicated the officers of all organizations despite having their own jobs in the kingdom. This was really a selfless act to serve others.

After more than a month of waiting, the results of the examinations were finally released with: 9 successful registered Master Plumbers with one Topped at #7, Engr. Leonard Meriales; and 2 successful registered Mechanical Engineers. Another Milestone for all of us in PSME-WRSA Jeddah Chapter.

By: Engr. Julius M. Cañeca
RMEE



SPLE-2023 PASSERS

PSME WRSA		
1	CAMPO, MELCHOR B.	RMP
2	CANACA, JULIUS M.	RMP
3	EUCAPOR, FRANCIS A.	RMP
4	MADLA, JOHN RAY O.	RMP
5	MERIALES, LEONARD P.	RMP
6	MORIONES, ORLAN C.	RMP
7	PAGLINAWAN, MARLOU P.	RMP
8	SANTOS, JOSE MELVIN D.	RMP
9	SOTTO, FELBERTSON B.	RMP
PSME WRSA		
1	ALINGOD, WILFREDO G.	RMEE
2	PILIEN, LOUIE A.	RMEE



2023 Plant Tours - Saudi Laundry Services



On June 2, 2023, we had our 1st Plant Tour at the Saudi Laundry Services in KAEC, Rabigh KSA. The Plant location is about 120km from our Chapter Headquarters where we meet up @ 7:00am. We were welcomed by the hosts and technical speakers: Engr. Mark Roan Abalos and Engr. Sven Eric Van Daele.

By: Engr. Ewvin D. Jaradal
RMEE





Thanksgiving 2023



On June 23, we organized a "Thanksgiving and Get Together" at a Private Villa in Usfan. It was a great time to relax to get our well-deserved rest and enjoyment after a fruitful 1st half of chapter activities and to celebrate our successful SPLE Review Sessions, SPLE Examinations, and Board Results. The gathering was also attended also by the Board of Directors, Past Presidents, and other members.

By: Engr. Jose Melvin D. Santos
RMEE, ASEAN Eng.





2023 Mid-Year Convention and GMM



On July 21, the 2023 Mid-Year Convention, was held in Jiwara Diamond Hotel. The MYCGMM was sponsored by REZA Investment. The Mid-Year Convention also had 2 Technical Seminars credited with 3CPD Points. Engr. John John Solam presented the "Design of Air Seal Ring in the Stuffing Box" and Engr. Greg Gulmatico presented the "5S Team Training". Mr Azam Khan, a Business Development Manager of REZA, presented their Outdoor and Indoor Cleaning equipment. PSME National Secretary Engr. Siegfried Sia was our Keynote Speaker and PSME VP for Middle East Engr. Shayed Mamayog was our Inspirational Speaker. Both delivered their messages via Virtual. PPO-WRSA Vice President, Mr. Willie Araza, CPA, was the Guest of Honor.

By: Orlan C. Moriones
RMEE, ASEAN Eng., RMP
2023 Mid Year Convnetion Chairman





2023 PME Write Shop

On August 25, we organized a seminar on "How to Become a PME". Past Presidents Napoleon M. Cepriaso and Crisostomo C. Ortiz were the Resource Speakers. The seminar was held in the PSME-WRSA Headquarter. There were 8 Aspirants who attended the seminar in preparation for the upcoming PME Interviews in UAE, Dubai. PP Napoleon Cepriaso acted as the Primary Mentor of the Aspirants. As of this writing, a total of 4 aspirants are already scheduled for 1st & 2nd Interviews.

By: Julius M. Cañeca
RMEE,
Professional Enhancement Director





2nd GMM & Election of 2024 BOD's



On September 8, was held the 2nd GMM & Election of 2024 BODs at Jiwar Diamond Hotel, Jeddah. The first half of the event featured the Keynote Speech of PSME VP for PME Affairs, Engr. Jose Florencio I. Losa via virtual and the Technical Seminar on "Boiler & Vessel Design" presented by PP Crisostomo C. Ortiz. The second part was the GMM & Election of 2024 BODs. PPO-WRSA President, Engr. Bernardo Allayban, delivered his Inspirational Message before the attendees. And then COMELEC Chairman Lee I. Bonifacio and its members, PP Aldrin Alizon D. Lango and IPP Niño Jose A. Lopez commenced the election. A total of 15 Board of Directors were elected by the General Membership.

By: Leonard P. Meriales
RMEE, ASEAN ENG
Chairman 2nd GMM



Election of 2024 Executive Officers and Board of Directors

President:	John Ray O. Madla
Executive Vice President:	Jobert M. De La Rosa
Vice President Internal Affairs:	Orlan C. Moriones
Vice President External Affairs:	Noriel J. Nollora
Secretary:	Dexter Jhones H. Andaya
Treasurer:	Leonard P. Meriales
Auditor:	Oliver O. Salazar
Press Relation Officer:	Mark Harold A. Ramirez
Membership Director:	Mark Joseph A. Madolid
Information Technology Director:	John-John P. Solam
Technical Affairs Director:	Badroden A. Balindong
Code of Ethics Director:	Julius M. Cañeca
Professional Enhancement Director:	Anthony C. Bugayong
Plant Tours Director:	Evwin D. Jaradal
Sports Director:	Gilbert V. Espiritu



PPO Coastal Clean-up Drive



PPO-WRSA had its Coastal Clean-Up Drive led by IPP Niño as Chairman of the Coastal Clean Up in Buhairat Open Beach. The chapter also attended the Bowling Tournament in Jeddah Lanes. Both activities happened on September and were in coordination with the Philippine Consulate General Jeddah.





PPO Fun Bowling Tournament 2023





71st PSME National Convention





2023 PME Aspirants Dubai Interview

The Professional Regulation Commission (PRC) brought its services closer to Filipinos abroad last 27 November - 2 December 2023. For 27-30 November 2023, the venue was at the Migrant Workers Office - Philippine Consulate General in Dubai, United Arab Emirates (UAE). They Conduct the Foreign Mobile Service, Professional Mechanical Engineering Examination, and ASEAN Chartered Professional Engineers (ACPE) One-Stop Shop in United Arab Emirates from 27 November to 2 December 2023.

Three of our officers and IPP (Engr. Niño Jose Lopez, Engr. Orlan C. Moriones, Engr. Anthony C. Bugayong, and Engr. John Ray O. Madla) went to Dubai to attend the initial and second interview for the application of Professional Mechanical Engineer. The interview was conducted in the morning and in the afternoon we have a spare time to go around the beautiful place of Dubai.

The event was successful after a long preparation and weeks of sleepless nights. We are really blessed and express our gratitude to our PME's (Engr. Napoleon M. Cepriaso and Engr. Crisostomo C. Ortiz) who guided us in this quest to acquire our PME status.





2024 Board of Directors

Executive Officers



John Ray O. Madla
RMEE, ASEAN ENG
Chapter President



Jobert M. Dela Rosa
RMEE
Executive Vice President



Orlan C. Moriones
RMEE, ASEAN Eng.
VP Internal Affairs



Noriel J. Nollora
RMEE
VP External Affairs



Dexter Jhones H. Andaya
RMEE
Secretary



Leonard P. Meriales
RMEE, ASEAN ENG
Treasurer



Oliver O. Salazar
RMEE, ASEAN ENG
Auditor



Mark Harold A. Ramirez
RMEE
Press Relation Officer

Board of Directors



Mark Joseph A. Madolid
RMEE
Membership Director



John-John P. Solam
RMEE, Meng-ME
Information Technology
Director



Badroden A. Balindong
RMEE
Technical Affairs Director



Julius M. Cañeca
RMEE
Code of Ethics Director



Anthony C. Bugayong
RMEE
Professional Enhancement
Director



Evwin D. Jaradal
RMEE
Plant Tours Director



Gilbert V. Espiritu
RMEE
Sports Director



Jose Melvin D. Santos
RMEE, ASEAN Eng., RMP
Immediate Past President





**Congratulations to PSME-WRSA
on its 20th Annual Convention**



*Congratulations to PSME WRSA JC
on it's 20th Annual Convention!*

**CONGRATULATIONS! to PSME WRSA-JC
on it's 20th Annual Convention**



**CONGRATULATIONS! TO PSME WRSA-JC
on it's 20th Annual Convention**





CONGRATULATIONS!
to PSME WRSA-JC
on it's 20th Annual Convention
from Engr. Orlan Moriones
and Family



CONGRATULATION! to PSME WRSA
on it's 20th Annual Convention
from Engr. Gilbert and family



Congratulations!!! PSME WRSA JC
on its 20th Annual Convention





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Vision Mission

Statement

At KHALAF A.H.AL Sulami for Trading Co & Building Solutions General Contracting EST, we aspire to be the leading vertically integrated construction company in Saudi Arabia, dedicated to establishing new industry benchmarks through excellence in every facet of our operations. We are proud to collaborate with Building Solutions General Contracting EST, leveraging their expertise to enhance our performance and deliver even better results for our clients and stakeholders.



Comprehensive Solution For Food Service & Hospitality Industry

Equuchef specialize in tailored kitchen and Front-of-house solutions to the foodservice industry. Due to our unique, client focused approach we Pride ourselves on our diversity of working with organizations across multiple sectors, From street food chefs niche restaurant to industrial Bakery, Butchery & Michelin-starred restaurants and five-star hotels & Resorts. With a group of experienced professionals and engineers in the industry we provide our Clients with the best range of Quality products from world renowned brands from design and sales to installation and aftersales service with our seasoned service and maintenance team.

