



## NetMan Works for WPD

Western Power and Radius prove a winning formula in power distribution

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### POLE POSITION FOR RADIUS EQUIPMENT

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### HIGH VOLTAGE NETMAN

WPD have installed and operated Radius NetMan systems for network automation since 1998. Radius has been working directly with WPD with integrating and maintaining the NetMan data radio telemetry equipment which is used to monitor and control High Voltage equipment across its vast network. The NetMan data radio telemetry system integrates directly in to the main WPD SCADA systems providing seamless control of all their secondary distribution equipment.



### RELIABILITY IN THE FIELD

“One reason for this long standing relationship is that Radius equipment is very reliable, particularly considering the environment that it operates in. What is impressive is the continual development of the NetMan systems hardware and software platforms in relation to system integration and radio networking functionality and the customer focus applied to the development of the equipment.”

One of the newer units deployed by WPD is the NMS 100 which offers an intelligent remote control system that not only monitors but can also control up to three High Voltage switches/disconnectors. The NMS 100 actuator has advanced features which enable the users to have peace of mind since the system automatically sectionalises the HV network under fault conditions. This is an important aspect since all faults on the network must be reported to the UK governing regulator OFGEM. So every second counts.

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### VERSATILITY IN CONTROL

The NMS 100 is designed to control a range of motor or magnetic actuator controlled switchgear and has been used extensively with the WPD network on both ground mounted and pole mounted applications.

### HIT AND RUN FUNCTION

WPD have been impressed with many of the functions the NMS 100 has to offer but pay particular credit to its ‘Hit and Run’ function. This allows the user to select a local switching operation, which can then be delayed by a configurable time, to allow the operator to move safely away from the equipment.

A spokesperson for WPD states; "Radius develop highly robust packages that not only communicate with its own system, but can be adapted to run with numerous other communication packages".

The NetMan group of products also offers a monitoring system for the entire network, which relays information continuity back to WPD control centres. The NetMan and SCADA systems incorporated into the WPD network allow operators to seamlessly remote control and operate the network, from central points reducing the cost of additional support teams out in the field.

## BENEFITS

- Remote Control
- Intelligent Motor Control Protection
- Ability to integrate earth fault indicators
- Event Triggered Communication
- Deep Discharge Protection
- Battery Conditioning

## CABINET

- Material - Stainless Steel
- Size - H400 x W400 x D210 mm
- Weight - 25kg
- Classification - IP 64
- Temperature Range - -40°C to +60°C

## BATTERY

- 2 x 12V, 12 Ah rechargeable batteries
- Charging Current - 2.5 A
- Current Consumption - 0.14 A DC

## STANDARDS

- FCC Rule Parts: 90.210
- ETS 300-220/ UHF High 300 - 113
- ETS 300 - 683
- MPT 1329, MPT 1411
- LVD 72123 / EEC (93/68/EEC)

In cooperation with:

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Do you want to know more about Radius?  
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