BROCHURE

FEATURES AND BENEFITS

- Manages the control of your networks peak loads to ensure your networks peak loads are in line with your requirements.
- Highly informative dashboards and extensive configurable reporting
- Details your load shedding activity for management reporting
- Integrates with SCADA, meters, PLC's and other control systems
- Smart targeting, ensures automatic adjustment of targets if devices are turned off
- Configurable to multiple devices across multiple control groups
- Full visibility and reporting on events, actions taken, and the outcomes
- Configurable email alerts for a range of events
- Multiple logins allows for configurable levels of permission and access depending on individual requirements

Quasar Control Utility

From the range of Quasar Control solutions, Quasar Control Utility (QCU) is a powerful, highly flexible 'Control Engine' providing intelligent control of your networks' infrastructure. QCU puts you in control of your network and provides you with an intuitive and easy to use interface backed by industry leading functionality.

QCU load control software is designed specifically for networks to manage their peak loads. It is powerful enough to manage even the largest network, whilst being agile enough to be used to manage single substations.

Controlling loads can be highly beneficial where your network capacity is constrained, or you are participating in part of a regional load control program.

Quasar Control Utility Dashboard Menu and Charting

How it Works

QCU provides you with the tools and information required to be able to make decisions affecting your network. QCU can be used to automatically shed selected loads to reduce peak loads on your network.

QCU integrates with your existing SCADA or control systems, and provides a signal when conditions are right to turn load off or restore the load to meet requirements. The system uses configurable rules (algorithms) to switch loads. Rules are set-up at the time of commissioning and can be left to operate automatically or can be changed or modified as often as needed. QCU will not compromise your network quality, as you set limits to ensure that network variables such as minimum on time periods are never breached.

Quasar Control Utility is available at 3 levels to suit your business.

	QCU-02	QCI-06	QCI-15
Controlled Substations[1]	2	6	15
Communication - Modbus	✓	✓	✓
Communication - DNP 3.0	✓	✓	✓
Communication - OPC and other protocols	Optional	Optional	Optional
Utility Rules Library	✓	✓	✓
Data Interface DNP3 Protocol (licensed for 1 external system)	✓	✓	✓
Data Interface Modbus Protocol	Optional	Optional	Optional
EM6 Live integration	Optional	✓	✓
Redundant Communication	Optional	Optional	Optional
Redundant Failover and Health Status	Optional	Optional	Optional
System and/or Communication Redundancy	Optional	Optional	Optional

[1] Systems with more than 15 substations are available on request

Dashboards The dashboards have been designed to be user friendly and easy to navigate, and are completely configurable and enable quick access to all parts of the software. When not logged on, the dashboards will automatically display as a slideshow.

Reporting The reporting tool provides a range of scheduled and ad-hoc reporting that is easily tailored to suit the site requirements. These reports can be viewed, saved or emailed automatically as required. The Reporting Package Compiler can pull together all the reports you want, along with external documents into a user defined format that enables ease of reporting. Once set up, the Report Compiler minimises the effort required to produce regular presentable reports to the respective audiences. All of the reports and data are easily exported to other programs if required.

Security QCU has password protection using military grade encryption to ensure the integrity of this critical function of your network is protected.

Data Interface The Data Interface feature allows a mapping to be configured such that Quasar Control will behave as a slave device to another system, such as a SCADA. This might be used, for instance to accept a target from another system. It also allows the health, status and measurements from Quasar Control to be shared with other systems such as SCADA or Building Management Systems.

Data Recording This feature allows for the integration and recording of any external inputs into the system for reporting purposes. This could be in the form of weather inputs, from an onsite weather station.

Load Target Modeller The Load Target Modeller forms the basis for load management calculations, decisions and load shed or unshed actions. The model consists of 48, 30 minute targets for each day of the week. During each 30 minute interval, QCU will assess and forecast the load on your network and according to filters and rules, control the loads as required. The modeller enables you to set up different models depending on your requirements, for example you can have models set for different seasons.

Utility Rules Library
The software utilises the Utility Rules Library, which gives you the ability to apply any combination of targeted or logical decision rules. This ensures that you can configure the rules so they are 'smart' and react accordingly to the logic and targets set, and can be set to include historical data and external inputs. Rules can be set at a network or substation level. The Utility Rules Library includes the Instantaneous Target Rule and Interval Demand Rule, and customised rules can be developed as required.

EM6 A feed from EM6 can be incorporated into Quasar Control Utility (QCU-06 and QCU-15) to ensure the latest market information can be used for decision making if required.

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