

42TECHNOLOGY

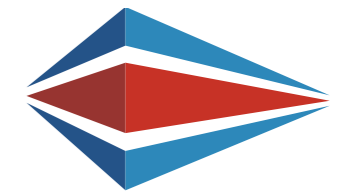


Switchboards and control panels

Synchronisation and feeder panels, local control and automatic transfer switch panels, bypass solutions, motor control centers, variable frequency drives, SCADA systems... Engineered solutions for your needs!

www.42technology.ch

**We support your energy needs...
and keep your lights on!**



42TECHNOLOGY



- > Switchboards and control panels
- > Gas engine accessories
- > Bi-fuel engine conversions
- > Water and fuel metering devices
- > Hot and cold energy metering systems
- > Engineered SCADA solutions

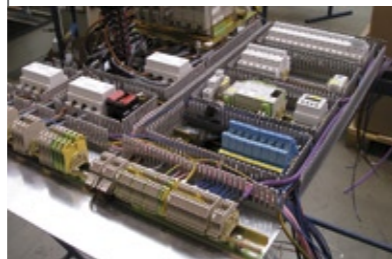
Local control panels

- > Automatic changeover in dual genset applications
- > Remote control and supervision via GSM network
- > Programmable fuel tank management routines
- > Logical PLC functions based on customer needs



Automatic transfer switch panels

- > Changeover switches or breakers with optional bypass circuit
- > Manual or automatic operation with optional draw out design
- > Motorised and microprocessor controlled solutions available



Parallel installations

- > Automatic synchronising and paralleling with vector shift protection
- > Power factor control, Power management and running hours equalisation
- > Base load, peak shaving, import/export functions and load shedding
- > Power plant control with bus tie synchronising and two Mains support
- > Total communication, history, statistics, charts and trends



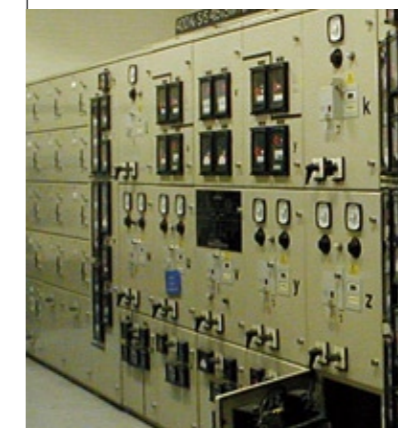
Cogeneration plants

- > Gas and bio diesel generating set control and management
- > Emission control and power optimisation on gas engines
- > Free programmable logics for complete plant management
- > Software for charting, trending and plant supervision

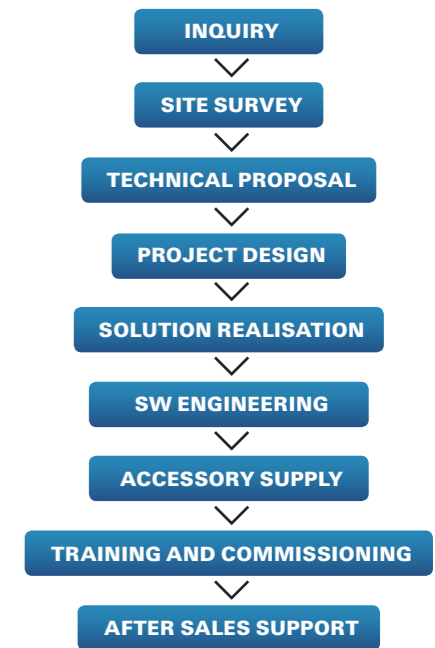


Feeder panels, distribution boards, motor control centers

- > Power outlet for main loads, electric motors and auxiliaries
- > Variable frequency drives, soft starters, approved forms (Prisma)
- > Design according to IEC 60439-1, form 1, 2a, 2b, 3a, 3b, 4a, 4b



Our services



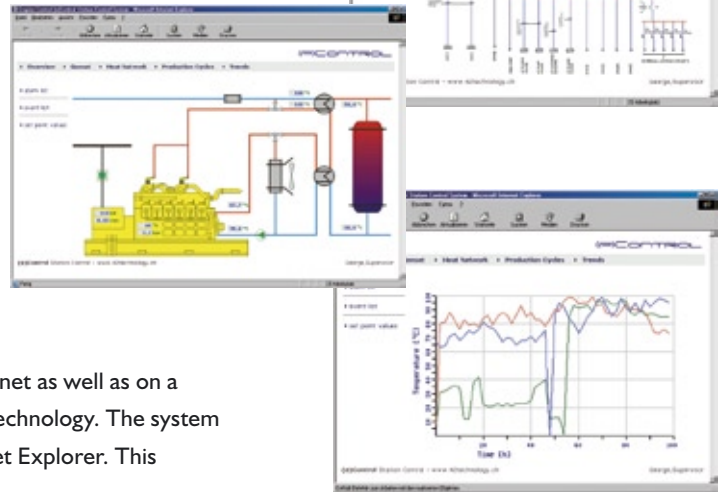
Special solutions

- > Direct communication interfaces for engine management systems
- > Engine, pump and compressor control panels and accessories
- > Remote control solutions via radio modems for all kind of applications
- > Small scale load banks for automatic genset loading in no load conditions
- > MV switchgear in combination with our synchronisation systems

SCADA software

(p)Control is a station control system for power generation sets. The system supports all ComAp controllers as IntelliSys and IntelliGen. It combines in an ideal way the functionality for plant monitoring and control of a variety of ComAp products such as WinEdit/MultiEdit, WinScope, IGS-LOG in one package, customised without overhead.

- > power station overview
- > graphic view of genset parameters
- > process images of the heat and cooling system
- > single line diagram of the auxiliary systems
- > alarm and event list
- > chart analysis
- > integration of WinEdit
- > remote access capabilities



(p)Control runs on touch panels mounted onto the local control cabinet as well as on a standard PC hardware. (p)Control is designed with state of the art technology. The system is operated by a standard web browser such as the Microsoft Internet Explorer. This approach offers a far range of access options.

Main component suppliers (others on request)

GENSET AND ENGINE CONTROLLER	ComAp
PANEL AND CABINETS	Rittal, Sarel, Himel
CIRCUIT BREAKERS	Schneider Electric (Siemens, ABB, Moeller, Terasaki)
SWITCHES	Socomec, Lovato; Bypass switches: Santon
CONTACTORS, MOTOR STARTERS	Schneider Electric
BUSBAR HOLDERS	Schmachtel, Siemens, Allen Bradley, MBS
BATTERY CHARGERS	Elteco, Computronic Control, Mascot
ANALOGUE METERS, CURRENT TRANSFORMERS	Weigel, MBS
RELAYS	Finder
TERMINALS	Weidmüller or Wago
CABLES	Czech manufacturers, Lapp cable
FREQUENCY DRIVES	Schneider Electric

Production standards

Our suppliers are TÜV and ISO 9000/2000 certified, apply the CE mark and manufacture according to the following main standards: IEC 60439, IEC 60947 and IEC 60364. On request we can manufacture our switchboards according to DIN VDE 0100, 0105, 0108 and 0100, part 710 where all our controllers comply to.

We provide support, commissioning, pre-and after sales service worldwide and train our partners and customers on the systems to ensure continuous quality on site. We will be pleased to have you as our valued customer.

CONTACT

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