

Engineer, Protective Structures

About the Role

Prostruct Consulting is looking for an engineer to design and analyse protective structures that safeguard buildings and infrastructure from explosions, dynamic loads and other security threats.

Responsibilities:

- Design, analysis and plan for protection of building and infrastructure from attacks and accidents (e.g. explosion).
- Perform Blast Effect Analysis (BEA) and Structural Resiliency Study (SRS) on buildings, facilities, structures, facades etc.
- Design, analysis and plan for protective security engineering works (e.g. physical, electronics).
- Liaise with other consultants, contractors & authorities from inception to completion of projects.
- Responsible for timely submission of plans and reports to authorities and clients.
- Interact with a diverse set of clients including multi-disciplinary consultancy design team members, contractors and government agency personnel.
- Manage projects to meet the time, cost and quality objectives.
- Prepare tender specifications and drawings for tendering of construction contracts, including evaluating of tender submissions and make appropriate recommendations to clients.
- Coordinate and monitor work progress at site including periodical site inspection and attending meetings during course of construction of projects.

Requirements:

- At least a good degree in Civil/Structural/Electrical/Mechanical Engineering or relevant engineering recognized by the Professional Engineers Board.
- Proficiency in Engineering software such as AutoCAD, BIM, Tekla, ETABs etc.
- Candidates with knowledge of design and analysis of structures under dynamic loading, e.g. blast, blast tests, shock and vibration would be advantageous.
- Strong interest in counterterrorism and homeland security.
- Good communication skills and the ability to work in a team.
- Self-motivated, innovative thinker and willing to take on new challenges.

Prospective Job Applicants should send their resume to contact@prostruct.com.sg