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# Example of Advanced Manufacturing Engineer Job Description

Our growing company is looking for an advanced manufacturing engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for advanced manufacturing engineer

* Develop and execute plans to qualify internal manufacturing operations and/or external suppliers in order to meet new product introduction fulfillment and quality
* Utilize New Product Introduction tollgate process to ensure that new programs and upgrades are implemented effectively
* Partner with Design COE to apply Value Engineering and should-cost techniques on proposed design concepts early in the New Product Introduction (NPI) process
* Provide technical guidance and solutions to optimize cost competitiveness, quality excellence, and cycle time leadership across the full product lifecycle
* Be a strong advocate for Quality in the company and outside, with suppliers and other stakeholders
* Coordinate your actions towards suppliers with Sourcing and Suppliers Quality teams
* Keep a good understanding of the suppliers market for casting
* Be an active member of Hydro AME global team
* Lean experience and project management experience are even better
* Lead the process development activities (flowchart, process design reviews, process optimization, process design, validation of new and existing products, logistics, manufacturing sequence)

## Qualifications for advanced manufacturing engineer

* Strong knowledge of steel casting (carbon steel and stainless steel)
* Strong technical background covering Manufacturing, Advanced Manufacturing, or Engineering
* Work in a global environment effectively and travel as required in China (and sometimes outside)
* Completely fluent in Chinese and English
* Team spirit to communicate with casting specialist team
* Precision Machining Technology (Milling, Turning, Grinding), 5-Axis Milling CAM programming, High / Low Volume Automation