



Power Quality Analysis on Low Voltage electrical systems

The impact of poor power quality

Are you experiencing harmonic distortion problems after changes, like a retrofit, to your installation? Poor power quality results in extra costs due to excessive energy use, unscheduled stops, increased maintenance, and replacement of components that have aged too quickly. End use equipment, such as automation systems or computers, have become more sensitive to disturbances in the power quality that arise both on the supplying power system and within the electrical system. Furthermore, equipment is more interconnected in networks and industrial processes so that the impacts of a problem with any piece of equipment are much more severe.

Highlights:

- ✓ Calibrated measurements
- ✓ Minimize unexpected downtime
- ✓ Minimize energy losses
- ✓ Prevent lifetime reduction of electrical equipment
- ✓ Measurements during operation
- ✓ Fast measurements of high speed transients
- ✓ Report including recommendations for corrective measures
- ✓ Bakker Sliedrecht can take care of complete power quality mitigation
- ✓ Power quality analysis can be part of a predictive maintenance program



Analyze your power quality to discover disturbances

Bakker Sliedrecht can analyze the power quality of your electrical installation by performing measurements during operation to identify disturbances. These disturbances can take many forms ranging from: harmonics, voltage sags/swells/ unbalances, flicker, and transients etc. Our specialized measurement equipment enables us to accurately monitor and record voltage, current, power, harmonics and many other relevant parameters. Short term testing can be used to record the behavior of specific equipment. Long term testing can be used to record ongoing power quality parameters and detect intermittent electrical supply issues.

Cost-effective power quality power mitigation

Analyzing power quality is an effective way to identify electrical disturbances without having to shut down the system. Once disturbances have been identified, Bakker Sliedrecht can advise and implement cost-efficient solutions for power quality mitigation. We can make sure that the power quality level is compliant with standards that are required by classification. The investments for solving power quality issues often have a quick return on investment.