

OUR **KNOW-HOW** IN  
**BIOGAS** FOR YOUR **BENEFIT.**



# AUTOMATION: A perfect system.

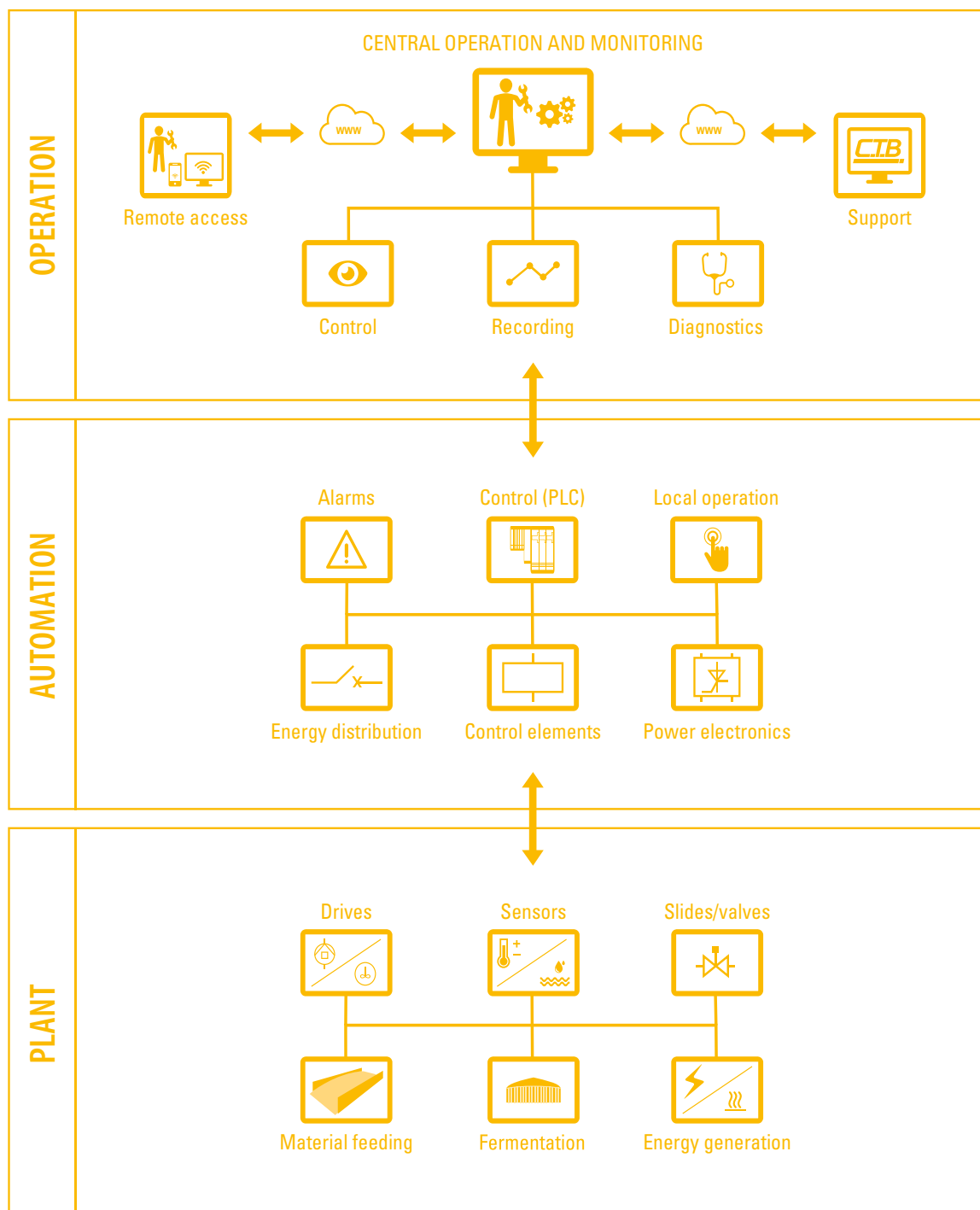
## Let's step on the (BIO) GAS!

The rapid development in industrial biogas production also means an increase in demands to be met by automation and measurement technology. Ingenious plant control thus becomes the key to maximum profitability.

A biogas plant only pays off if all factors have been fine-tuned with each other and the plant is maintained in optimal operating conditions at all times. This is a challenge that we look forward to taking up together with you.

## AUTOMATION TO HIGHEST INDUSTRY STANDARDS

Long before the first cubic metres of methane are produced, correct planning decides the success of your project. We accompany you from the first step to final commissioning, advising you expertly with integrated solutions for control of your biogas plant.



# CTB as a reliable SOLUTION PARTNER.

## ELECTRICAL ENGINEERING + WIRING DIAGRAMS

- // Creation of specifications in close collaboration with the planner
- // Usage of cutting-edge CAD systems
- // Selection and planning of all system components
- // Efficient dimensioning of plant components
- // Clarification of interfaces with other firms
- // Implementation to valid explosion protection standards
- // Detailed documentation of the control system



## SWITCH CABINET ASSEMBLY + CABLING

- // Manufacturing of energy and control cabinets
- // Extensive, documented control cabinet factory tests
- // Globally available brand components used
- // Delivery of plant-specific sensor systems
- // Wiring and final assembly at the plant
- // Quality inspection of the installation on site



## PLC PROGRAMMING + VISUALISATION

- // User-friendly and intuitive visualization systems
- // Clear view on the process situation
- // Communication with lower and higher-level systems
- // Data recording and analyses for process tracking
- // Integrated protection mechanisms for plant and operator
- // Fast troubleshooting for maximization of plant availability
- // Remote operator access via the Internet



## COMMISSIONING + AFTER-SALES-SERVICE

- // World-wide plant commissioning
- // Functional testing and individual component tests
- // Operator training and support during the start-up stage
- // Initial and annual plant inspections according to regulations
- // Spare parts management
- // Maintenance and service
- // Support by remote maintenance and update service



# Maximum **PLANT AVAILABILITY** thanks to **INNOVATIVE AUTOMATION SOLUTIONS.**

**INDUSTRY**

**BIOGAS**

**DISTRICT HEATING**

**BIOMASS**

## QUALITY + TESTING

High-quality components guarantee the durability and proper functioning of our systems. Expert workmanship is therefore just as crucial as thorough quality testing.

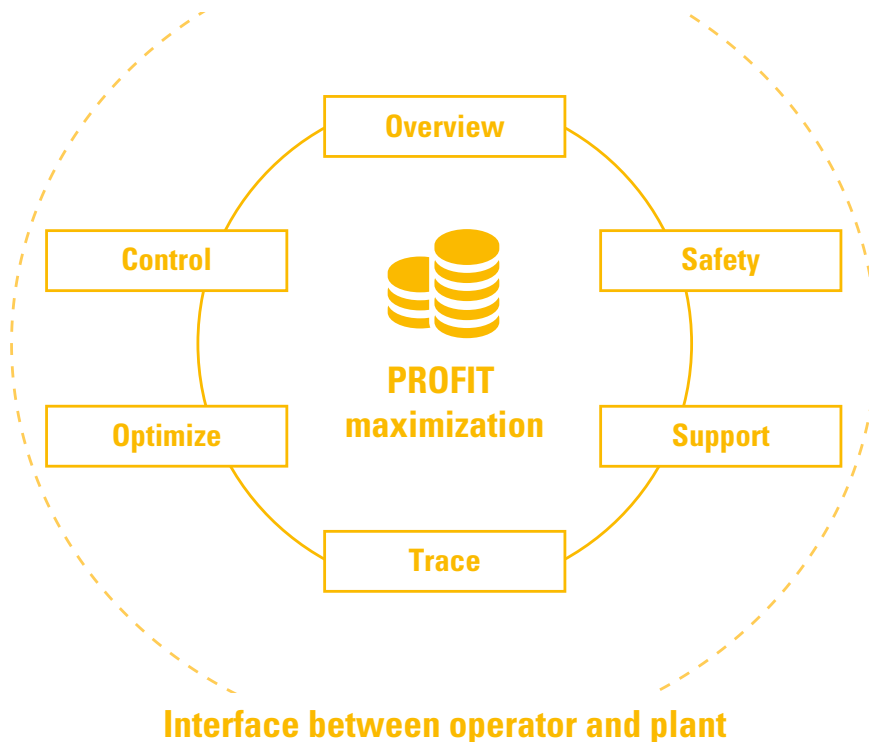
## AVAILABILITY

We use only high-grade brand products with international approval and availability.

## INTERNATIONALITY

We have been supporting our customers successfully for many years around the world, for example in Croatia, Italy, Romania, Poland or Canada.

## WHY AUTOMATION TECHNOLOGY?



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