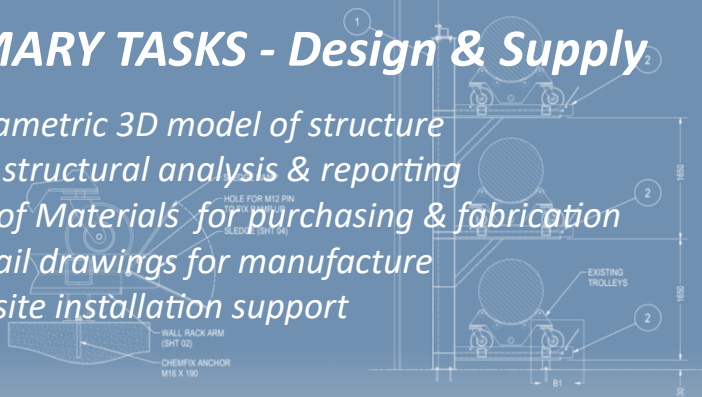


CASE STUDY – Autonomous Underwater Vehicle (AUV) Storage Rack

PRIMARY TASKS - Design & Supply

- Parametric 3D model of structure
- Full structural analysis & reporting
- Bill of Materials for purchasing & fabrication
- Detail drawings for manufacture
- On site installation support



Argo Engineering Solutions was appointed by Ocean Infinity to design & supply a 4.5m high storage rack to house their fleet of AUV's when not in service. The racks themselves had to be designed to fit in with the existing building structure and comply with the company's safe working practices

Each AUV has its own trolley and together, the whole assembly is lifted using a fork lift truck. Aside from being able to accommodate the trolleys, the racks also had to be designed to allow the AUV's to be stored securely and removed quickly when required

Once the concept had been defined, the design was taken from the preliminary stages through fully developed assembly drawings to manufacture & installation

As a part of the process Argo conducted a survey of the site and assessed the day to day working patterns in order to design a rack that was fit for purpose and had a minimal impact working around other contractors on site



Using our network of existing engineering partnerships and local manufacturers it was possible for Argo to deliver a complete working solution in collaboration with fabricators Four Tees Engineering

CLIENT:



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