



**40** cooling  
towers  
since 1981



Since **1981**



TURN KEY **PLANTS**

WATER COOLING **TOWERS**



# > TAILORED COOLING SYSTEMS

ILMED IMPIANTI is not a mere cooling tower supplier but it is, at first, a provider of knowledge, services and turn key projects. At now ILMED IMPIANTI achieved several references in cooling tower plant realization, supplying piping, pumping station, water treatment supervision system and also complete turn key plant.

## > ENGINEERING

ILMED IMPIANTI engineering department develops completely process design from customer needs identification to plant start up.

ILMED IMPIANTI has a good experience in complex operative condition as:

- ✓ Classified ambient (ATEX)
- ✓ Tropical/desert ambient
- ✓ Low ambient temperature (-30 , -40 °C)
- ✓ Sea water handling

## > PIPING AND PUMPING STATION

ILMED IMPIANTI realized many piping and plants according to international codes and standard (UNI, ANSI/ASME, DIN, GOST).

ILMED IMPIANTI can help its customer to find the best solution to improve cooling tower efficiency, maintenance and durability.

## > COOLING TOWER SUPERVISION

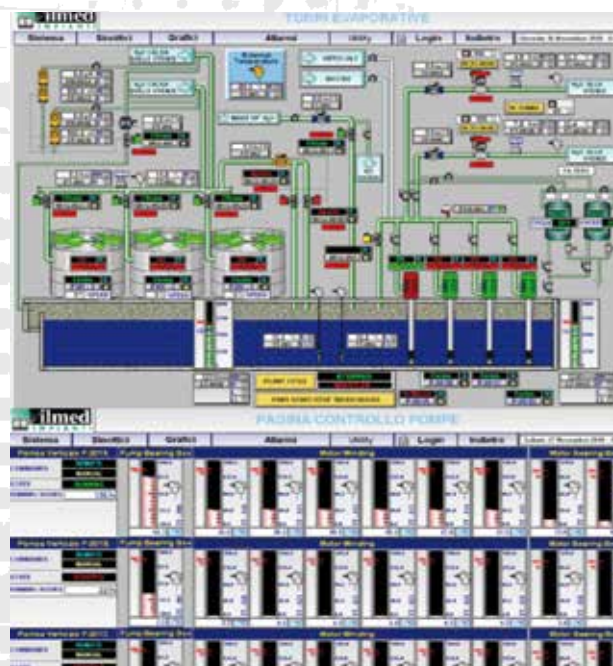
A supervision system can give many advantages to a cooling tower users.

- ✓ Easier tower conduction
- ✓ High automation level
- ✓ Quick anomalies detection
- ✓ Constant performance evaluation thanks to stored data analysys

Ilmed Impianti is able to supply from a simple electro-mechanical panel up to a complex PLC panel with mimic interface.

ILMED IMPIANTI is focused on energy saving issues studying many different dedicated solutions.

One of the most cost effective way to save energy is managing motor power consumption according to outlet water temperature via VFD system.





## > TURN-KEY FORMULA

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### > WATER TREATMENT

ILMED IMPIANTI designs and manufactures water conditioning skid for:

- ✓ Antiscaling / Biocide dosing
- ✓ Acid dosing
- ✓ Conductivity analysis to make up and blow down control

Identifying the correct injection point and proper water quality sampling improve chemical action reducing dosages. ILMED IMPIANTI experience allow to select the best layout for water treatment system.

### > SIDE STREAM FILTRATION PLANT

Suspended solids (TSS) are a frequent cause of cooling tower performance reduction due to fouling phenomena in distribution pipes and inside the filling. TSS sources are make-up water, process condition but also ambient air transportation.

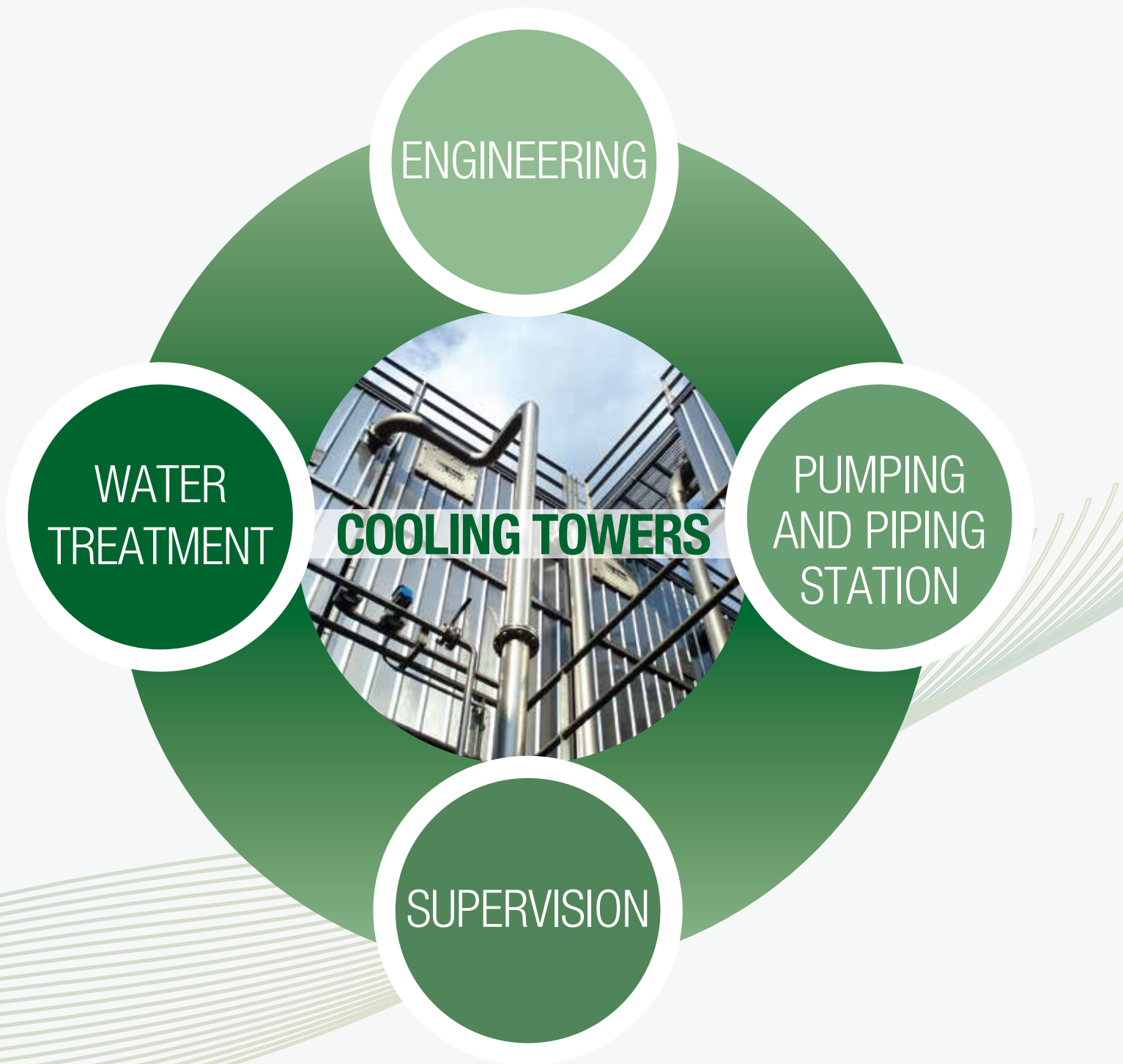
Thermal performances and cooling tower reliability can be highly increased by suspended solids removal via self cleaning filtration systems. Those plant are modular, cost effective and fully automated (low maintenance needing).



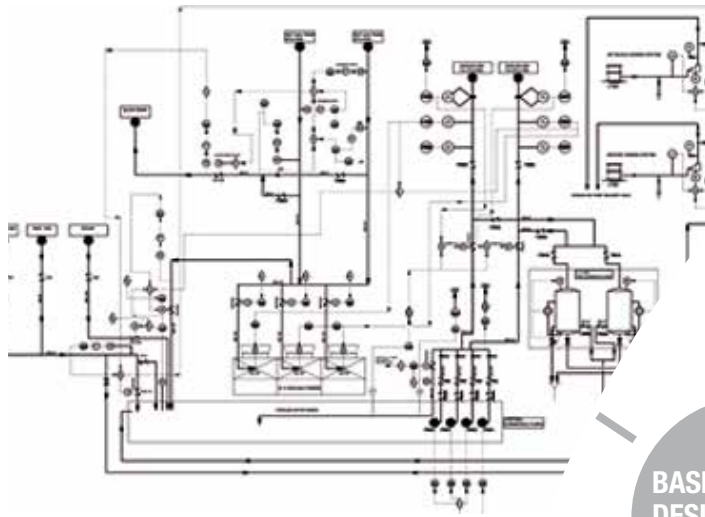
## > TURN KEY PLANTS

## > COOLING TOWERS SYSTEMS

During 35 years of activity, ILMED IMPIANTI acquires high skills in cooling tower plant design and realization.



# > FROM NEEDS IDENTIFICATION TO COMMISSIONING AND START UP



NEED  
IDENTIFICATION

1

BASIC  
DESIGN

2

DETAILED  
ENGINEERING

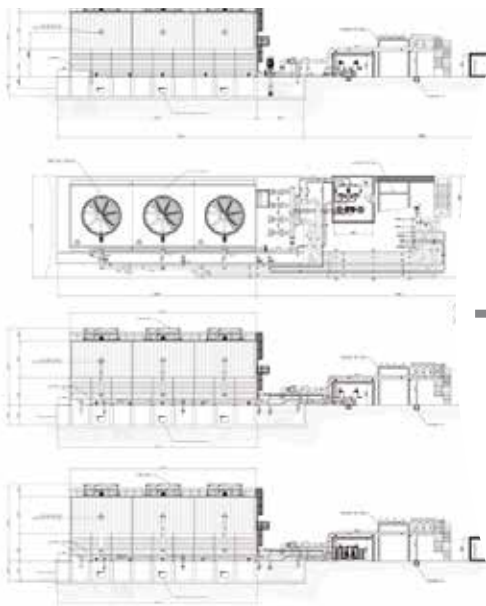
3

MANUFACTURING

4

COMMISSIONING  
START UP

5







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