

Alstom Switzerland

Khor Al Zubair 3, Basra (Iraq)

Project Description

The Khor al Zubair “KAZ” Power plant is located in the Basra, Iraq, harbor and port industrial area. The plant is owned and operated by Iraq authorities and was built by BBC in the 70’s. With the Iraqi rebuilding efforts and strong economic development, a need to enhance and renew the electric power installed by new and retrofitted power plants is vital.

KAZ PP consists of 4 gas turbines operating in open cycle. ALSTOM retrofitted units 3 & 4 including new repairs for the gas turbines, new electrical protection, distribution, control and excitation systems to ensure continued reliable operation of the plant for the next years.

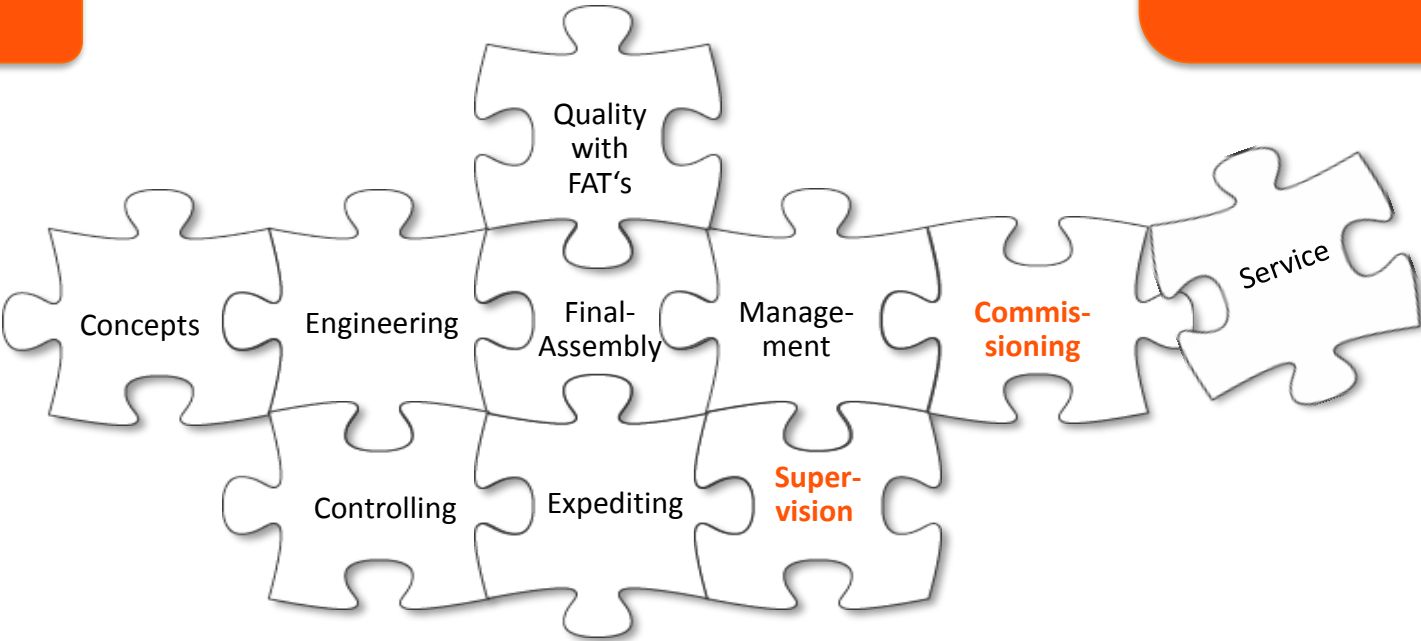


Role of INP Switzerland

INP joined ALSTOM at site for assisting the electrical hot and cold commissioning for the Unit 3, 90MVA and 10,5kV generator. This involved both secondary and primary tests of the protection systems including open circuit tests and synchronization to 132kV Iraqi grid. With the excellent teamwork between INP and ALSTOM engineers, the power plant was synchronized to the grid successfully and on time and now plays a vital role in ensuring reliable power supply to the Basra Industrial Area.

Smart E-Engineering-Services

Flexibility Throughout the Project



- Commissioning of electrical protection systems
- Preparation of test documentation and as-built red-mark documentation
- Coordination of tests and procedures with local staff and the customer
- Assisting with scheduling of main electrical tests
- Carrying out the hot and cold commissioning including open and short circuit tests and synchronization



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