

## CASE STUDY – Hayling Island Sailing Club Pontoon & Walkway

### PRIMARY TASKS

- *Designed to Lloyds Register Link Span Rules*
- *Finite Element Analysis of linkspan (brow & walkway)*
- *Stability and weight assessment*
- *Detail drawings for manufacture*
- *On site installation and support*

Argo Engineering Solutions was contracted by Docking Solutions, to design a pontoon and access way for Hayling Island Sailing Club. The requirement was for an all year round access for small craft at all states of tide, with special consideration for the changeable nature of the channel



Several challenges had to be overcome in order to deliver the project successfully:

- Satisfying the strict planning restrictions
- Ensuring that the design accounted for the ever changing environment such as moving sand banks
- Time sensitive installation window



*Precise control of weight with an in depth understanding of working conditions was needed so that the trim and freeboard of the pontoon was within safe working parameters.*

*During installation Argo was on-site to provide setting-out and alignment services in order to ensure that the planning restrictions were not breached. This required a flexible approach in order to deal with the variable site conditions*

CLIENT:

