

Newsletter

Between 23 of April and 25th of June our engineers were in Pohang, South Korea, where they worked for OCI Company Limited Korea being involved in the project described below:

LOAD SHEDDING PREFERENTIAL TRIP SYSTEM .The main task of this system it's to continuously monitor the condition of the plant and, if needed, take the right decisions in case of power loss. There are 4 possible situations witch were taken into account for the Preferential Trip System:

- Selective trip control by pre-calculation
- Trip control by post-calculation selection
- Forced trip (back-up function)
- Trip by frequency drop (back-up function)

For an easy and complete operation, a number of 21 HMI screens were created. These include pages for alarms, system status and control, trends and logging. Printing support was also implemented, for alarms, trends and print-screens.

Since safety is one of main objectives, the Visu+ redundancy will help ensure a proper operation of the Preferential Trip System. The Primary and Secondary servers, connected to Woodward's redundant PLC through independent Ethernet networks, provide a good functionality even in the unlikely case of computer or network failure.

After two months of hard work, dealing with challenges and deadlines our colleagues finished this new and elaborated project. The company officials were very pleased with the results and the level of cooperation, assuring us that we will keep a strong relationship for the future projects.

Between 20th August and 31st of August, our engineers were involved in a project with ICE (International Contract Engineering) . Bringing our expertise we helped our client to be in time with the requested materials and documents. Read below for more details:

ICE wins another North Sea FEED Contract. Knutsen NYK Offshore Tankers A/S ("KNOT") – a joint venture between Knutsen OAS Shipping of Norway and NYK of Japan – has awarded ICE a contract for a Tender Phase front end engineering design ("FEED") study for the conversion of a Knutsen shuttle tanker to a floating storage and offloading ("FSO") vessel. The FEED study shall meet the requirements of TOTAL E&P NORGE for the Martin Linge (formerly named "Hild") North Sea oilfield operations. The study will be carried out in conjunction with KNOT, turret specialist NOV-APL, swivel technology provider FRAMO Engineering and Det Norske Veritas.

The ICE scope of work covers project management and engineering of all the marine side of the conversion, together with interface with the other contractors.

The documents resulted from our colleagues work, are:

- ICSS interfaces with marine facilities and marine control system – philosophy
 - Systems (ICSS and marine facilities) interface list
 - ICSS interfaces – specification
 - ICSS and marine systems interfaces with electrical / HVAC / TEL – specification
 - Electro-optical interconnection diagram with platform (swivel) – specification
 - Specification for cables from swivel to marine systems
 - Earthing block diagram
-