



## Key Benefits

- Remote Monitoring
- Increased information to the gatehouse
- Increased visibility of data to engineers
- Continuous recording for historic trending
- Easy to use, informative and intuitive interface

Eye to the future | Window on the world

## Summary

The system monitors an effluent plant comprising of a surface water tank, surface water lagoon and emergency lagoon. Measurements were made of: dissolved O<sub>2</sub>; heavy metal content; levels; pump states; and aerators.

As the signal transducers needed to be distributed throughout the plant, the best way to deliver the measurements to Prodigy was to make use of radio telemetry interface units. This also allowed the data to be transmitted to both a local Prodigy system and a second system ¾ mile away. Using Prodigy Remote Workstation over the customer's world wide network, the data was also made available to 6 remote engineers, the Health and Safety department, and to the local security officers in the gatehouse.

All users were given access to a set of mimic displays to allow them to visually see the levels in the tanks and lagoons, and the states of the various pumps, aerators etc. The signal data was also recorded to the hard disk and made available on a set of trend displays, so that changes over any period of time could be easily viewed.

## Equipment Used

- 2 x Intel based Pentium PCs using Microsoft Windows NT 4
- 2 x RX8100 XNET Receivers with communications interface
- 1 x TX8100 XNET Transmitter with Analogue and Digital Expansion Modules



If you would like to find out more about this application, please contact the sales office who will put you in touch with the original Systems Integrator.