Texon knows how to carry out a successful retrofit and has the track record to back it up. In 2009, Texon Automation was awarded the contract for retrofitting the boiler control system onboard four sister LNG/C: Al Khaznah, Shahamah, Ish and Ghasha owned by National Gas Shipping Co. (NGSCO).

The order was placed only 7 months before the first vessel’s scheduled dry docking (mid October 2009) at Dubai Dry Docks. The schedule was tight with each ship coming in for 21 days and separated by only one week between each ship coming in. At the most critical point four ships were in Drydocks World - Dubai at the same time.

Due to the money at stake for the owner and the charterer, Texon decided to take complete responsibility for the installation and commissioning of each ship and the project was delivered turnkey. Each ship had its own installation team. The scope of work was not only the actual control system, but also a lot of field equipment in order to maximize the performance of the new system and increase the longevity of the steam plant control system.

In order to be able to deliver quickly and complete the installation on time Texon utilizes a system of pre-engineering in order to minimize installation time.

Texon evaluated the existing boiler control system and decided that the field equipment for the following key control areas needed to be replaced: Automatic combustion control system, Burner management system, Feed water level control system, Superheated steam temperature control system, Atomizing steam control system, Fuel oil pump pressure control system, Dump control system, Flame scanner system as well as Oxygen analyzer system.

The new system was set up as a fully redundant system with dual workstation, dual PLC:s and dual redundant field bus for the I/O rack connected to the field equipment.
Project Management
The entire engineering, procurement, fabrication and factory acceptance test (FAT) was carried out in Sweden, based on a very thorough and detailed survey of each ship and direct correspondence with NGSCO:s technical department and engine room personnel.

Andreas Madsen, CEO, Texon
“Supporting clients must always be number one in the shipping industry. Texon Automation not only knows how to make control systems but more importantly understands the process the control system is in charge of and how important the field equipment is. With our long experience we know that a loss of the main boilers is the worst expense that can ever happen. We are aware of the tight time schedule that superintendents live with. Our experience reduces the risk and relives the office and crew from too much work and stress.”

Jon Gaukroger, Technical Manager, NGSCO
“Texon Automation supported us as experts. As the question was raised to switch maker of the boiler control system we knew who to turn to. Texon Automation can provide the knowledge and quality that we demand in our business. Taking technical and operational matters into consideration we believe that a Texon boiler control system is the best option available on the market. It didn’t hurt that their offered solution was also bigger in scope of supply and lower in price as well, compared to the other bidders”

Texon knows how to carry out a successful retrofit and has the track record to back it up. Please contact us for LNG/C main boiler/ main turbine/ cargo and ballst controls/ compressor controls or FSRU conversions we are second to none.

Always ready to support you!