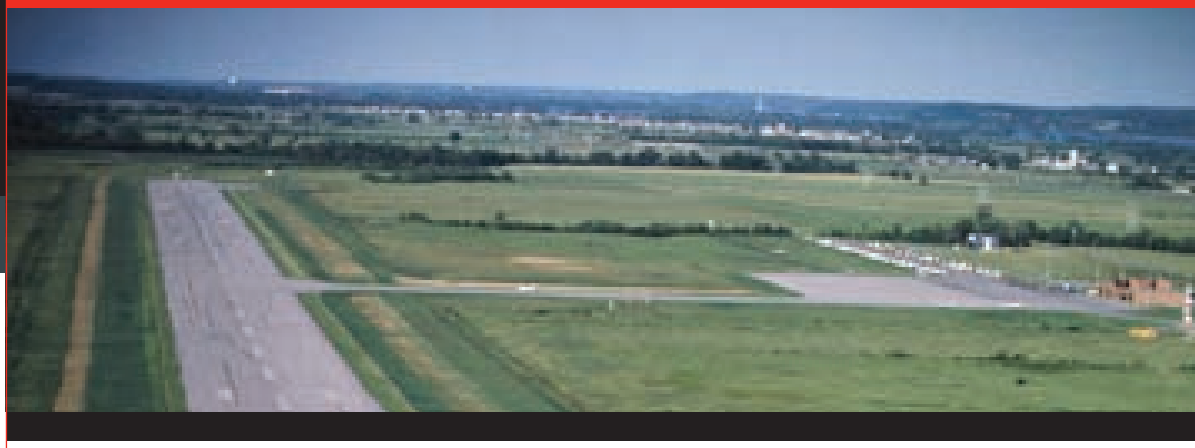
SEMAPHORE
a CSE-Global Group Company

APPLICATION BRIEF



Dubai International Airport
Storm Water SCADA System

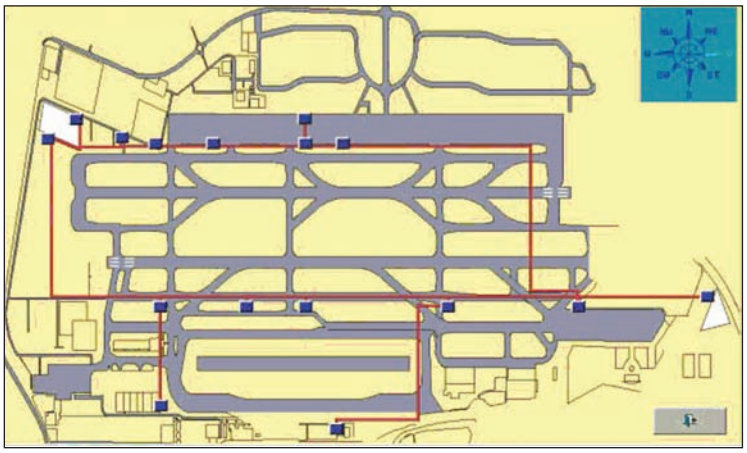
About the Customer

The Dubai airport is located in the fast growing commercial capital of the Middle East. The airport is presently undergoing a staged US$540M expansion to support more than 85 airlines that fly to more than 130 destinations.

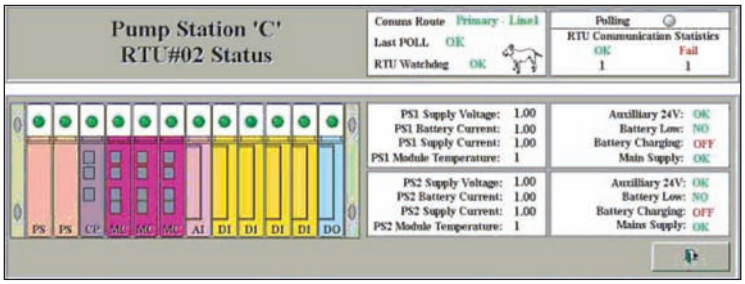
The Runway SCADA System was undertaken in partnership with A. A. Engineering Services of Qatar.

Our Challenge

Ensure that excess surface water does not close the airport (it does not rain often, but when rain comes, it is a flash storm). A SCADA system using a redundant data highway allows remote monitoring and control of storm water pumping stations, flow meters and storage chambers located around the airport.



SCADA system overview display



RTU status display (the watchdog wags its tail if the RTU is healthy)

Kingfisher RTU Solution

For this project each Kingfisher RTU has dual redundant power supplies, dual redundant 4-wire FSK data highways and between 20 and 100 I/O points. The system features dual Citect SCADA Servers along with a Remote Access Engineer's Terminal.

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