



**INCREASE PROCESS EFFICIENCY**

**AVOID UNSCHEDULED DOWNTIME**

**PREVENT CAPEX INVESTMENTS**

## Transformer Cooling Systems

# OUR SERVICE FOR **TRANSFORMER OIL AIR COOLER**

Transformer oil air coolers are always used where no other cooling medium is available except ambient air. Depending on the installation site, the air side is exposed to a high degree of contamination.

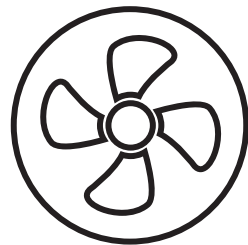
The higher the degree of pollution on the air side, the lower the cooling capacity of the transformer oil air cooler.

We at Kelvion Service are happy to assist you with the maintenance of your transformer oil air coolers.

We clean the air side, maintain the fans and repair corrosion damage.

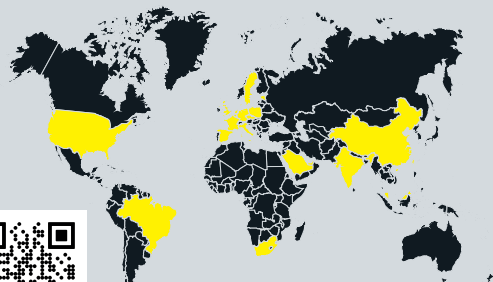
### UPGRADES FOR YOUR TRANSFORMER OIL AIR COOLER

- ▶ Stringent noise requirements for the location of the transformer usually involves inspections of transformer oil air cooler
- ▶ As air is forced through the cooler by fans, they emit a certain noise level
- ▶ By converting the asynchronous motor fans to speed-controlled fans, output of the fans can be adjusted
- ▶ Noise level of the fan is reduced and thus of the entire transformer oil air cooler
- ▶ Furthermore conversion from rigidly installed fans to hinged fans is possible
- ▶ Cleaning of the air side is much easier and shortens downtimes



### 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



### CLEANING THE AIR SIDE

At some locations where the pollution on the air side is quite high, it is particularly important to clean the transformer oil air cooler. This enables reliable high performance of the heat exchanger.





## 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 | TRANSFORMER OIL AIR COOLER



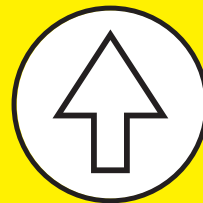
### EARLY LIFE

- ▶ Assistance to assembly and disassembly, shipping and transport
- ▶ Supervision of installation by Kelvion experts



### REPAIRS, OVERHAULS & MAINTENANCE

- ▶ Complete overhaul or repair
- ▶ Professional repair in workshop
- ▶ Renewal of external coating / re-coating
- ▶ Assistance to assembly and disassembly, shipping and transport
- ▶ Cleaning of inner and outer side
- ▶ Extensive damage assessment and elimination
- ▶ Flow measurement on-site
- ▶ Optimization of air side to reduce noises
- ▶ Adaptation of air and oil side to new operational demands
- ▶ Overhaul of fan motors e.g. replacement of bearings and sealings, speed measurement



### UPGRADES & REPLACEMENTS

- ▶ Adaptation of air and oil side to new operational demands
- ▶ Complete cooler as a replacement of Kelvion and non-Kelvion products
- ▶ Optimization of air side to reduce noises



### SPARE PARTS & SPARE PART SOLUTIONS

- ▶ Fans, accessories
- ▶ Initial spare parts
- ▶ Spare part packages
- ▶ Delivery and assembly of spare parts



### MONITORING, CONSULTING & TRAINING

- ▶ Training on cleaning of the air side
- ▶ Pressure, temperature and volume flow systems can be added at the cooler
- ▶ Electrotechnical inspection of fans, electrical connections and electrical values
- ▶ Lifetime evaluation of zinc layer of finned tube field regarding remaining lifetime