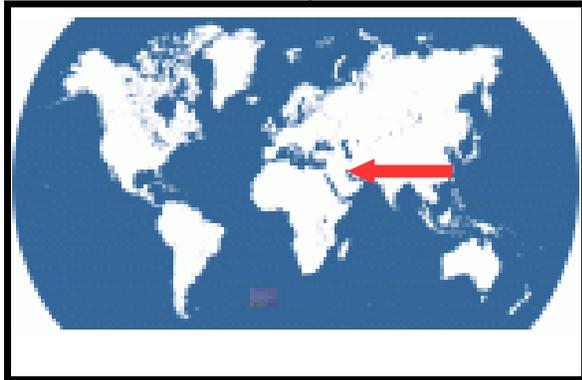


IN THIS ISSUE :

Tank management system - Kharg Island

EBP-automation takes part in gigantic projects !

This is an upgrade of an existing installation on Kharg Island.



Google view of the installation

The installation is coupled to a WinCC SCADA system. With the SCADA, tank storage and handling the different tanks, loading- and unloading jetty's; and also with the 4 refineries that are coupled to the tank park.

EBP-automation installed the SCADA PC's; one server and 2 clients.

We also set up the communication between the SCADA server and the Siemens S7-317 PLC,

the Enraf tank management system (via OPC) and the Yokogawa factory DCS system of the refineries (via OPC). We also did a pre SAT of the valve controls. We supported the mechanics with the testing of the MODbus communication between the radar systems and the controllers. We trained the operators.

Result was a fully integrated system, able to communicate with all subsystems.

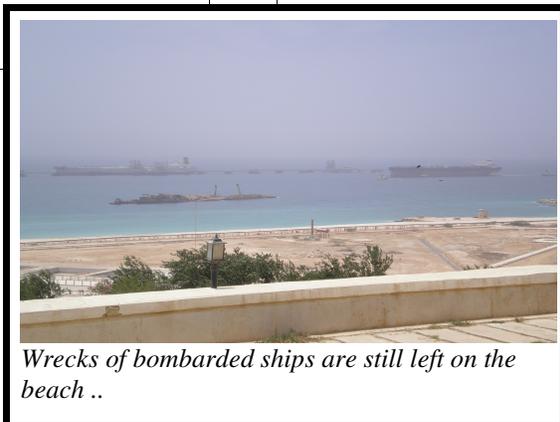
Interesting :

Remember the international press reporting about a virus in Iran ?

The SCADA server in this installation was also affected by this aggressive virus that started to remove all .exe and .dll files of the hard disk. The PC needed to be formatted and installed again.

This island is located in the Persian Gulf, 25 km off the coast of Iran; it is an important handling point for crude oil. During the war between Iraq and Iran, the island was heavily bombed by the Iraqi airforce. The majority of the oil terminals was destroyed.

It is a tank management system for 10 oil tanks and 4 water tanks (also referred to as 'radars').



Wrecks of bombarded ships are still left on the beach ..



On top of one of the biggest oil tanks in the world 1.200.000 barrels, 1 barrel = +/- 160 liter