

## Dubai International Airport Storm Water SCADA System

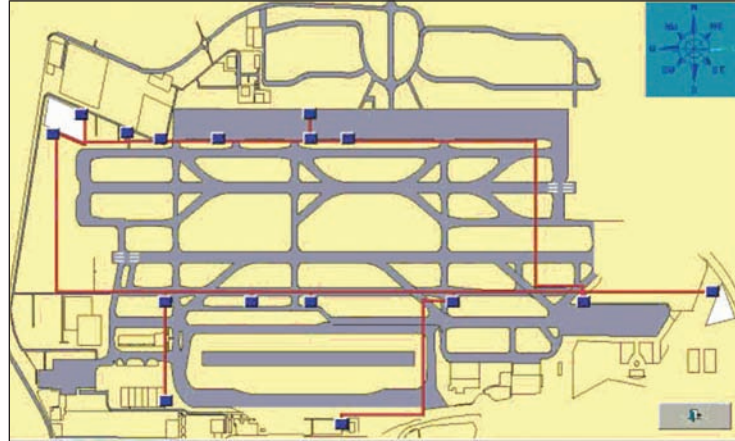
### About the Customer

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

Pump Station 'C' RTU#02 Status		Comms Route: Primary - Line 1	Polling
Last POLL:	OK	RTU Watchdog:	OK
RTU Watchdog:	OK	RTU Communication Statistics:	OK: 1, Fail: 1
PS1 Supply Voltage:	1.00	Auxiliary 24V:	OK
PS1 Battery Current:	1.00	Battery Low:	NO
PS1 Supply Current:	1.00	Battery Charging:	OFF
PS1 Module Temperature:	1	Main Supply:	OK
PS2 Supply Voltage:	1.00	Auxiliary 24V:	OK
PS2 Battery Current:	1.00	Battery Low:	NO
PS2 Supply Current:	1.00	Battery Charging:	OFF
PS2 Module Temperature:	1	Main Supply:	OK

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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