

Bernard Controls' explosionproof actuators on KOC water treatment plant in Kuwait



The complete solution

February 2017, Bernard Controls installed over 30 explosionproof electric actuators (quarter-turn SQX and multi-turn STX models) with INTELLI+® intelligent control on the Kuwait Oil Company's new water treatment plant located 90 km North from Kuwait City. Mounted on ball and plug valves, they will be instrumenting water flows.

In 2015, KOC decided to launch a new water center project involving a water treatment plant and pipelines to supply water to nearby oil production facilities. This project aims at providing enough water so that oil facilities would operate smoothly in the next few years. KOC requested actuators able to operate in severe conditions and in an explosive atmosphere. Not only, the motor should run 30 minutes continuously, but it has also to deal with high operational constraints due to the dry climate.

For such operations, Bernard Controls offers S4 service motors on explosionproof certified actuators which permit up to 360 starts per hour for On/Off applications.



Bernard Controls ©

STX model mounted on a ball valve for KOC water treatment plant

About BERNARD CONTROLS

BERNARD CONTROLS designs & manufactures electric actuators and control systems for industrial valves' automation. Global leader in the nuclear market, BERNARD CONTROLS is one of the main actors in the global actuation business.

BERNARD CONTROLS is present all over the world and coordinates its activities within 4 Operating Areas which gathers **16 Operating Units in Americas, Asia, Europe and India / Middle- East / Africa**. Our **3 Manufacturing Units** are located in China, France and in the United States. The Group also relies on **more than 50 agents and distributors throughout the world**.

Leader in the nuclear market, BERNARD CONTROLS is also the close partner of challenging sectors such as **Power generation, Water, Industry, Oil & Gas**. Its solutions are suitable for all applications from on-off to high duty fast and precise modulating. The company's products & organization have been certified according to main international standards (ISO 9001 - ATEX, INMETRO, EAC, IECEX, INERIS, BUREAU VERITAS - CSA, FM, NEMA 7 and 9, TÜV...) and approved by the largest prime contractors & industrial players worldwide (ADNOC, ALSTOM POWER, AREVA, BLUE CIRCLE, BUREAU VERITAS, ENEL, EDF, ESKOM, ENGIE, GAZPROM, KNPC, KOC, LAFARGE, NIOC, PETROBRAS, QATAR PETROLEUM, SAUDI ARAMCO, SHELL, SOFRESID, TRACTEBEL, TECHNIP, TOTAL, VEOLIA...).

