

Senior Engineering Manager

Asset International Structures (A Division of Hill & Smith Ltd) is looking to increase its technical department by recruiting an experienced Senior Engineering Manager to work across its suite of products. Due to Asset Structures growth in the market and new additions to its evolving portfolio, now is an exciting time to join one of the many growing companies within the Hill & Smith PLC Group. The Senior Engineering Manager will be responsible for driving engineering excellence across the department.

The role involves multidisciplinary engineering working across a range of projects relating to the infrastructure and highways industry. Asset Structures clients broadly range from a technical background, including consulting engineers, local authorities, civil engineering estimators and buyers from the contracting industry.

Candidate specification

Due to the nature of the role, you will need to have 5+ years of experience in engineering expertise at the management level. You will demonstrate strong commercial awareness from various engineering sectors and have experience working with concrete, FRP and steel structural designs. You will be a passionate innovator, have an interest in sustainable design and environmental responsibility. A proven track record in engineering R&D, engineering excellence, together with a proactive approach to engineering management and the desire to achieve business success, is key to your career progression within Asset International Structures.

Responsibilities and duties

Key responsibilities and duties are listed, but not limited to, the below:

- Undertaking structural engineering designs for a range of infrastructure projects including concrete precast arches, galvanised steel structural solutions primarily utilised in bridges, long and short span, as well as buried structure projects such as tunnels, culverts, and underpasses. Experience of FRP design.
- Foundation design for concrete arches and corrugated steel structures.
- Manage project costing ensuring that projects are constructed and delivered on time and within budget.
- Improve internal engineering operations, through process analysis and implementation.
- Project development from concept to the construction stage. Reviewing the CDM regulations to provide risk and method statements.
- Developing digital workflows.
- Attend client meetings and work sites if necessary.
- Attend, exhibitions, seminars, and conferences where appropriate.
- Train and mentor members of the engineering team.
- Manage and motivate the engineering team to achieve given targets.

Qualifications and Skills

- A Degree or Master's in Civil or Structural Engineering.
- Chartered Engineer (MICE or MStructE) member of ICE or equivalent.
- Proficient in the use of AutoCAD, FINITE element design packages such as LUSAS.
- Fibre-Reinforced Polymer (FRP) composite design experience.
- Excellent experience of BIM using ProjectWise or Revit.
- Health and Safety qualifications NEBOSH or IOSH.
- Project Management experience.
- Design concrete arches, retained earth walls and CSBC (corrugated steel buried structures).



The Company

Heritage, growth, and evolution

In 1954, ARMCO established its manufacturing plant in South Wales. With many years of trading success, ARMCO's UK arm purchased by Hill & Smith Holdings PLC in 1986 and began trading under Asset International Structures (a division of Hill & Smith Ltd).

Since 1986 Asset International Structures has firmly positioned itself as a market leader in the corrugated steel pipe market with its leading brand name of 'MultiPlate'. 'MultiPlate' in its various formats has been produced for supply into the road construction industry for over 100 years.

Over the years, Asset International Structures has fully embraced the necessity to provide value engineering solutions. As a result, each project undertaken considers improving functionality, enhancing life span, and reducing costs.

To increase the span range, Asset 'StrenCor' was added to the product suite back in 2000. Asset 'StrenCor' was the first large scale corrugated arch structure installed over a live railway within the UK. It was also the broadest corrugated steel arch designed and constructed within the UK in recent years.

Over the past ten years, additional product lines have been added to the portfolio to include BEBO precast arch and VSoL retained earth structures for both the UK's highway and rail infrastructure markets.

With a clear focus on future growth and strategic planning in addressing emerging markets worldwide, Asset International Structure continues to add to its product portfolio.

Working environment

Asset International Structures offers a friendly and supportive working environment, where employees are self-motivated, a team player and is committed to their work. In return the company offers a range of benefits.

We are an equal opportunities employer, and we strive to create a diverse and positive working culture.

Position Location

Cwmbran, South Wales, UK. Travelling to client meetings and construction site will be necessary within this position

Benefits

Holidays: 25 company days plus UK public holidays.

Private pension provision, with maximised employer's contributions.

Private healthcare cover

Recruitment contact: Job reference **JD04**.

Person Specification Form

Job Title: Senior Engineering Manager

Department: Engineering & Estimating - Responsible for ensuring engineering expertise is applied to all projects, management of the technical team, working in conjunction with the sales department.

Factors	ESSENTIAL	DESIRABLE
• Undertake structural engineering designs for a range of projects	✓	
• Excellent understanding of current design standards including the Eurocodes and appropriate National Annexes	✓	
• Manage and drive the engineering team to achieve their targets	✓	
• Generate designs in line with client's expectations	✓	
• Attend client meetings and work sites if necessary	✓	
• Seek ways to improve engineering operations, through delivering strong conceptual solutions through to design stage	✓	
• Respond effectively by contributing to the company's strategy	✓	
• Attend, exhibitions, seminars, and conferences where appropriate		✓
• Train and mentor members of the engineering team	✓	
• Conduct employee appraisals and performance reviews	✓	
Qualifications	ESSENTIAL	DESIRABLE
• A Degree or Master's in Civil or Structural Engineering	✓	
• Chartered Engineer (MICE or MStructE)	✓	
• Member of ICE or equivalent.	✓	
• Proficient in the use of AutoCAD, FINITE element design packages such as LUSAS.	✓	
• Fibre-Reinforced Polymer (FRP) composite design experience		✓
• Excellent experience of BIM using ProjectWise or Revit	✓	
• Health and Safety qualifications NEBOSH or IOSH		✓
• Project Management experience		✓
• Design concrete arches, retained earth walls and CSBC (corrugated steel buried structures)		✓

Relevant experience	ESSENTIAL	DESIRABLE
• Minimum of 5 years working in a senior engineering role	✓	
• Excellent understanding of current design stands including the Eurocodes and appropriate National Annexes	✓	
• Project development from concept to the construction stage. Reviewing the CDM regulations to provide risk and method statements	✓	
• Managing engineering teams	✓	
• Demonstrate excellence in engineering skills, developing detailed designs for structural and engineering projects	✓	
• Driving productivity and demonstrating results	✓	
• Familiar in working with CRM systems		✓
• Working in MicroStation or AutoCAD software	✓	
• NEC contracts and procurement standards		✓
Aptitude, skills, and abilities	ESSENTIAL	DESIRABLE
• Excellent presentation and communication skills, both verbal and written	✓	
• Strong organisational skills	✓	
• Excellent IT skills, including Microsoft Word, PowerPoint, and Excel	✓	
• Ability to prioritise, work under pressure and to meet strict deadlines	✓	
• Excellent numeracy skills	✓	
• Excellent understanding of the CDM regulations 2017	✓	
• Able to produce risk and method statements	✓	
Personal attributes and disposition	ESSENTIAL	DESIRABLE
• Ability to work independently on own initiative	✓	
• Confident in attending meetings and undertaking presentations	✓	
• Able to motivate others to drive sales targets	✓	
• Represent the organisation at exhibitions	✓	
• Willingness to be flexible and take on additional duties when required in the interest of the organisation	✓	
• Ability to get on well with a wide variety of people		✓