Anthony J. Schulz

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Michigan Technological University Houghton, MI B.S. in Mechanical Engineering (2001)

MGTA Group LLC *Project Specialist* 2020 – Present

My primary responsibilities include: Investigate cause and origination of failures occurring in large rotating equipment including, but not limited to steam turbines, combustion turbines, electrical generators, hydro turbines, wind turbines and diesel gensets as well as all associated auxiliary power generation systems and equipment. Photograph and report findings to clients and assist with repair/replacement cost estimation, including delays in completion of project implementation strategies. Work closely with subrogation teams in establishing and reviewing evidence.

Siemens Energy Orlando, FL 2001 – 2019

Held position in Field Service Engineering as a Consolidated Outage Manager specializing in heavy industrial construction of steam turbines, gas turbines, electrical generators, controls and all supporting sub-systems in both the fossil fuel and nuclear power generation industries providing overall management responsibility for project success with resources ranging to 350 employees and $100M+ in capital. Routinely responsible for managing complex projects performed in both domestic and international regions with ultra-aggressive schedules most finishing in under 12 months. Responsible for all aspects of engineering, procurement and construction of mechanical, electrical, civil and environmental disciplines. Commonly manage internal and external engineering, manufacturing and procurement organizations as well as all trades, union and non-union, such as Millwrights, Pipefitters, Electricians, Ironworkers, Operators, Masons, heavy haul riggers, transportation, logistics and international customs as well as countless specialty trade services.

PROFESSIONAL EXPERIENCE

AES Andres Power Station Andres, Dominican Republic 2018 – 2019

Complete Power Plant Restoration from the foundation up of a Hitachi designed steam turbine and Siemens generator following a catastrophic event. Restoration included all civil, piping, electrical, turbine-generator, condenser, and replacement of all auxiliary and controls systems. Responsible for contract development and implementation including technical direction and project management. A complete unit restoration was complete from initial failure investigation and existing unit disassembly through construction and commission in just over 12 months with a project value of $80M USD

Pampa Energia` Genelba Power Station Marcos Paz, Buenos Aires, Argentina 2017

Generator stator replacement after catastrophic failure. Successfully developed and managed the project plan for removal of damaged stator, adaptation and procurement of new design stator and installation/commissioning of the replacement stator to support an aggressive 4 month return to service date with a project value of $25M USD.

GRDA CFU2 Chouteau, OK 2016 - 2017

Turbine-Generator and BOP refurbishment and installation from the foundation up of a BBC designed steam turbine following a catastrophic event. Responsible for contract development and implementation including technical direction and project management of extensive on site and off site repair efforts. A complete unit restoration was complete from civil foundation repairs through construction and commission in just over 14 months with a project value of $70M USD.

Zimmer Power Station Moscow, OH 2015 - 2016

Generator refurbishment of a Westinghouse designed 4-pole unit following a catastrophic event. Responsible for contract development and implementation including technical direction and project management of the manufacture and installation of a new stator core and rotor rewind supporting an aggressive 5 month return to service date with a project value of $30M USD.

Hines Energy Center Bartow, FL 2014 - 2015

Turbine-Generator refurbishment and installation from the foundation up of a Siemens designed steam turbine following a catastrophic event. Responsible for contract development and implementation including technical direction and project management of extensive on site and off site repair efforts. A complete unit restoration was complete from civil foundation repairs through commission in under 12 months with a project value of $40M USD.

Energy Pecem – UTE Pecem II Port of Pecem, Ceara`, Brazil 2014

Generator replacement of a Siemens designed generator following a catastrophic failure event. Responsible for technical direction and project management of removal and installation of an in-kind replacement stator.

Arkansas Nuclear One Russellville, AR 2013

Generator stator recovery project following a catastrophic event due to a temporary lifting device rigging failure. Responsible for project management of a complex recovery effort including debris removal following the event, developing a project plan for a new temporary lifting device, extensive on site repair efforts to repair the damaged building structure and foundations, and installation/commissioning of the replacement stator. The project was evaluated and authorized under the scrutiny from several agencies in the nuclear power industry. The project was successfully completed with the unit returning to service in under 5 months with a project value of $20M USD.

DC Cook Nuclear Power Station Bridgman, MI 2009

Turbine-Generator refurbishment and installation from the foundation up of a General Electric designed steam turbine following a catastrophic event. Responsible for technical direction and project management of extensive on site repair efforts as well as managing a multi-dimensional large scale project group. The unit was returned to service in just under 14 months with a project value of $100M+ USD.

Beaver Valley, Byron & St. Lucie Nuclear Power Stations USA 2003 - 2006

Turbine-Generator maintenance during multiple refueling outages including general inspections, new equipment upgrades, generator rewinds and new generator rotor purchase, receipt and installation.

Hatfield's Ferry Unit 2 Masontown, PA 2004

Complete unit rebuild following catastrophic failure of entire rotating train and all subsystems. Repairs included foundation grouting, refurbishment of all pedestal bases, three separate turbine element repairs and installations, generator core re-stack and rewind, EH system installation, etc. Project completed in just over 12 months with a value of $35M USD.