



# Example of Methods Engineer Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our company is hiring for a methods engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for methods engineer

- Provide engineering definition to drafting to develop layouts, models, drawings and procedures
- Support engineering project management of major projects driving consistent systematic project execution
- Ensure fleet experience and feedback is incorporated into design reviews, design meetings, and communicated to the appropriate engineering design personnel
- Communicate technical requirements to internal and external customers through documentation, and customer meetings
- Provide technical field assistance for all forms of field service, start-up and commissioning of steam turbine equipment
- Support sales and marketing efforts as required for new units and upgrades
- Identify, implement, and demonstrate appropriate numerical methods to ensure reliable and efficient convergence of numerical models across a variety of business needs
- Provide support to engineering teams in the area of optimization, computational methods and system analysis tools
- Lead/support the development of virtual verification methods that use multi-body dynamics, vehicle-level structural dynamics, and optimization technologies to solve problems in vehicle NVH, squeak and rattle, vehicle dynamics, shift-quality, P/T NVH, drivability
- Identify, develop and deploy tools and methods for fast model build process

vehicle/system models for structural dynamics, conceptual design, thermal and fluid dynamic simulations

## Qualifications for methods engineer

- Metallic Material Knowledge & application on manufacturing processes
- Has a basic understanding of weld gun configuration, mid-frequency weld technology, servo weld guns and weld gun types as applied to sheet metal joining
- Knows main specifications of MIG, TIG, plasma, laser Continuous/Spot, Spot welding, brazing technologies (soldering) and equipment
- Has a broad knowledge of the main joining technologies alternative to welding such as riveting, self-pierce riveting (SPC), gluing, and is able to evaluate benefits, costs and investments and simulate alternative scenarios to select best joining process solution
- Finishing processes acid cleaning, grinding, polishing, automatic tooling vs manual tooling
- Capacity to develop process layout