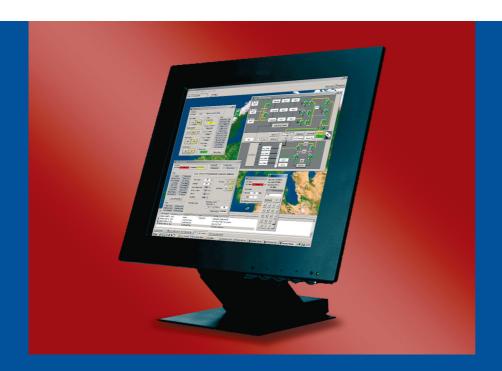# 'ZEUS' Remote Control and Monitoring

- Zeus is a Remote Control and Monitoring system which provides a comprehensive user interface enabling the operation of complex communications equipment remotely. Using SNMP, serial interfaces or a Web browser to communicate with satellite, microwave or broadcast equipment, a complete system map is compiled with all detailed operating parameters. This essential information is provided to the user in a clear graphical interface available over telephone or LAN networks.

Applications

- Microwave Network Management

- Broadcast and Telecommunications Satellite Earth stations

- TV Broadcast Transmitter Networks

V I S L I N K
COMMUNICATIONS

Specification

ZEUS is a flexible RC&M solution providing two independent user interfaces: an SNMP client and a Web client.

SITE CONTROLLER

Each remote site contains a site controller – this acts as a central data store, gathering data from all controlled units at that particular site.

The site controller provides data for the SNMP and Web clients, situated at the central operations and control centre, and provides an SNMP interface so that the system can be easily integrated into an existing hierarchical network management system (NMS).

The site controller can communicate locally through serial or SNMP interfaces.

SNMP CLIENT

Dedicated client software allows remote control and monitoring of any SNMP enabled hardware. Non-SNMP enabled hardware can be controlled through the use of protocol converters.

Data is obtained from a number of different site controllers therefore enabling multiple, geographically remote sites to be controlled and monitored at the same time. This provides the user with a single screen giving the statuses of a large number of remote sites.

WEB CLIENT

The Web client requires no dedicated software to install on the client PC – a standard Internet browser (e.g. Netscape Navigator or Internet Explorer) is all that is required. All data is downloaded through the network link from any of the site controllers.

FEATURES

Both the SNMP and Web clients are feature rich including:
- Event logging
- Multiple user levels and access rights
- Email alerts

NETWORK TOPOLOGY

Connection between the client administration /operation and control centre and the remote Site Controllers is over an IP link therefore any suitable transmission media can be used such as Ethernet, Microwave links and modems.

Connection between the site controllers and the equipment racks is via an IP link, where this is not possible, in the case of serial controlled units, the signals are converted from Ethernet to serial at the equipment racks.