

Making oil and gas our business at ABB

As one of the world's leading power and automation suppliers to the Oil and Gas Industry, ABB is versed in the challenges that face oil and gas businesses, whether in the field, on a platform, at the terminal, along the pipeline or in the refinery.

ABB is the world's leading supplier of automation technologies in oil and gas. In Kazakhstan, where economic development hinges on a pipeline system to distribute one of the most potentially lucrative oil reserves in the world, ABB is automating the developing network.



As a world leader in power products and systems, ABB is at work in the North Sea. Here, for the first time, an offshore platform is to be powered from an onshore installation.

On October 1, HVDC Light, ABB's unique power transmission system, will begin powering the Troll A platform across 70 kilometers of water. ABB's one-of-a-kind VHV Motor (Very High Voltage) will do the job without need of a step-down voltage transformer.

In a field where experience counts, ABB has a wide range – including gas processing as well as production and distribution.

Pipeline control

ABB centralized remote control, measuring devices, and communication links help carry oil through the Caspian pipeline from Kazakhstan's Tengiz oil field on the Caspian Sea to Novorossiisk, Russia on the Black Sea, at half the cost of former transport by rail.

ABB's approximately \$3 billion Oil and Gas business includes unique products, systems and solutions from our core Power Technologies and Automation Technologies divisions, as well as ABB Lummus Global, which offers process technologies, engineering, procurement, and construction services to the oil and gas, petroleum refining, and petrochemical industries.



In refining, ABB Lummus Global offers advanced solutions for blending components, reformulated fuels, hydroprocessing and bottoms upgrading, as well as project management, engineering, procurement and construction-related services.



In petrochemicals, ABB is the market leader in Olefins with a 40 percent market share and ABB Lummus Global is installing its state-of-the-art Olefins Conversion Technology at LG Petrochemical Company's plant in Yosu, Korea.

By mid-2006, the system will convert low-value chemicals like ethylene and butane to propylene, boosting propylene production by 122,000 tons per year to feed an increasing consumer appetite for polypropylene-based automobile bumpers, electronic circuits and DVDs.