

Joseph Robert Olympio

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Education:

University of Central Florida

2006-2011

BS in Mechanical Engineering; Mechanical Systems Option

Employment:

- MGTA Group, LLC – Project Specialist 2025-Present
 - Conduct investigations into power generation equipment failures to assess the cause and extent of damage. Equipment includes steam and gas turbines, generators, and all auxiliary equipment including transformers, electrical packages, motor control centers, and their associated infrastructure
 - Produce reports inclusive of findings and recommendations
 - Assist with estimations and review of project recovery plans identifying potential risks to help ensure successful execution and completion.
- Siemens Energy – Field Service Complex Projects / Forced Outages 2021-2025
 - Lead initial response, evaluation, and disposition of gas turbines, steam turbines, generators, auxiliary equipment, and their associated infrastructure impacted by a forced outage
 - Lead unit recovery effort by developing return to service plans including scopes of work, coordinating scopes of work internally and externally, facilitating technical reviews between internal and external parties, performing document transmittals, and managing customer and commercial expectations on contract values exceeding \$10M
- Siemens Energy – Field Service Mechanical Engineer and Project Manager 2011-2021
 - Participated in providing on-site and off-site technical and operational support in the design, development, installation, and maintenance of steam turbine and generator equipment and systems
 - Provided support in troubleshooting new and vintage equipment
 - Carried out day-to-day project management activities including planning, implementation, and mitigation of emergent issues
 - Created project reports and commercial documents that were distributed internally and externally to the customer
 - Performed budgeting, scheduling, and other duties of the project manager on multi-million dollar projects
- Completed Full-Time Internship at T.Y. Lin International Engineering Firm 2010, 2011
 - Firm scope of work: Aviation fuel gas and fire protection systems – supported new concourse project at MIA international airport
 - Edited and created AutoCAD drawings, took meeting minutes, processed RFI forms, and documented expenditures and monetary movement for a budget of over 2 million dollars.
- Shadowed at T.Y. Lin International Engineering Firm 2007, 2008, 2009

Achievements & Recognitions:

- Fundamentals of Engineering (FE) – Engineer Intern Certification Recipient (2012)
- Boy Scouts of America, Eagle Scout

Organizations and Community Involvement:

- Co-Founder and Treasurer of Essential Care Coalition, Inc. DBA The Cotton Bottom Diaper Bank – 501(c)3 Organization
- American Society of Mechanical Engineers
- Theta Chi Fraternity

Project Experience:

- Gulf Clean Energy Center (Pensacola, FL) November 2024
 - Cleaning and recovery of a Westinghouse hydrogen cooled generator following liberation of air gap baffle components.
- West Deptford Power Station Unit 2 (Paulsboro, NJ) July 2024
 - Stator coil failure on a Siemens Energy SGEN6-1000A / Aeropac 2 generator that resulted in a wound core replacement. Developed proposal, associated estimates, and recovery plan including logistical coordination of transport, delivery to site, and installation into existing frame.
- Dangjin Power Station Unit 22 (Chungnam, South Korea) January 2024
 - Stator coil failure on a Siemens Energy SGEN6-1000A / Aeropac 2 generator that resulted in a wound core replacement. Developed proposal, associated estimates, and recovery plan including logistical coordination of transport, delivery to site, and installation into existing frame. Assisted Korean colleagues in navigation of recovery effort, a scope they had never performed.
- Thomas Hill Energy Center Unit 3 (Clifton Hill, MO) May 2023
 - Westinghouse hydrogen cooled generator failure resulting in a generator and exciter replacement with a service-run retired hydrogen cooled Westinghouse generator harvested from Louisiana. Engaged and coordinated contractors to perform heavy lift / heavy haul evolutions as well as final grouting of the generator once landed on the foundation. Supported proposal development and execution on \$30M contract value.
- WA Parish Generating Station Unit 8 (Richmond, TX) June 2022
 - Major turbine generator event resulting in catastrophic damage to most components on centerline. Supported core team in developing proposal and restoration work scopes which included harvesting service-run retired Siemens Energy low-pressure turbines and a hydrogen cooled generator from Washington. Restoration included foundation-up rebuild including concrete and grout work, piping, electrical, structural, and HVAC.
- Wise County Power Unit 3 (Poolville, TX) January 2022
 - Restoration of a Siemens low pressure steam turbine following LP / condenser explosion event.
- Bayside Generating Station (Saint John, New Brunswick Canada) July 2021
 - Brownsfield Exchange (oOEM replacement) of gas turbine centerline and auxiliaries. Existing Alstom turbine generator, all BOP systems, and packages were removed from the foundation. The foundation was modified, adapters fabricated, and a W501F4 Econopac was placed on the foundation, including mechanical and electrical packages, exhaust manifold, and diffuser. Inlet and exhaust diffuser were adapted to existing inlet filter house and HRSG. Supported proposal development and execution on \$41M contract value.
- Bartow Plant Unit 4C (St.Petersburg, FL) May 2021
 - Stator coil failure on a Siemens Energy SGEN6-1000A / Aeropac 2 generator that resulted in a wound core replacement. Developed proposal, associated estimates, and recovery plan including logistical coordination of transport, delivery to site, and installation into existing frame.
- Novo Tempo GNA Unit 10 (Rio de Janeiro, Brazil) March 2021
 - Restoration of Siemens Energy steam turbine and components following loss of oil during new unit commissioning
- Bartow Plant Unit 4A (St.Petersburg, FL) February 2021
 - Stator coil failure on a Siemens Energy SGEN6-1000A / Aeropac 2 generator that resulted in a wound core replacement. Developed proposal, associated estimates, and recovery plan including logistical coordination of transport, delivery to site, and installation into existing frame.

- Ennis Power Station Unit 2 (Ennis, TX) July 2020
 - Major turbine event resulting in catastrophic damage to most components on centerline. Restoration of the entire Siemens Energy turbine and generator, all BOP systems, replacement of some foundation concrete and all grout work was required. Additional foundation and isophase bus duct modification required to support a different frame size generator. Supported proposal development and execution on \$89M contract value.
- Hickory Run Energy Station Unit 10 (New Castle, PA) January 2020
 - New unit commissioning failure on a Siemens Energy SGEN6-2000H generator resulting in replacement with a new generator and rotor. Supported proposal development, associated estimates, and on-site recovery plan including logistical coordination of transport, delivery to site, removal of damaged unit and replacement with new.
- Andres Power Station (Boca Chica, Dominican Republic) July 2019
 - Major turbine generator event resulting in replacement of the Hitachi steam turbine and Siemens Energy generator. Restoration of entire turbine generator, all BOP systems, replacement of some foundation concrete and all grout work, including an electrical operational system upgrade was required. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation, cold and hot commissioning.
- Grand River Dam Authority CFU2 (Chouteau, OK) August 2016
 - Major turbine generator event resulting in refurbishment and/or replacement of BBC turbine and generator components. Restoration of entire turbine generator (on and off-site repair efforts occurred concurrently), all BOP systems, replacement of most foundation concrete and all grout work, was required. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation, cold and hot commissioning.
- Zimmer Power Station (Moscow, OH) January 2016
 - Westinghouse hydrogen cooled generator failure resulting in a core and winding replacement. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation, cold and hot commissioning.
- Hines Energy Complex Unit 2C (Bartow, FL) February 2015
 - Major turbine generator event resulting in refurbishment and/or replacement of Siemens Energy HE steam turbine and SGEN6-1000A / Aeropac 2 generator. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation, cold and hot commissioning.
- Porto do Pecém (Ceará, Brazil) October 2014
 - Generator electrical event resulting in replacement of a Siemens Energy SGEN6-2000H generator. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation, cold and hot commissioning.
- Arkansas Nuclear One (Russellville, AR) June 2013
 - Generator stator rigging failure resulting in cleanup and subsequent replacement of a hydrogen-cooled Westinghouse generator stator and rotor. Restoration of grout, foundation, and structures was required. Supported onsite technical review and implementation of work scopes, managed subcontractors onsite, oversaw installation and commissioning.