



... thanks, of course,  
to ef cooling technology –  
an overview of our products!

**ef cooling**  
Switzerland



# Turnkey plants

**«Turnkey concepts spare you the requirement for expensive additional work. We construct your central cooling system on a turnkey basis so you have the time to get on with your core tasks. Energy analysis, engineering and design for subsequent extensions are all included.»**



*Above:  
Plastics production plant in China*

*Middle:  
Tank pumping unit*

*Below:  
Central cooling system with tank pumping unit*

## For example:

Turnkey systems in the plastics industry take on a very wide variety of cooling requirements, all of which can be covered by a central cooling system.

Therefore, you require very high cooling performance for cooling moulds for individual machines. The water-cooling equipment is erected either inside or outside and designed for an external temperature of -35 to +55 °C. The cooling quality affects the cycle time's speed and therefore also the product costs.

With the same central cooling system, in part with integral pre-cooling, you can also cool the hydraulic systems for each individual machine. The water-cooling equipment holds the coolant system at a constant 25 to 30 °C.

In central cooling systems, heavy demands are placed on the cooling water distribution and regulatory systems to ensure the correct temperature for the highest product quality at each cooling station.

In turnkey systems, we take over the design, planning and on-site installation for you, in accordance with your instructions. We design the cooling equipment, plan the optimum pipe runs for the refrigeration- or coolant circuits and install the pre-assembled plant on site using our own specialist engineers. On request, we can provide you with an energy analysis and a design for possible future extensions.

Turnkey plants are as individual as your own cooling requirements, which we will gladly resolve for you.

**ef cooling, in collaboration  
with its technological partners  
throughout the world, provides  
the optimum cooling system  
for each production plant**

**We plan, develop, construct and build cooling systems. In so doing, we have now solved, to date, some one thousand temperature problems, even though hardly any job was the same as any other.**

We manufacture and carry out our Research & Development, Servicing, Sales and Marketing activities in Dällikon/Zurich, Switzerland. Some years ago, as part of the continuous strategy for growth, ef Productions AG was established, especially to produce mass-produced systems.

We have been developing and marketing industrial cooling systems worldwide since 1964. During this time, we have built up a network of development and technological partners, from which nowadays all our customers can benefit.

We regularly invest specifically in the development and evaluation of new technologies and products, paying particular attention to environmental friendliness, energy savings, economy and increase in quality.

ef cooling is your address for:

- Water coolers
- Oil coolers
- Multizone cooling/heating units
- Customer-specific and combined units
- Cooling systems for various other media
- Heat-recovery plants and designs
- Free-cooling plants and designs
- Prototypes and serial production
- Engineering
- Servicing and recycling



**ef cooling**

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