



POWER QUALITY

DETECTION / MITIGATION / CORRECTION



POWER SURVEY

ABOUT POWER SURVEY

At Power Survey, we distinguish ourselves by our strong and solid expertise in power quality detection and correction. We specialize in the manufacture of high-end **Power Factor** and **Harmonic Correction** equipment to improve the power efficiency of electrical networks. We are constantly looking for new products and solutions to meet current and future challenges of the industries.

Our wide range of **Low & Medium Voltage Capacitor Banks** and **Harmonic Filters** is designed by our team of highly qualified expert engineers to correct adverse conditions that have a negative impact on industries operating sensitive and automated equipment.

Our level of expertise extends to the measurement, analysis and diagnosis of electrical networks with our advanced **Detection Services**.

Power Survey is recognized in the industry for the **high quality** of its equipment and for its continuous investments in **production innovation**.



A MAJOR FINANCIAL IMPACT

The growing trend towards advanced technologies like **Intelligent Industrial Systems**, **Energy Efficiency Upgrades** and **Distributed Energy Resources (DER)** is leading to an escalation of power quality issues.

Power quality issues are a significant, hidden economic burden on commercial and industrial companies. Poor power quality can translate to many problems, such as :

- Production downtime
- Equipment damage
- Shortened equipment life
- Higher operating costs
- Increased energy costs
- Safety hazard

MAIN BENEFITS

Power Factor Correction

- Reduces financial penalties
- Allows to only pay for REAL POWER usage
- Improves the Carbon Footprint
- Increases the equipment lifespan

Harmonic Filtering

- Reduces premature wear due to overheating
- Helps prevent downtimes and delivery delays
- Allows higher production output
- Avoids unnecessary equipment upgrades

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Ensuring that your power factor is optimal and your electrical network is delivering optimum power is a fast and efficient way to enhance your competitiveness.

POWER SURVEY IN NUMBERS

5,000+
correction projects

50,000+
detection solutions

70+
years of experience

“ Our **power quality equipment** is installed in the world's largest and most demanding companies.



DETECTION & SERVICES

PQube® 3 - Specific Measurement

Designed to diagnose power disturbance and quality issues in facilities, the PQube® 3 is available for short-term analysis.

PQube® 3 - Data Analysis

Allows facilities to read and detect real power conditions of the network, using the PQube® 3 monitor. The data received is analysed by our team of experts, and a complete report with recommendations for correcting the detected issues is provided.

Power Network Analysis

Consists in a variety of technical services including network audits, power flow simulation, harmonic studies, and arc flash & short circuit calculation.

Commissioning & Start-up

Combines basic operating and maintenance training.

Preventive maintenance

Regular maintenance plans available to ensure proper operational conditions of the equipment.

CORRECTION EQUIPMENT



POWERCAP

480 & 600 V
up to 400 kVar

Fixed capacitor bank

- ✔ Power factor correction
- ✘ Harmonic mitigation

For defined individual loads

Predominantly for individual motor loads and companies with a limited number of large motor loads.



POWERVAR

480 & 600 V
up to 1200 kVar

Automatic capacitor bank tuned/detuned filter

- ✔ Power factor correction
- ✔ Harmonic mitigation

For variable loads

Intended for small, medium and large industries, commercial and office buildings with variable loads such as motors, HVAC and compressors.



PSAF

480 & 600 V
up to 1500 kVar

Active harmonic filter

- ✔ Power factor correction
- ✔ Harmonic mitigation

For non-linear loads

Ideal for industries operating VFD/VSD, LED lighting and more.



POWERVAR MV

5 to 38 kV
up to 50 MVar

Automatic capacitor bank & detuned filter


- ✔ Power factor correction
- ✔ Harmonic mitigation


For large industrial loads



Custom designed for electric utility application and large industrial facilities with pumping and heating systems, hoists, welding operations and more.



YOUR POWER QUALITY EXPERT!

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