



# SECUTECH

## SYSTEMS AND SOLUTIONS

**ELECTRONICON**  
*always in charge*

Power Capacitors &  
Power Quality Components

**DELTA**  
Active Harmonic Filters, UPS



Precise Electricals  
Current Transformers

**a-eberle**  
Power Quality Disturbance Recorder

**LED LIGHTS**  
LED LAMPS & LED FIXTURES

## About Secutech

Secutech is a professional " one-stop solution provider " for Electrical, Control systems, Energy Management & Energy Audit. We have highly qualified engineering & support team for installation & implementation process at back end.

We are a South India's Authorized Channel Partners and system integrator for below range of products.

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### Electronic

Capacitors, Reactors, Detuned filters, Thyristor switching modules, Passive Harmonic filters and Power factor controller.

### Delta

UPS, Active Harmonic Filters etc,

### Precise Electricals

Dry Type lighting, Welding Transformers, Current Transformers, CT Operated Relay & Air circuit Breaker CT, Harmonic filter (chokes) Etc.,

### A-eberle

Power Quality Disturbance Recorder

### Solar Projects

OFF - Grid, ON - Grid and Hybrid

### LED Lights and Solutions

LED Lamps - Bulb & Candle, LED Spotlights, Tube & Batten and Special Lamps.  
LED Fixtures - Commercial & Residential and Industrial & Outdoor Types.

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We are glad to inform you that, we conduct the POWER STUDY, POWER FACTOR CORRECTION SYSTEM and HARMONIC MITIGATION SYSTEM with the help of class A power quality Analyzer's as recommended by the utilities.

We have well experienced engineering can able to provide the complete detailed reports after conducting the necessary studies at customer's premises which helps to overcome from the existing hazards.

We have the Technical department with knowledge of Electrical & Electronics in component level. In addition to that, ourselves we are very strong in Technical, it emerge us to successfull of testing completion of the complicated issues in industries

## Single and Three-phase Power Capacitors



From standard reactive power compensation to ultra-heavy duty harmonic filtering: we have the special rating and design for you.

- ▶ 275 MKPg gas filled
- ▶ 276 MKP(D) oil filled
- ▶ E62-3ph AC Filter
- ▶ 280 MKP UHD oil filled

## Thyristor Switches

The intelligent switch allows for immediate response to rapidly changing reactive loads, with no harm to the capacitors.

- ▶ Thyristor Switch



## Detuned Reactors



Less and less capacitor banks nowadays can do without reactor protection. Our reactors are optimized for low power losses and high linearity, to keep operating cost as low as possible.

- ▶ FK-Dr Cu/Alu

## Automatic Power Factor Controllers

The brain of your capacitor bank is as important as the capacitors themselves. We make the scope of our offer perfect with models by two of Germany's finest manufacturers.

- ▶ CR2020/CR2020D
- ▶ PFR-X



## Discharge Reactors



There are various ways of discharging a capacitor. Discharge reactors offer the fastest discharge with minimized power losses.

- ▶ EL-Dr Discharge Reactor

## Capacitor Banks and Modules

The inventors of modular power factor correction. We supply the components, they do the solution. Check out the program of our sister company SYSTEM ELECTRIC.



## ACTIVE HARMONIC FILTER



### PRODUCT FEATURES

- ▶ Multifunctional: Harmonic, reactive power and imbalance compensation
- ▶ High harmonic filtering rate: Up to 98%
- ▶ Excellent reactive compensation: High speed, Precise ( $-0.99 \leq PF \leq 0.99$ ), Step-less, Bi-directional (capacitive and inductive) compensation
- ▶ Excellent imbalance correction: Both negative and zero sequence, mitigates neutral current
- ▶ Wide input voltage & frequency range, adapts to tough electrical environments
- ▶ Low thermal loss ( $\leq 3\%$  of rated APF kVA), efficiency  $\geq 97\%$
- ▶ High stability: Infinite impedance to grid, avoids harmonic resonance problems

- ▶ Flexible application: Modular design, embedded in standard or customized cabinet
- ▶ Easy installation and maintenance: Plug-in installation for APF module replacement and expansion
- ▶ Wide capacity range: 50A~525A for a single cabinet, up to 10 cabinets in parallel
- ▶ Environmental adaptability:  $-10 \sim 50^\circ\text{C}$  temperature, compatible with diesel generator
- ▶ Complete protection: Grid Over/Under voltage, APF over current, over temperature, and more. All faults are recorded in the event log, which is convenient for failure analysis

### UPS Modulon Family



The Modulon family has modularization architecture for power rating requirements above 20kVA and supports datacenters, mid-large network equipments, data storage centers and financial balance centers.

### UPS Ultron Family



The Ultron family are three-phase UPS systems for power rating requirements above 10kVA that support mission critical applications including industrial equipment, datacenters, traffic control facilities, broadcast stations and backbone networks.

### UPS Amplon Family



The Amplon family are single phase UPS systems for power rating requirements above 1kVA that support medium to small network devices, security and surveillance systems and POS systems.

### UPS Agilon Family



The Agilon family are single phase UPS systems for power rating requirements under 1.5kVA or higher, that can support PC products, peripherals and small POS systems.

## Network Analyzer & Transient Recorder PQ-Box 200



### Application:

- ▶ PQ-Box 200 is a high-performance, portable network-analyzer, power meter and transient recorder. User-friendliness was one of the main topics during development.
- ▶ The mobile device has been developed for mobile operation (protection degree IP65). It is applicable for measurements in public networks (CAT IV) as well as for measurements in industrial environment up to 1000V measurement voltage.

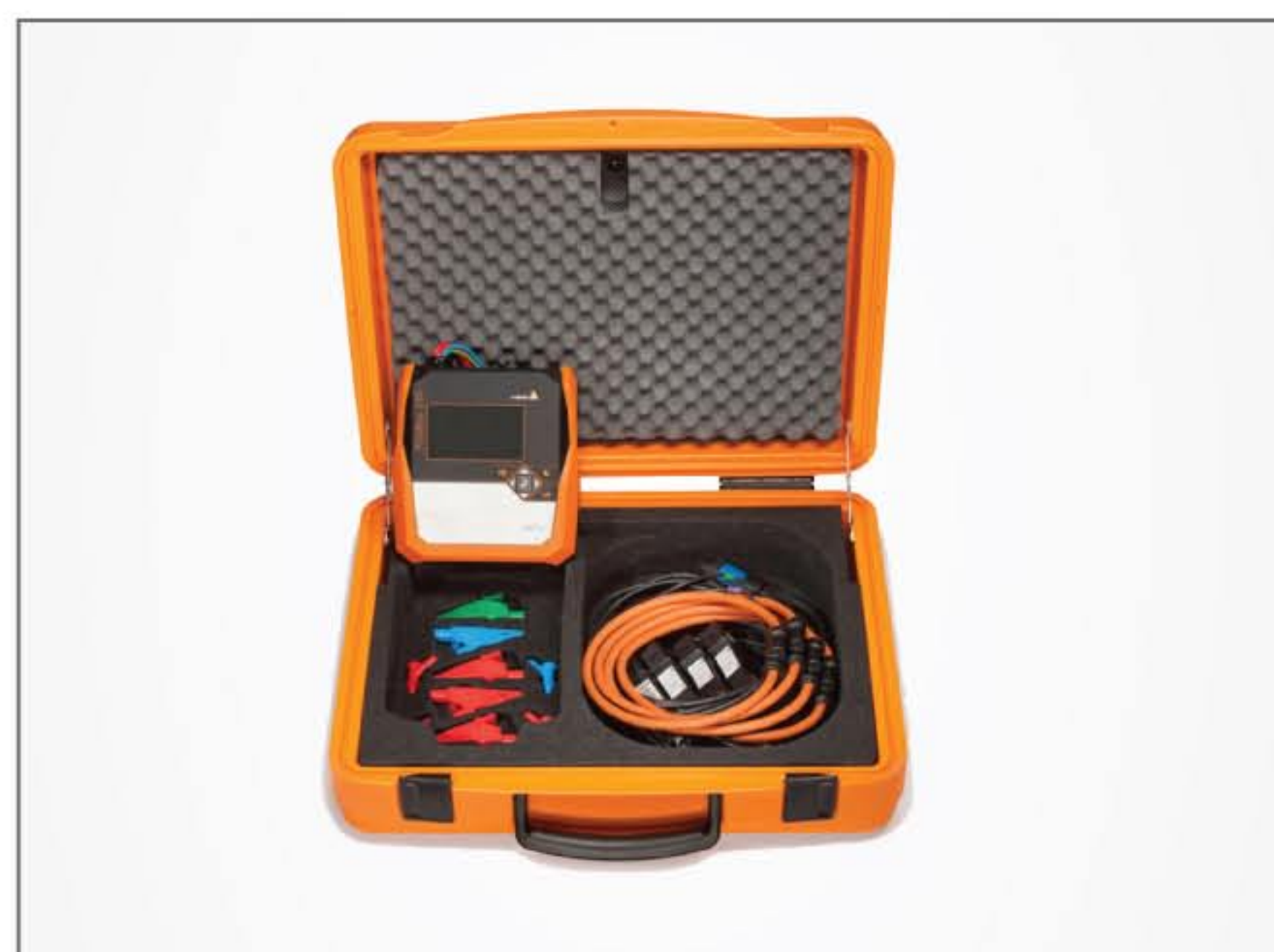
### Characteristics:

- ▶ Measuring of 5 currents possible (PE current or temperature sensor)
- ▶ Sampling of voltage and currents with 41 kHz
- ▶ Binary input for external trigger
- ▶ Option: Transient measuring card 2 MHz ( + / - 5.000V range)
- ▶ Up to 32 GByte memory (4 GByte as standard)
- ▶ FFT calculation up to 20 kHz
- ▶ 2 kHz to 9 kHz - FFT according to the latest standard IEC61000-4-7
- ▶ TFT colour display
- ▶ One software for PQ Box 100 and PQ Box 200
- ▶ All current clamps for PQ Box 100 are suitable for PQ Box 200

## PQ-Box 200 meets 100% the demands of IEC 61000-4-30 (2008) standard for a class-A device:

### Class A for:

- ▶ Accuracy of voltage measurement
- ▶ Determination of time intervals
- ▶ Marking of measurement values at events
- ▶ Harmonics, interharmonics
- ▶ Flicker
- ▶ Frequency
- ▶ Voltage asymmetry
- ▶ Event recording
- ▶ Time synchronisation



**Power Quality Analyser PQ-Box 150**



**Power Quality-Interface and Disturbance Recorder PQI-DA smart**



**WeSense™ measurement system**

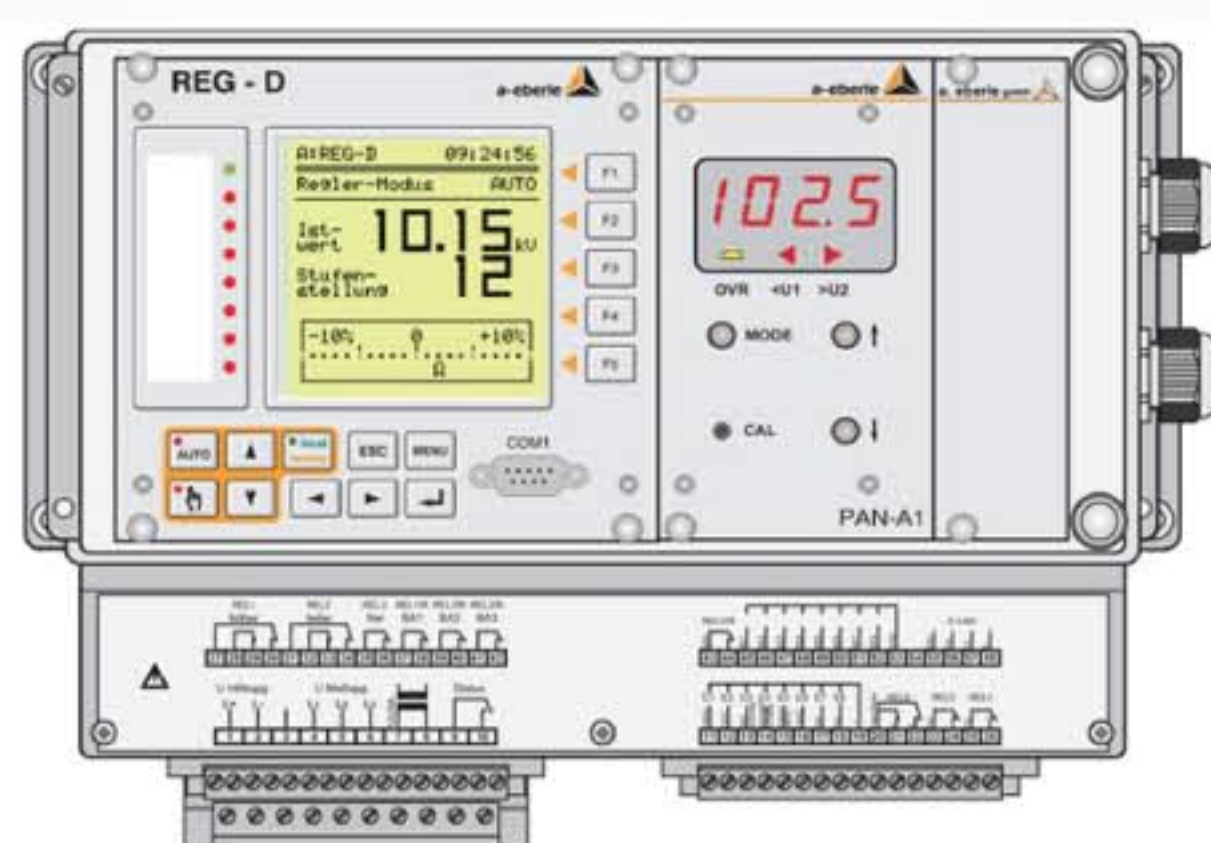
### Voltage Regulator REG-D™



### Voltage Regulator REG-DA



### Voltage Regulator SR 192-D



### Transformer - Monitor Modul TMM



### LVRSys™ 70 kVA to 400 kVA



### Dynamic Monitor for Distribution Networks DMR-D



### Mobile damping analyzer DA-Box 2000



### Earth Fault Locating Relay EOR D



Glass filled ABS Molded Current Transformers



Voltage Transformer



Control Transformer



Dry type Lighting / Welding transformer

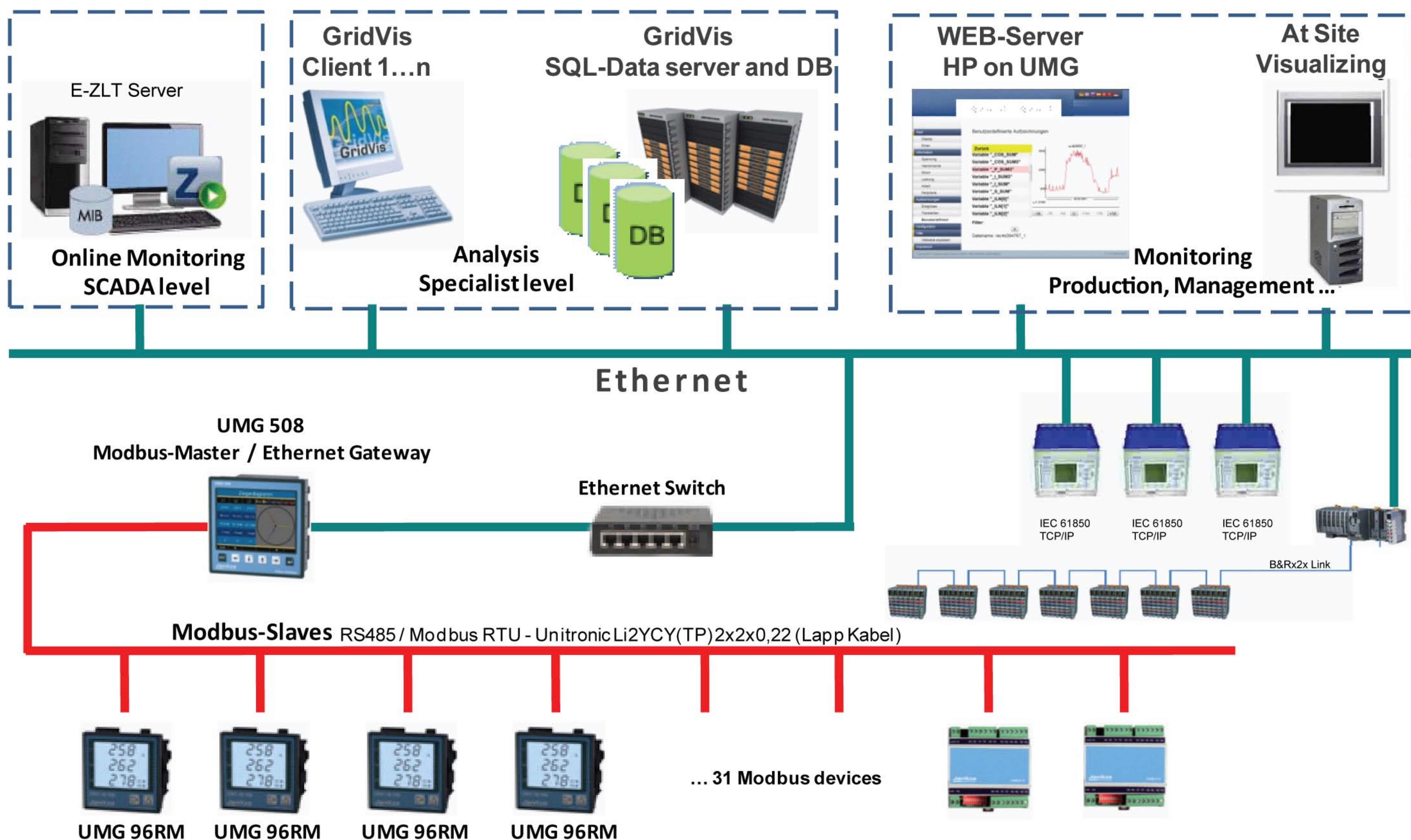


Chokes





# Energy Management System



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