



**INCREASE PROCESS EFFICIENCY**

**AVOID UNSCHEDULED DOWNTIME**

**PREVENT CAPEX INVESTMENTS**



## Heat Rejection & Heat Recovery Solutions

# OUR SERVICE FOR **AIR COOLED CONDENSERS**

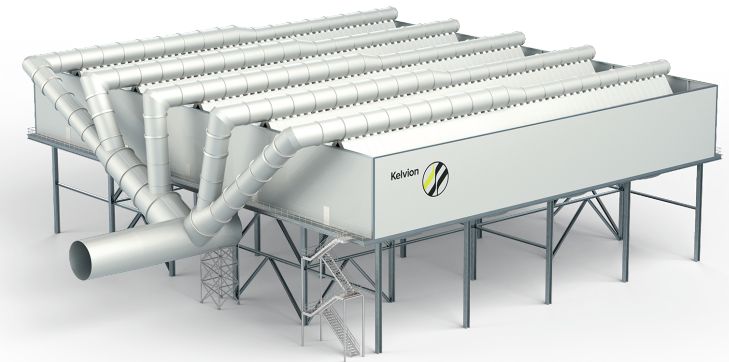
Servicing of air-cooled condensers is essential for maintaining performance excellence. From genuine spare parts to comprehensive retrofit and upgrade projects, Kelvion has the solution to keep your equipment up-to-date and fully operational.

Through our own manufacturing facilities and our network of worldwide partners, we can deliver, anywhere, any type of parts, heat exchanger bundles and new solutions (like semi-automatic cleaning device, fogging system, etc.).

### **DEBOTTLENECKING | OPTIMIZE YOUR EQUIPMENT**

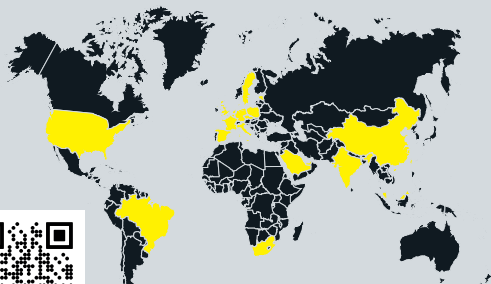
Kelvion' objective is to ensure the operational availability of your equipment and offering a reliable support whenever you need it.

We work hand in hand with your team to develop, analyse and evaluate the performance of your ACC.



### **MORE THAN 30 SERVICE LOCATIONS WORLDWIDE**

Kelvion Service starts from our first contact with you and continues after your order has been delivered, with us as your reliable service partner. Thanks to our worldwide service centers, we are always close to you.



Get in contact



#### **AUDIT**

- ▶ Air Flow
- ▶ Static Pressure
- ▶ Electrical Consumption
- ▶ Input / Output temperature on air and process side
- ▶ Mechanical Inspection
- ▶ Sound Level Measurements
- ▶ Vibration Analysis
- ▶ Thermals Images



#### **CFD ANALYSIS | THERMAL ASSESSMENT**

Once all data are gathered, Kelvion experts will perform CFD analysis and an accurate thermal assessment base on HTRI.



#### **TECHNICAL REPORT**

Customers will receive a detailed technical report and a clear list of problems found with their impact on performance and recommendation to recover the original performance.



## ALL BRAND SERVICE

Besides being experts in our own products and our former brands, we also have the expertise to service other brands.



## SERVICE PORTFOLIO | AIR COOLED CONDENSERS



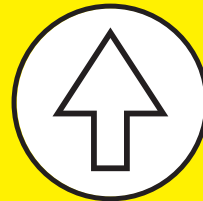
### EARLY LIFE

- ▶ Installation / Supervision
- ▶ Commissioning



### REPAIRS, OVERHAULS & MAINTENANCE

- ▶ Preventive and corrective maintenance
- ▶ Tube external cleaning
- ▶ Sealing of leaking tubes
- ▶ Inner sleeving and tube -end inserts for tubes
- ▶ Retubing
- ▶ Repair, replacement, upgrade of fans, blades, motors
- ▶ Troubleshooting
- ▶ Fan pitch adjustment



### UPGRADES & REPLACEMENTS

- ▶ Upgrade of tube materials and fin design including thermal studies
- ▶ Retubing
- ▶ Bundle replacement / extensions
- ▶ Fogging systems
- ▶ Air side revamping
- ▶ Filters
- ▶ Vibration solutions
- ▶ Total ACC replacement
- ▶ Rerating



### SPARE PARTS & SPARE PART SOLUTIONS

- ▶ Loose finned tubes / Finned tube bundles
- ▶ Spare plugs, gaskets & sealing
- ▶ Spare rotating parts / Structural spare parts
- ▶ Re-engineering of sub elements and parts supplied by others



### MONITORING, CONSULTING & TRAINING

- ▶ Maintenance training
- ▶ Consulting and audits for air-side performance improvements
- ▶ Cooling performance analysis
- ▶ Airflow testing
- ▶ Thermography
- ▶ Power consumption / Noise level analysis
- ▶ Vibration analysis
- ▶ Mechanical analysis (structure and parts)
- ▶ Finned tubes internal / external fouling studies
- ▶ ACHE thermal performance control
- ▶ MCFD Modelling