

Job Description

Principal Engineer / Associate

AMCO-GIFFEN

Job Title	Principal Engineer / Associate			
Business Unit	Design & Engineering			
Location	York			
Position Reports To	Operational:	Head of Design	Functional:	Head of Design
Direct Reports	Senior Design Engineer(s), Design Engineer(s)			
Authorised To Liaise With	Chris Parker, Hamish Muir			

Role

Having secured a number of long term Frameworks with our key Clients, AmcoGiffen are further expanding our in-house Civil & Structural Design team. We have a number of positions available at various levels for engineers who are committed to delivering the optimum design solution, building on their experience, and furthering their professional development.

We offer a competitive package, a professional environment, along with dedicated support to assist aspiring engineers in achieving their goals.

This is a lead role within the In-house Design Team, responsible for the technical aspects of engineering projects in addition to programming, resource allocation, budgetary control, managing customer satisfaction, reviews, coaching and recruitment.

Key Tasks & Responsibilities

- Technical guidance and leadership on engineering solutions, with initiative and confidence to take ownership and be responsible for making key decisions based on sound engineering judgement.
- Challenge the brief, enabling innovative development of unambiguous engineering solutions from feasibility through to detailed design.
- Leadership in the development of design philosophies of engineering solutions.
- Significant CRE (Design) experience on Network Rail schemes, over a varied range of projects including multi-disciplinary schemes.
- Review and approve design deliverables.
- Promotion of positive SHEQ (Safety, Health, Environment & Quality) behaviours.
- Lead representative at meetings with internal and/or external Clients and Stakeholders.
- Ensure work is delivered within the team's financial, quality and programme targets.
- Promote safe working practices in all areas.
- Strong management and motivation of teams.
- Mentor and coach team members, and succession planning.
- Build and manage relationships with internal and external clients.



Person Specification

- Minimum of 10 years' experience in the design of Civil Engineering structures.
- Minimum of 5 years' experience in assessment and design, ideally of railway bridges and station structures; this should include the planning and undertaking of condition surveys for Assessment.
- Proven and effective leader, with experience in line managing and organising teams.
- Experience in rail (including minimum of 3 years' experience of performing a CRE role), bridges, earthworks, drainage and highways, with related experience of working with AmcoGiffen's key Clients including Network Rail, Transport for London, Environment Agency and Canal & River Trust.
- Detailed understanding of factors influencing the buildability of design solutions, including engagement with planners, estimators and construction staff to establish the most sustainable, efficient and economic methods of construction and use of materials within the boundaries of technical requirements.
- Experience of working on multi-disciplinary projects including interactions with E&P, Signalling, Telecoms, P'Way, and OLE.
- Confident at designing in steel, concrete, composites, masonry and timber.
- Working knowledge of relevant Structural Assessment and Design software packages.
- Working knowledge of relevant British Standards, Eurocodes, and Regulatory Body Standards.
- Working knowledge of ISO 9001 / 14001 / 44001, PAS 1192 and OHSAS 18001 Standards.
- Understands the importance of achieving customer satisfaction by driving and maintaining the highest level of standards and working collaboratively.
- Excellent organisational, communication, reporting and presentation skills.
- Committed to the professional development of others, with the ability to recognise and promote good practice.

Educational / Professional Qualifications

- MEng / MSc Degree level of education, or equivalent.
- Chartered Member of a relevant Professional Body.

CSCS Requirements

- Professionally Qualified Person, or similar.

H&S Requirements

- Detailed understanding of current CDM Regulations.

Any Other Requirements

- Full Driver's License.

BIM Responsibilities

- Working knowledge of the BIM processes and working to AmcoGiffen BIM procedures.

