

MATERIALS AND SPECIAL PROCESS QUALITY ENGINEER

Mitsubishi Power Aero LLC, Glastonbury, CT

Mitsubishi Power Aero LLC is headquartered in Glastonbury, Connecticut, USA, and is a group company of Mitsubishi Power Americas, Inc. Mitsubishi Power Aero is the OEM and the exclusive provider of aero-derivative gas turbine packages based on the advanced technology of Pratt & Whitney® proven aircraft engines. For over 60 years, Mitsubishi Power Aero products and services have been the innovative solutions that our global customers require to deliver reliable, affordable electricity to their consumers.

Our customers rely on us to offer a true partnership for the entire life cycle of their gas turbines and to provide the best advice, monitoring, upgrades, retrofits, and repairs available to keep their operations running smoothly. We offer a rare level of customization, hands-on service, and responsiveness. Speed, flexibility, and durability are hallmarks of our products and customer support, as well as our culture.

Mitsubishi Power Aero has installed more than 2,000 gas turbines in over 50 countries. Our portfolio of aero-derivative gas turbine engines offers competitive, efficient, and flexible products that generate 30 to 140 MW of power in peaking, baseload, and on-demand power applications. As the demand for power expands, and more intermittent sources of power are introduced to power grids, Mitsubishi Power Aero will continue to play a vital role in providing energy security to customers around the world.

We integrate resources and create synergies with other Mitsubishi Power companies, allowing us to deliver optimized technical and commercial solutions. Customers respect our rich heritage as an innovator and value our financial stability as part of Mitsubishi Heavy Industries Group, a global leader in energy. Mitsubishi Power Aero cultivates the full potential of employees to advance engagement, personal growth, and organizational goals. Connect with us at aero.power.mhi.com or [LinkedIn](#).

In this position, the **Materials and Special Process Quality Engineer (MPQE)** will be responsible for providing quality engineering support for aero-derivative gas turbine programs. The selected MPQE will team with Engineering, Procurement, and other cross-functional organizations to drive the business and its suppliers to achieve quality, cost, and delivery goals.

Job Requirements

- Provide MPQE support for the FT8 and FT4000 aero-derivative gas turbine unit programs
- Lead suppliers in the creation, review, approval and documentation of Process Approval Requests (PARs).
- Provide on-site process reviews to support the approval of PARs.
- Review supplier proprietary documents on-site as necessary in support of PAR approval.
- Address supplier material and process issues.
- Perform and approve first article inspections.
- Execute supplier source inspections.
- Complete Quality System audits and process compliance assessments.
- Provide Quality technical support within the program value streams.
- Lead the resolution of supplier and customer escapes.
- Ensure implementation of effective corrective and preventive actions.
- Assist in the development and distribution of quality metrics including nonconforming material, supplier performance, and escapes.
- Monitor supplier quality assurance for suppliers and engine models.
- Review/modify quality requirements for supplier purchase orders as required.
- Manage assigned supplier nonconformances and deviations.

Special Skills

- Highly adaptable, effective team player with the ability to develop and sustain change activities
- Self-motivated with strong project management skills and proven accomplishments
- In depth understanding of the Engineering Source Approval (ESA) “Frozen” process
- Extensive knowledge of mechanical and chemical properties and testing materials
- Engineering drawing interpretation; GD&T with the ability to interpret CMM data outputs
- Hard gaging experience, including calipers and micrometers
- Ability to engage, interact with, and hold suppliers accountable
- Experience using root cause analysis tools such as 8D, 5 Whys, and Ishikawa diagrams
- Strong analytical, problem-solving, and communication skills
- Proficiency with MS 365 suite

Education/Experience

- Bachelor of Science in a technical discipline
- 10-15 years of experience in Quality Engineering, Manufacturing Engineering, or Project Engineering preferred
- Gas turbine engine component and/or assembly experience
- Airfoil casting/forging and Non-Destructive Test (NDT) experience
- SAP experience
- Experience working for an ISO 9001-certified company

Additional Requirement

- Up to 20% domestic/international travel may be required