





## CORPORATE PHILOSOPHY

Whether you need customised individual solutions or complete automation systems, we have the answer with our integrated systems for universal applications in plant construction and mechanical engineering.

Single source simplicity. We support you from the first draft plan, through implementation to after sales service perfection and give you the best advice – simple and direct - as your full service partner for the control and regulation of your plant. Decades of international process automation experience is behind all of our work.

Our know-how excellence in practical research plus continuous orientation to state of the art engineering are your assurance. The CTB people are partners you can rely on for developing and implementing your processing plant.

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

## INNOVATION & CREATIVITY

What automation perfection means to us is packing all our knowledge and creativity into products of pioneering innovative strength. From the first prototype through to series production, every step in the complete solutions we achieve is developed at our Lebring location. Furthermore we use only the best brand components in all this work.

## DELIVERY RELIABILITY & FLEXIBILITY

Interplay between highest time flexibility and the deadlines our customers set is the way we work. The impossible is our inspiration!

## CUSTOMER ORIENTATION

We find perfect solutions together. They are simple, customised and easy! Consistent automation solutions are the result and these guarantee you maximum flexibility plus highest efficiency and economy.

## EXPERIENCE

Over two decades of experience in the handling and implementation of countless projects for the most wide-ranging industrial applications is our visiting card. And we are successful around the world.

## KNOW-HOW

Cutting-edge know-how plus continuous orientation to the state of the art in engineering makes our employees experts across the entire spectrum of developing and implementing automation solutions. Wherever you are with your project you can rely on us!

## COMPLETE SOLUTIONS

From the first step in planning through to successful commissioning, plus impeccable training and after sales service. You also get every service in the areas of process automation, electronics and control technology, instrumentation and control engineering and all from a single source.

## ELECTRICAL PLANNING AND WIRING DIAGRAM PRODUCTION

- // Planning to international standards and to your own company internal ones
- // Use of state-of-the-art CAD systems
- // Selection and project planning for all system components
- // Efficient dimensioning for all plant parts

## SWITCH CABINET ASSEMBLY AND CABLING

- // Control and power cabinets
- // Extensive documented testing of switch cabinets in factory
- // Use of globally available brand components
- // Final assembly and cabling on site at the customer premises

## DISTRICT HEATING SYSTEM COMPONENTS

- // Heat transfer stations
- // Heating controller and room-control units
- // Hot water tank heat up systems
- // Heat meters



# WE DO IT ALL!

WE OFFER OUR SERVICES IN EVERY BUSINESS FIELD –  
**ALWAYS PERFECTLY MATCHED TO YOUR EXACT NEEDS!**

# PRODUCTS & SERVICES

Key competence customer proximity



## MONITORING AND CONTROL SYSTEMS

- // Conceptual and detail planning
- // PLC and visualization software
- // Sensors and actuators for the process automation

## COMMISSIONING

- // Plant specific set up
- // Component and system tests
- // Training for the operator
- // Documentation

## AFTER-SALES-SERVICE

- // Process optimisation
- // Telephone support / remote service
- // System upgrades
- // Maintenance and inspections

## INDUSTRIAL PLANTS

- // Chemical industry
- // Automobile industry
- // Semiconductor industry
- // Mechanical engineering

## DISTRICT HEATING TECHNOLOGIES

- // Grid and thermal store
- // Heating control for private household and commercial heat consumers
- // Solar control
- // Remote data acquisition and visualisation
- // Energy metering
- // Data processing for quality management



# FOUR BUSINESS FIELDS ONE ALL-ROUND SOLUTION

FROM SMALL TO GIANT MW RANGE PLANTS.

# BUSINESS FIELDS

Leading through innovation



## BIOMASS HEATING SYSTEMS

- // Furnace systems for hot water, steam and thermal oil plant
- // Exhaust gas treatment
- // Combined heat and power systems (CHP)

## BIOGAS FACILITIES

- // Process control and process optimisation
- // Liquid and solid dosing systems
- // Organic waste processing
- // CHP and plant load management

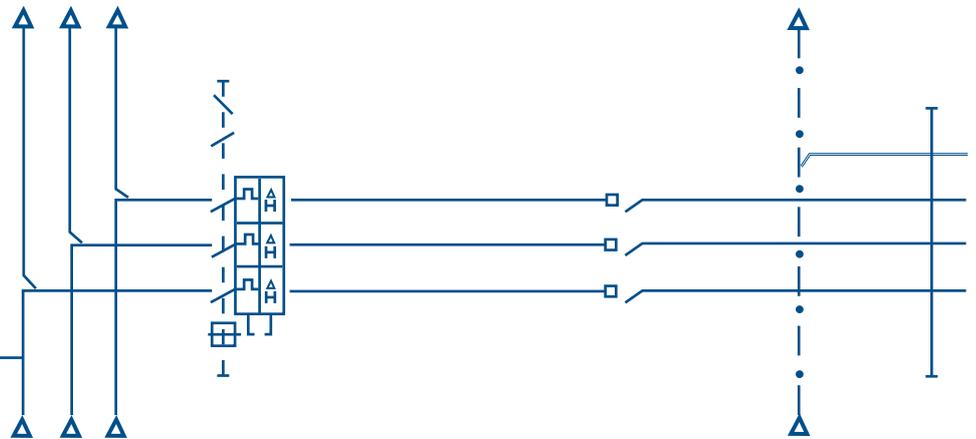


We offer **ADDED VALUE.**



**CTB**  
CORPORATION

# INDUSTRIAL PLANTS



## AUTOMATION: the perfect plant

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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 processes. Big rewards are promised from massive boosts in productivity and efficiency.

The competition never sleeps. Only the best stays on top. And this means plant with intelligent control and process management systems. This is why we develop universal automation solutions for our customers, guaranteeing them highest efficiency and maximum flexibility.

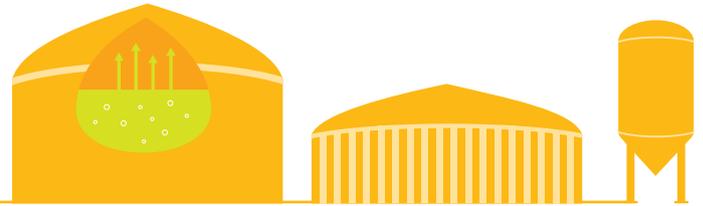
## CTB a reliable SOLUTION PARTNER

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

We step on (BIO) GAS.





## We step on (BIO) GAS!

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Industrial biogas production is developing at a rapid pace. This means the operators are also facing increased challenges for the automation and instrumentation of their facilities. Smart facility control is the key to maximum profit.

This is because a biogas facility can only be a paying business proposition if it is perfectly tuned and when it can be kept in a permanently optimal operational status. This challenge is our business and we are only too pleased to deal with it.

## Automation to the HIGHEST industrial standard

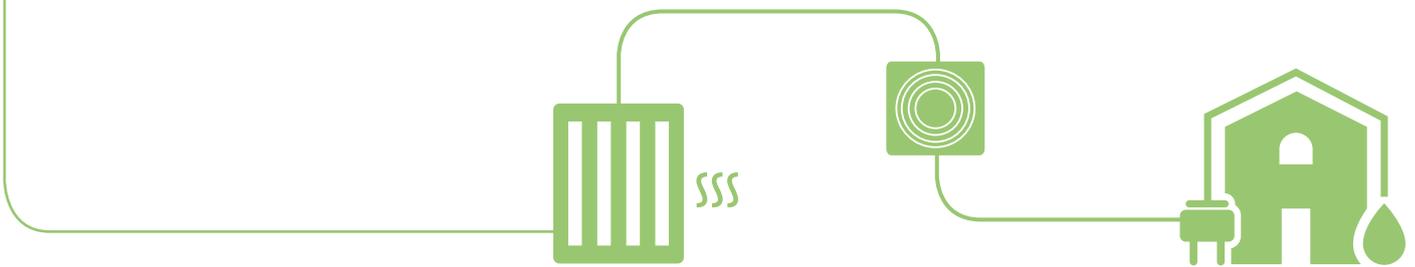
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Long before you produce the first cubic metre of methane, the success or failure of your project is already mapped out and determined for the future by the correct project planning and the support you get for your project. We accompany you every step of the way from the first planning task through to successful commissioning and we give you the competent advice you need with integrated complete engineering solutions for controlling your profitable biogas facility.

We score with **INDUSTRY KNOW-HOW.**



# DISTRICT HEATING GRIDS



## DISTRICT HEATING is booming

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Dramatically rising gas and oil prices have greatly stimulated consumer interest in alternative heating systems. These are good news both for the operator and for the environment. District heating saves valuable resources, it is inexpensive and very easy and convenient to use.

Waste heat from power stations or process heat from industry are used to heat the homes of the users. Clean, safe, convenient. Long-distance heating reaches the consumer as hot water or steam. Connection to the house heating system is via a district heating transfer station.

## Tailored USER CONVENIENCE

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The vast number of successful district heating projects we have implemented speak for themselves and underpin CTB competence whenever the issues are the planning, coordination and optimising of the automaton processes for your district heating facility.

A district heating transfer station developed specifically for your individual requirements comprises all the measuring, control and safety features that are essential for efficient no-problem operation. Always tailored to your needs, the district heating transfer station we provide for you is geared to the user convenience of the customer and operates perfectly optimised and maintenance-free.

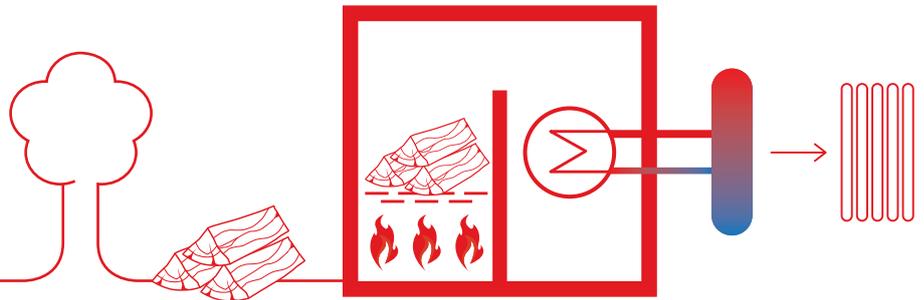
We create VISIONS.



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# BIOMASS HEATING SYSTEMS



## It's got class, it's BIOMASS

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Clean, environmentally friendly, reliable – exactly what best case energy should be. And biomass for heat and electricity use is fully on course with all of these advantages. Biomass is easily grown and regional availability means it is ready to hand and crisis safe. Whether it comes from farm waste or specially cultivated energy plants, many different materials can be used in biomass energy production.

Raise the standards, lower the prices? No problem with a perfectly sophisticated automation. We optimise the efficiency of your biomass facility to the highest values with innovative and cutting-edge control methods.

Powerful performance - harmonises with nature.

## Let's create vibrant VISIONS together

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Working closely together with our customers we plan complete solutions for any task and we always give innovation a priority in our automation solutions. This is how we create the latest in control engineering systems with optimally adjusted hardware as the perfect product for you. Integrated, easy to use and reliable.

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