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6/22/2015



DOUALA, Cameroon -- End of 2014, BERNARD CONTROLS delivered and set up more than 120 explosion-proof, quarter-turn actuators (SQX models) with INTELLI+ intelligent integrated control, to automate an oil depot fire protection located in Douala (Cameroon) for SCDP (Société Camerounaise des Dépôts Pétroliers).

SCDP Douala oil storage depot is one of the 13 oil storage depots of the company. There, they needed to automate their fire protection system. The installation is now fully operational to divide the deposit into five areas to meet different fire scenarios. SCDP chose BERNARD CONTROLS for its global solutions in automation. BC's technicians also provided the company with technical on-site support to set up a Master Station fieldbus solution.

Thus, two Master Station MS102 ensure Profibus communication with all the actuators which are connected with line redundancy for enhanced reliability. Indeed, thanks to line redundancy, the solution overcomes the risk of cut wires by doubling the line. If the first line fails, the communication automatically switches to the second one and a fault is reported. Furthermore, redundancy is also ensured at field unit level (INTELLI+ controls) by redundant Profibus interfaces on the SQX models.

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