

WE OPEN THE **WAY**
TO PUT OUR CUSTOMERS INTO THE **LEAD.**



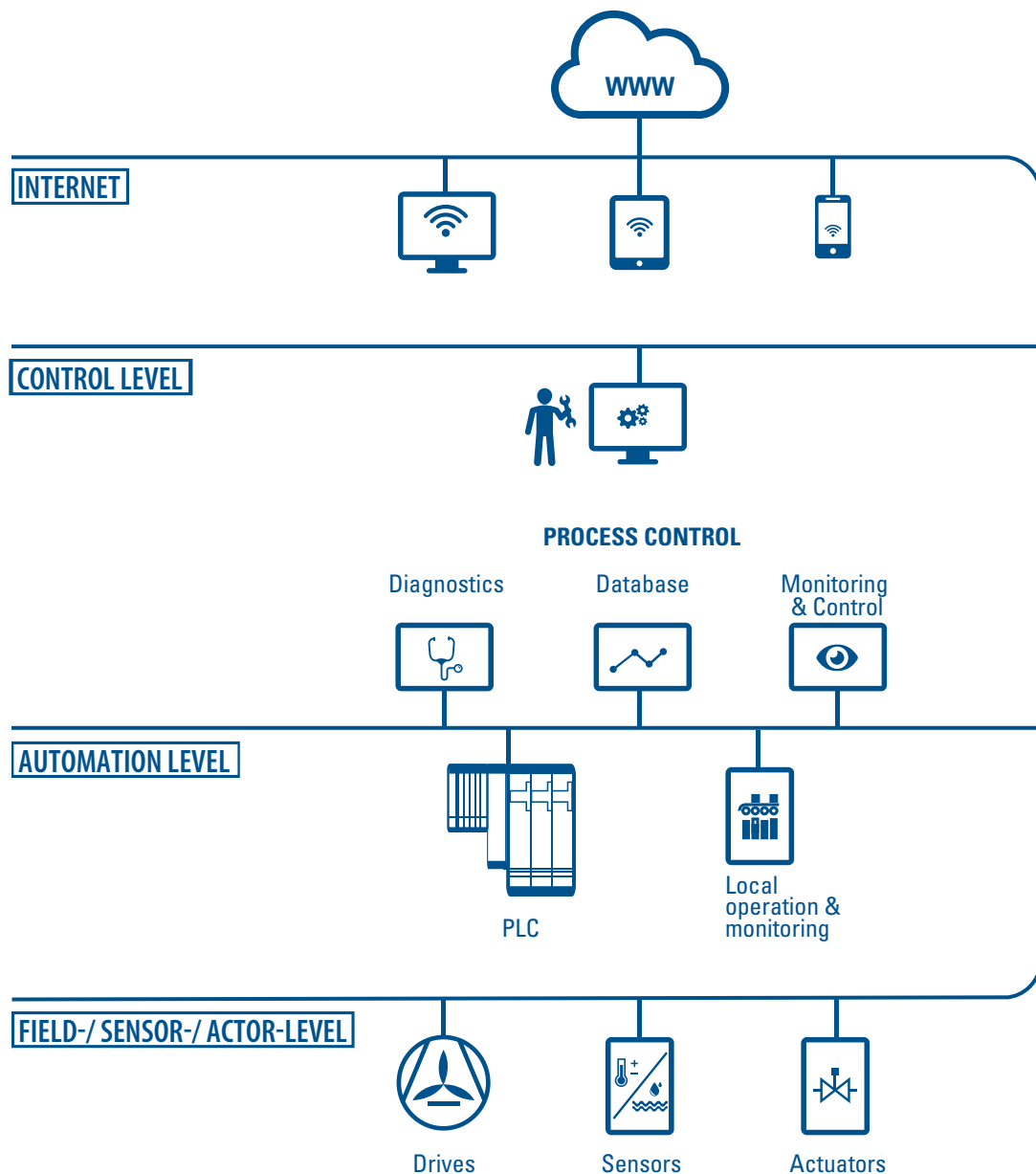
People aspire to **PROSPERITY** and **PERFECTION**.

AUTOMATION: The perfect plant

Automation systems are a major success factor and have an ever bigger part in the total value added by plant engineering. In this context it is no surprise that industrial processes demand the highest in precision and perfectly coordinated procedures. Big rewards are promised from massive boosts in productivity and efficiency.

CTB as a reliable SOLUTION PARTNER

We offer our customers a broad range of innovative technologies for an optimal and secure process control in most industrial sectors. We create customised automation packages, hardware components and user software specifically for your needs.



ENGINEERING

- // Efficiency thanks to leading-edge CAE systems such as EPLAN or WSCAD
- // Implementation to international standards, e.g. EN 60617-2
- // In compliance with safety and factory standards, e.g. EN 62061
- // Economical dimensioning of operating resources and systems
- // Risk reduction due to SIL consulting
- // Adaptation of existing documentation



PROGRAMMING + SOFTWARE

- // Standardisation to EN 61131
- // High level of operational reliability by safety and redundancy control
- // Communication with higher-level systems
- // Specifications and clarification of interfaces
- // Documentation in various languages



VISUALIZATION

- // User-friendly SCADA-Systems such as WinCC / LabVIEW
- // Clearly laid out process graphics
- // Overview on the current process situation
- // Fast diagnostics for short downtimes
- // WLAN HMIs for start-up and maintenance tasks



SWITCH CABINET ASSEMBLY + CABLING

- // Manufacturer of energy and control cabinets
- // Maximum system availability and high level of operating reliability
- // Energy-optimized switchboards
- // Modernization and replacement of existing control equipment
- // Expert packaging (e.g. secured for sea transport) and global shipping
- // International experience in wiring and assembly supervision



COMMISSIONING

- // In coordination with machinery, plant engineers and operators
- // Tests according to the functional specification document
- // Initial testing in accordance with regulations
- // Worldwide start-up support

AFTER-SALES-SERVICE

- // Maintenance and service
- // Spare parts management
- // Remote support and update service
- // Periodically tests
- // Retrofit modernisation

Leading through **INNOVATIVE AUTOMATION SOLUTIONS.**

INDUSTRY

BIOGAS

DISTRICT HEATING

BIOMASS HEATING

QUALITY AND TESTING



TESTING

High-quality components guarantee the durability and proper functioning of our systems. Expert workmanship is therefore just as crucial as thorough quality testing to EN61439, EN60204 and other standards based on customer requirements.

FACTORY ACCEPTANCE TEST

We work together with the customer during the FAT to verify that the control system conforms to the specified quality requirements prior to delivery.

AVAILABILITY

We use only premium brand products with international approval and availability, e.g. Schneider Electric, Siemens, Bernecker & Rainer, etc.

COMPETENCIES

// Environmental technology
// Chemical industry
// Water and wastewater treatment
// Semiconductor industry
// Automotive industry

// Packaging machines
// Energy and building services engineering
// Building automation
// Petrochemical industry
// Material handling technology

INTERNATIONAL STANDARDS

We have been serving all of our customers for many years with great success all over the globe, for example in the Netherlands, France, Switzerland, Norway, Finland, Sweden, USA, Canada, China, South Korea, Australia and Egypt.
Thanks to our TÜV certification (SCC*) we can also prove that we meet the high international standards for safety, health and environmental protection.

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