



**Royal
HaskoningDHV**
Enhancing Society Together

client | Stena Line



“Royal HaskoningDHV’s team made sure that the work was scheduled around our day-to-day running and that it was completed quickly and efficiently. Their innovative engineering solutions and project management expertise mean that we now have a modern, flexible facility that allows us to offer our customers an even better service.”

John Marchbanks, Port Engineer,
Stena Line Ports

Keeping Stena Line sailing

Holyhead on the Isle of Anglesey is Stena Line’s busiest ferry port. Royal HaskoningDHV has been providing engineering solutions for the company for over a decade, helping Stena Line keep its services running smoothly and efficiently.

The latest project we’ve been involved with is a series of major refurbishments at the port’s linkspan berth at Terminal 3. The linkspan was originally built in 1995 and has been upgraded to handle a significant increase in vehicle loadings and to conform to current PUWER legislation.

The refurbishment has included the redesign, procurement and installation of four hydraulic lifting cylinders, each weighing 30 tonnes and having a lifting capacity of 350 tonnes. These are a new design with a patented hydraulic safety manifold and a new control system that allows maintenance trends to be scheduled and recorded. On our advice, all oil within the hydraulics has been replaced with the more environmentally friendly Panolin – a synthetic hydraulic oil that’s biodegradable and breaks up in water.

The linkspan has been fully repainted and new crash barriers fitted, with new lighting and relaying of the two road surfaces completed in early 2009. The 12m finger flaps that make the physical connection with the ferry have also been totally redesigned and replaced with six larger ones.

This was a major project for the Terminal, so throughout the refurbishment it was essential that any shutdowns were programmed to suit the company’s sailings and our complete project management of the programme ensured that there was as little disruption to Stena Line’s services as possible.

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