



# MTA ENGINEERING

CUSTOMIZED  
COOLING SYSTEMS



*Our Know-how for every application*

Cooling, conditioning, purifying.

# CONSULTING, PLANNING AND IMPLEMENTATION ENGINEERING AND PLANT DESIGN PROCESS COOLING AND AIR CONDITIONING SOLUTIONS FOR ALL INDUSTRIES



## INDUSTRY

### Constant precision thanks to perfect cooling

Reliable cooling systems are indispensable for many industrial processes in which a highly accurate temperature control is required – such as in the glass coating, chipboard production or CD / DVD production.

The systems developed by MTA Engineering are perfect for plants, rollers, compressors, ovens, laser, emulsions and all kind of industrial processes with the demand of precise and reliable cooling .

We guarantee maximum efficiency at precisely calculable investment costs.



## FOOD & BEVERAGES

### Fullfilling highest quality standards

Also the high demands in the food industry will be met with the help of innovative cooling systems of MTA Engineering.

We develop customized solutions for different kinds of processes and production lines, which must be cooled precisely and reliably:

- confectionery production
- beverage production and bottling
- Beer and wine storage
- Fruit and vegetable storage, etc





## MTA Air Conditioning

- Computer and server rooms
- Office buildings
- Exhibition halls
- Warehouses
- Air duct systems
- Simulation chambers

## MTA Process Cooling

- Process gases
- Ovens
- Extrusion machines
- Compressed air & gas compressors
- Grinding machines
- Welding robots
- Galvanic systems
- Gas coolers
- Hydraulic systems and gearboxes
- Control cabinets and transformers
- Storage and fermentation tanks



## CHEMICAL & PHARMACEUTICAL

### Tailor-made cooling at its best

For a consistently high product quality in production of plastics, adhesives, paints, coatings and pharmaceuticals, a professional process cooling is indispensable.

MTA Engineering develops object-oriented cooling solutions, which are aligned to the customers production process with the help of intelligent plant concepts.

Our systems can also be used at high ambient temperatures and for continuous processes with high cycle rates.



## AUTOMOBILE

### Cool calculated series production

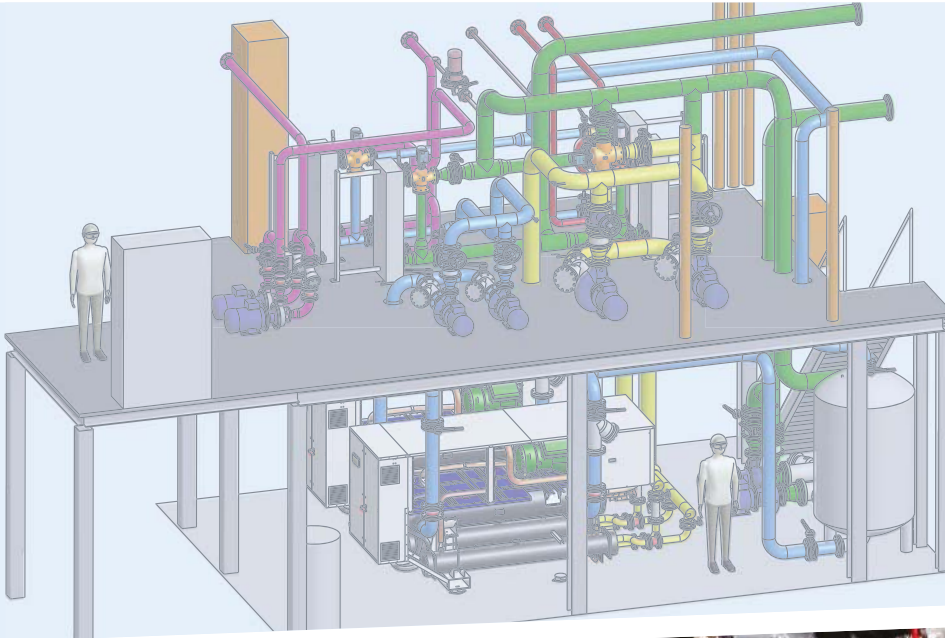
Machines and systems in assembly halls and production lines of the automotive industry must work constantly and reliably. Processes in 24-hour shifts, like welding, etc. cause enormous heat energy, which has to be dissipated.

For that reason, an optimally configured and controlled cooling system is needed to avoid plant shutdowns and production losses.

MTA Engineering develops the right solution for the best possible cooling of halls and machinery.







## CLIMATISATION

### Architecture meets energy efficiency

Whether office building or server room, production or exhibition hall: MTA Engineering provides state-of-the-art technology for optimal room air conditioning and its integration into the architecture.

The heart of the MTA systems are individual configured water chillers. Combined with central air-handling units as fresh air or recirculation systems the climatisation is exactly adjusted to the room size.

In confined spaces, the compact, silenced and energy efficient chillers from MTA show their full strength.



## GAS COOLING

### Optimal conditioning is crucial

The MTA Engineering gas cooling systems are specially designed to withdraw heat and humidity. This prevents corrosion damage in pipelines, faucets and extends the life time of engines in cogeneration units.

Follow-up costs are minimized and operational safety will be elevated.

Biogases and process gases are cooled and dehumidified in precisely dimensioned heat exchangers in combination with matching water chillers.





# RELIABLE PARTNER FOR WELL PLANNED, ENERGY EFFICIENT COOLING SYSTEMS



## **The whole is more than the sum of its parts**

Whether cooling or cold water applications, air cooling or air drying, food or industrial production:

With the best available and carefully selected components, MTA Engineering develops tailor-made solutions that deliver accurate, reliable and cost-effective cooling.

With the experience of over 25 years and over 700 systems installed worldwide, we also work out ideal solutions for the optimization of existing plants.

We support our customers from the planning and selection of suitable components up to the construction of the turnkey facility.

We accompany projects starting from the first contact up to to commissioning and if required, also over the entire life cycle of the plant.

Our customers from all over the world are users and end customers from various industries as well as planners and engineering offices.

Set us a task and you will see that MTA Engineering is the ideal partner for your business.



Your satisfaction is our success!



## References:



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