

ENERCONTROL

Energy Control Simplified

Enercontrol Systems – is a dedicated energy control and power quality solutions provider for achieving improvement in energy efficiency and power quality in your network. The company's vision & mission is to be the most preferred solution provider for energy & power issues. We are proud to offer products from the following world class manufacturers:

 **emotron** – VFD & Softstarter (<http://www.emotron.com/>)

 **ABB** – Dry-Type distribution Transformers
– Low Voltage Capacitor Bank Components
– Medium Voltage Surge Arresters

 **COMSYS** – Active Harmonic Filters & STATCOM

ACTIVE FILTERS FROM COMSYS SWEDEN

Engineered and manufactured in Sweden, ADF technology will help you comply with your industry's power quality regulations, maintain equipment warranties, and avoid symptoms of poor power quality.

LV CAPACITOR BANK COMPONENTS FROM ABB S.A. BELGIUM

ABB Belgium is a niche producer of low voltage power capacitors stressing product quality and cost competitiveness. Products include:
– 3 Phase dry type capacitors (cylindrical & box type), Reactors, PF Controllers

Electrical Solutions

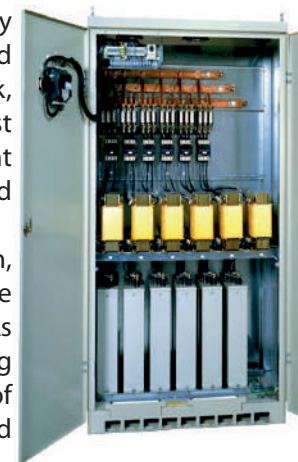


MEASUREMENT, ANALYSIS & CORRECTION OF SYSTEM ANOMALIES

Most critical part of Power Quality improvement process is to identify and diagnose the problem in the network, rightly. In order to achieve this, we can assist with (i) Carrying out harmonic measurement at site. (ii) Performing Analysis of measured harmonic data.

Based on evaluation of data, we can Design, Manufacture & Supply appropriate mitigation systems such as Capacitor Banks and /or Passive/Active Filters etc. including installation, testing & commissioning of supplied equipment at site and demonstration of results.

Our employees are our strength. Key members of our team, having worked with various European Multinational specialist manufacturers of Power quality improvement products & systems, bring-in a vast professional experience in the filed of Power Quality solutions. We are equipped to support you in solving any complex problems in your network.



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- Power Factor Correction
- APFC Panel & Components
- Harmonic Mitigation
- Measurement & Analysis
- Line Reactors
- VFD & Softstarter
- Dry-Type Distribution Transformer
- MV Surge Arrester





CUSTOM TURN KEY SOLUTIONS

Our team of dedicated engineers offer a wealth of experience in all aspects of design, manufacture and installation. We are available to offer hands on advice and offer turnkey end-to-end solutions for entire projects - concept & design through to installation and commissioning.



L.V. SWITCHGEAR & CONTROL PANELS

We are also engaged in Retrofits, Designing, Manufacturing, Testing, Commissioning & troubleshooting of a wide range of Low Voltage Switchgears and control panel systems. We offer a range of superior quality electrical panels, which are manufactured by us using material designed as per benchmark standards guaranteeing high performance, reliability and durability.



SUPERVISION OF INSTALLATION, TESTING & COMMISSIONING

Our team of professionals will support you for your all needs of site services by providing most professional quality support in supervision of installation, testing & commissioning.

DRY-TYPE DISTRIBUTION TRANSFORMER FROM ABB SPAIN/SWITZERLAND



We are able to offer a full range of dry-type transformers of ABB, built according to all major standards including IEC and ANSI.

To minimize environmental contamination and fire hazard, customers are specifying dry-type transformers more frequently. These transformers meet strict parameters with respect to electrical system demands and functioning in areas with extreme climatic conditions.

ABB's dry and cast transformers are virtually maintenance free and are manufactured in accordance with industry and international standards.

VFD & SOFTSTARTERS - EMOTRON SWEDEN

We are the sole authorised sales & service channel partner in the GCC for the Variable Frequency Drive – Emotron.

The manufacturer, Emotron now named as CG Drives & Automation has their production and testing facilities located at the head office in Helsingborg, Sweden. They have been supplying VFDs around the world for more than 35years with constant R&D incorporating cutting edge technology such as Direct Torque Control(DTC).



MV SURGE ARRESTERS FROM ABB SWITZERLAND



ABB Switzerland Ltd. produces high-grade metal-oxide surge arresters for use in metal-encapsulated switchgear as well as for use in distribution networks for the protection of overhead lines, cables, stations, transformers, generators, capacitors and for the protection of motors and components of power electronics and secondary equipment.

The surge arresters limit harmful overvoltages, which are generated in the network by lightning strikes or switching actions thus improving the availability of the power supply. The surge arresters fulfill special high requirements regarding ambient conditions, energy handling capability, protection level and stability in service.

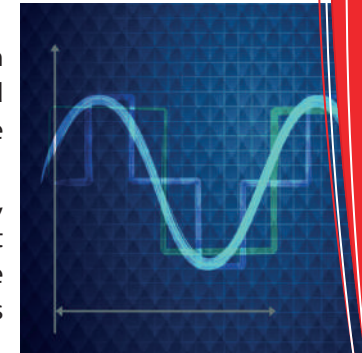
OUR PQ CONSULTING PROVIDES A TOTAL END TO END SOLUTION.

flexible solutions for all your power system needs

HARMONIC MEASUREMENT AT SITE AND ANALYSIS OF RESULTS

The most important criterion in understanding the nature of problem related to PQ in a system is to measure and analyze the harmonics.

With our 25+ years of experience in the field, we can assist you in measuring the data at appropriate points in your network, analyze the data and recommend suitable solutions for your network.



Cutting-edge Technology at work for you

ENERGY SAVINGS & MAXIMUM KVA UTILISATION

By Power Quality improvement, the total current consumption can be reduced by pf correction thus providing direct returns.

- Improve System Efficiency by reducing the load current , inturn the system losses
- Utilise the full potential of the distribution transformer by bringing down the load kVA
- Avoid penalties by utilities on account of maximum kVA demand charges.
- Supports system voltage stability

