

Principal Subsea Structures Engineer

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Company: Worley

Location: United Kingdom

Category: architecture-and-engineering

Building on our past. Ready for the future

Worley is a global professional services company of energy, chemicals and resources experts headquartered in Australia.?

Right now, we're bridging two worlds as we accelerate to more sustainable energy sources, while helping our customers provide the energy, chemicals and resources that society needs now.

We partner with our customers to deliver projects and create value over the life of their portfolio of assets. We solve complex problems by finding integrated data-centric solutions from the first stages of consulting and engineering to installation and commissioning, to the last stages of decommissioning and remediation. Join us and help drive innovation and sustainability in our projects.

Principal Subsea Structural Engineer

Role Context:

As a Principal Subsea Structural Engineer at Worley, you will ensure and lead subsea structural engineering and design, interface with other disciplines and the client to ensure the functionality, fabrication, and installation of subsea structures, from early concept phases of a project to installation and commissioning phases. You will also support on proposals, tenders, and bid clarifications as well as contribute to promoting new design approaches and technologies for different project phases.

You'll be:

- Providing high level expertise in structural aspects of projects, including calculation and

analysis requirements as well as design and 3D model checking, verification and validation of structural engineering and design.

- Capable of interfacing with a team of engineers (specifically, pipelines, geotechnical/foundation, and subsea production engineers), designers, and specialists on a regular basis as well as a variety of clients' technical backgrounds
- Gathering, preparing, and developing engineering studies, numerical analysis, calculations, and technical reports, specifications and philosophies.
- Seeking input from knowledgeable sources, participating in constructability, operability, and maintainability reviews, and ensuring that requirements are incorporated into structural engineering design.
- Well versed in different types of structural engineering commercial numerical/Finite Element analysis software, for example, FS2000, SACS, ABAQUS, etc... in order to prepare a design for implementation, fabrication, and installation
- Adept at assessing project risk during constructability and instability reviews, design and executions phases, as well as associated budgeting and cost control

You'll have:

- Bachelor of Science Degree in an engineering discipline
- Professional (or seeking professional) status
- An excellent understanding of subsea engineering
- Good working knowledge of UK and International design standards and codes
- An understanding of subsea hardware, the different types of the production system, manifolds offline and inline structures and their types
- Excellent people's skills interacting with engineers of different seniority, technical capability, and cultural background, proactive to get the work done, a team player with a can-do attitude

Moving Forward:

We want our people to be energized and empowered to drive sustainable impact. So, our focus is on a values-inspired culture that unlocks brilliance through belonging, connection and innovation.

We're building a diverse, inclusive and respectful workplace. Creating a space where everyone feels they belong, can be themselves, and are heard. And we're not just talking about it; we're doing it. We're reskilling our people, leveraging transferable skills, and

supporting the transition of our workforce to become experts in today's low carbon energy infrastructure and technology.

Whatever your ambition, there's a path for you here. And there's no barrier to your potential career success. Join us to broaden your horizons, explore diverse opportunities, and be part of delivering sustainable change.

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