

CASE STUDY



Kingfisher SCADA System Supports WIN Television's Growth

WIN Television is the world's largest privately owned regional television network and Australia's number one. WIN reaches more than 5.2 million viewers across six states of Australia and the nation's capital through its 24 wholly owned and operated television stations. Its transmissions span the largest geographical area in the world, from Cairns to Hobart, South Australia and all of Western Australia from Albany to Kununnurra.

Since it began broadcasting in Wollongong with one station in 1963, the growth of the WIN Television Network is one of Australia's greatest success stories. Bruce Gordon acquired control of the company in 1979 and initiated a period of growth which has seen the network spread across the country.

The WIN Network covers an area greater in size than Europe. WIN's expansion into South and Western Australia increased the total potential audience to over 5 million people. Each state has its own master control.

Action Controls was awarded a contract to upgrade the existing Queensland and New South Wales systems with Kingfisher RTUs and Citect (SCADA) at the top end. The project value exceeded A\$250,000.

The Challenge

The goal was to provide a dual state control and monitoring system with time-stamped event-logging capability. The Citect project was to be developed as a single project (to mirror each other) for back up and redundancy purposes. Paging of critical alarms, event log management, and remote access of Citect via dial-in was also involved.

The master RTUs are located in Wollongong and Rockhampton. These systems have been configured to dial in to each other to get an up-to-date picture of the other state's transmission system, or they can dial each remote station directly. Future expansion of the system has also been allowed for.

Kingfisher RTU Solution

All outstations (in both states) communicate to the master via PSTN or GSM (mobile) modems. The master RTUs have the capability to communicate via radio network. This feature is to be implemented in Phase Three of the project. Event logging management is controlled from the master RTU. The logs are uploaded on any occurrence of communication between a master and an outstation.

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