

# SINGAPORE SEMICONDUCTOR VOICE

SSIA  
Singapore Semiconductor Industry Association

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## SEMICONDUCTOR WOMEN'S FORUM 2024 RECAP

Relive the inspiring moments from SSIA's prestigious flagship event, celebrating women's contributions and advancing unity and equality in the semiconductor industry.

## SEMICONDUCTOR BUSINESS CONNECT 2024: 23 JULY 2024

Showcasing cutting-edge innovations, address supply chain disruptions, and promote sustainability in manufacturing, all aimed at enhancing global competitiveness and resilience. Sponsorships open!

## CELEBRATING SMES AND EMPOWERING THEIR JOURNEYS

Celebrating and empowering SMEs like ELH, Factorem, Innowave, Kromax, Meridionale Impianti, Secure-IC, and Sesto Robotics - innovators driving progress and excellence in the semiconductor industry.





A DISCUSSION ON

# DIGITALISATION & SUSTAINABILITY

TRENDS IN SOUTH EAST ASIA 2024

**Reports indicate a shortfall in the adopting of automation and digitalization systems. What would you say are some barriers for the SEA region?**

Understandably, they might be unsure of which technologies to adopt in a rapidly changing landscape. The fear of high upfront costs also makes it even tougher, especially when returns aren't guaranteed. They also worry about disruptions to their current workflows. To overcome these barriers, SEA companies need clear tech advice, cost efficient options, and solid plans for managing change.

**What is KSA's position on the topic of Sustainability and ESG excellence?**



KSA's ESN APAC Green Badge

Sustainability is one of the core values of KSA. Pollution and global warming is a critical issue and businesses need to consider beyond short term returns, and into the long term on issues such as carbon emissions, reporting and taxes, and ensuring a better future for coming generations.

Hence, for over 20 years, KSA has specialized in assisting our clients align their business goals with sustainability and ESG objectives through innovative technology that benefits both businesses and the planet.

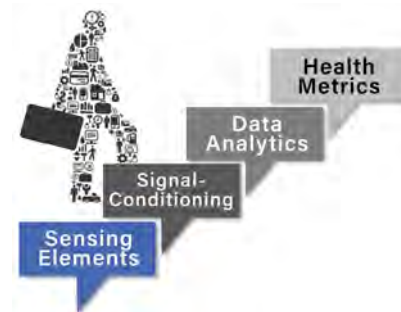
**What key deliverables have KSA achieved and success rates?**

Key deliverables varies between systems, but for KSA, operational efficiency is the common theme. We have attained for our clients:

- 50% energy savings,
- 3x maintenance extension,
- Reduced downtime,
- 50% waste reduction.

The return on investment (ROI) of the solution is important, as it determines its viability from a corporate standpoint. We firmly believe KPIs and sustainability goals can be achieved together.

**What is an example of technology that provides high ROI?**



Turnkey Predictive Maintenance

Predictive maintenance yields a high ROI as we help clients evolve from the conventional run-to-fail or time-based to condition-based maintenance. This change significantly reduces unscheduled downtimes and in turn, optimize machine uptime.

Further savings is also achieved when repair and maintenance services are structured by tiers backed by actual machine health data instead of scheduled full rebuild packages.

**Q&A** with



**Chen Lin, Lee**  
**Vice President**

Kromax South Asia Pte Ltd  
Kromax Malaysia Sdn Bhd  
PT U-SUN International

With advanced edge computing right at the data source, we have many proven cases of accurate and timely abnormality detection in mechanical systems, furnaces, and heaters.

**How does KSA leverage technology to achieve higher Sustainability excellence?**

The products we carry are all proven to conserve resources such as energy, fuel, water and chemicals. One way is through ,agnetic technology that treats fuel and water, creating more efficient fuel combustion and water boiler processes.



Smartflower at Austrian University

Our green technology lineup also includes next-gen solar energy systems with intelligent features such as sun tracking and self cleaning for maximum power output. The Smartflower has been an international symbol of technology, sustainability and corporate responsibility.

At KSA, we are committed to equipping our clients with globally sourced state-of-the-art solutions. Through adopting the latest technologies, we support businesses with transistioning from Industry 4.0 through to 6.0, enhancing their competitive edge on the international stage.





# SUSTAINABILITY & EFFICIENCY THROUGH TECHNOLOGY

For over 20 years, **Kromax South Asia** has been at the forefront of technology acquisition, engaging with best-in-class partners internationally. Through our strategic collaborations, we deliver pivotal competitive edges to clients, boosting operational efficiency and achieving sustainability goals.

## Energy Management Systems



## IoT & Digitalisation



## Predictive Maintenance



## Green Technologies



奇裕

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