



Emergency Shutdown (ESD), HIPPS & Critical Action Panel (CAP)

KEP 2010 (Kårstø Expansion Project)

SAFE AND SECURE

Project Completion Date:	Ongoing
Project Value:	£6m
Customer:	MW Kellogg for Statoil
Installation Area:	Kårstø Gas Processing Plant, Norway

SELLA CONTROLS was awarded a contract to renew some of the major safety equipment at the Kårstø gas plant in southern Norway. Statoil is assisted by MW Kellogg as the EPCA contractor on the project, as it has been on three previous expansions at this facility. This work follows on from a £1m contract successfully completed in 2004.

Located 60km north of Stavanger, the Kårstø plant serves thirty major gas fields and processes more than 30% of all gas exported from Norway into Europe. The plant's significance to the Norwegian economy means that the technical services provider, Statoil, decided that only the most reliable and cost effective systems could be used.

SELLA CONTROLS is upgrading systems originally installed by HIMA 20 years ago. The work is in three areas: ESD, HIPPS and CAP – replacing the 20 year-old 'Planar F' system with state-of-the-art HIMA HIQuad H51q programmable electronic system. The systems will oversee safe operation of the Train 100, 200, 300, 400, Ethane, Propane Caverns, Storage & Loading, Utilities and Asgard Sales Gas plant areas.

The new systems will incorporate Statoil's technical requirements and latest design standards to make them more efficient and more cost Effective and improve system testing on the running plant. Separating the Process Control and Data Acquisition (PCDA) system from the rest of the control measures will give greater flexibility and enhance the system's already enviable safety record.

The replacement of these systems is part of the NOK6.5 billion (£580 billion - €394 billion) KEP2010 upgrade of the Statpipe/Sleipner area of the plant – the third largest in the world - designed to make it more robust for safe and efficient operations for many years to come.



www.sellacontrols.com





SAFE AND SECURE

With offices in Stockport and Ashby De La Zouch, **SELLA CONTROLS** has easy access to the motorway network, mainline railways and several international airports.

SELLA CONTROLS has custom built offices and workshops providing:

Consultancy	Feasibility - Risk Assessment - Reliability Studies – Lifecycle Costing
Project Management	On time delivery of project - Regular customer contact - Agreed milestones to monitor progress
Design	Detailed Design - Functional Logic - Auto CAD
Engineering	Functional Design Specification - Safety Requirements - Safety Requirements Specification
Manufacturing	Panel Build - System Build - System Integration
Testing	In-house - Factory Acceptance Testing - Site Acceptance Testing
Commissioning	System Inspection - Support during Startup
Technical Support	24 hour call out support - Upgrades/Modifications - Maintenance (IEC 61508 life cycle)
Training	Hardware/Software Design - Maintenance and Servicing - Customised Courses

www.sellacontrols.com