

Electrical monitoring solutions

KARYBEL's Power Quality Monitoring (PQM) solution offers a range of features to assist the "industry" and utility with power quality related issues. The PQM converts raw data into useful information for:

Weekly, monthly and annual reports based on the region approved regulatory standards e.g. EN50160

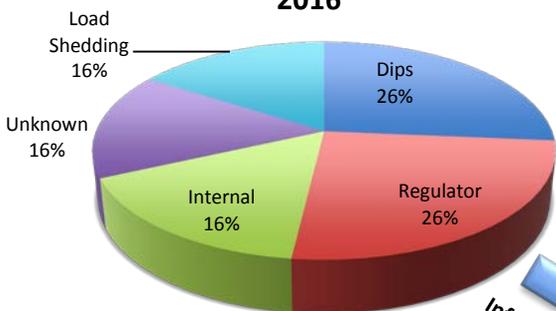
Characterisation of network performance. Simultaneous Voltage (supply) and current (load) characterisation

Correlation of events to causes (Dip to trip matching, transients)

PQ data and events perfectly time synchronized by GPS

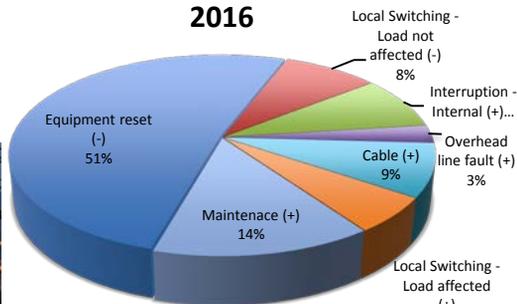
Determination of transformer derating and prediction of transformer temperature

Dip/Swell analysis - July 2015 - June 2016

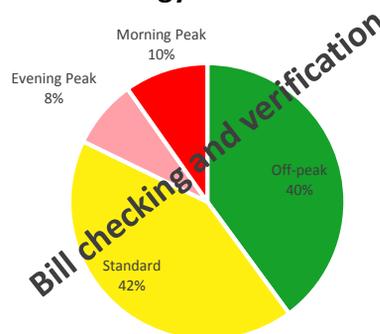


Information to management

Internal events - July 2015 - June 2016



Active Energy Distribution



Manage, maintain and improve service delivery of electricity

Quality of Supply (QoS) to customers and municipality and Quality of Use by customers and municipality

QoS Non-conformance/ dispute management and the route-cause-analysis

Power flow analysis with micro-synchrophasor technology



Monitoring possibilities

Design and implementation of optimal monitoring configuration

Periodic analysis of measured data

Event analysis

Advice on all power quality parameters and events

Implementing solutions

Time synchronised multi-point analysis (X-trigger)

End-user contracts management

Maintenance planning and prioritisation – predictive maintenance

Implementation of cost saving measures and increase reliability of supply

Power Quality instrument and data management

Online sharing of data with different stakeholders

Strategic placement of Power Quality meters

Monitoring advantages