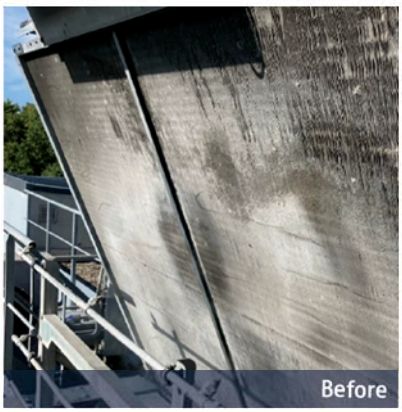


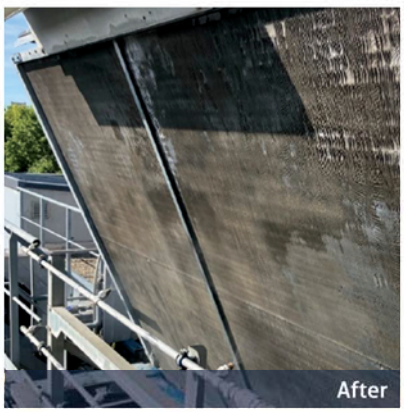
# Data centre

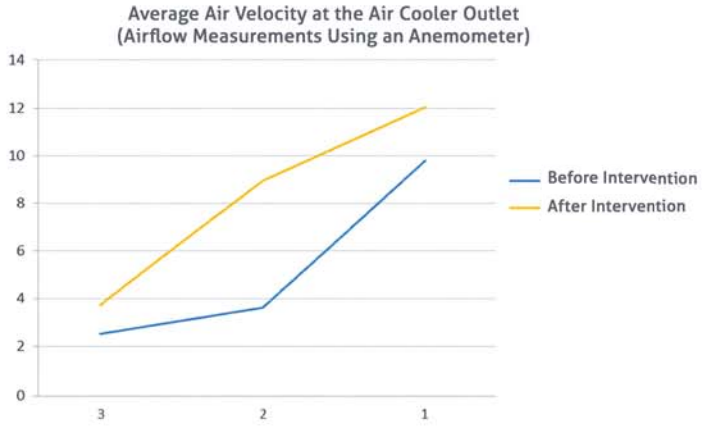
## *Take Control of Your Industrial Cooling Systems*

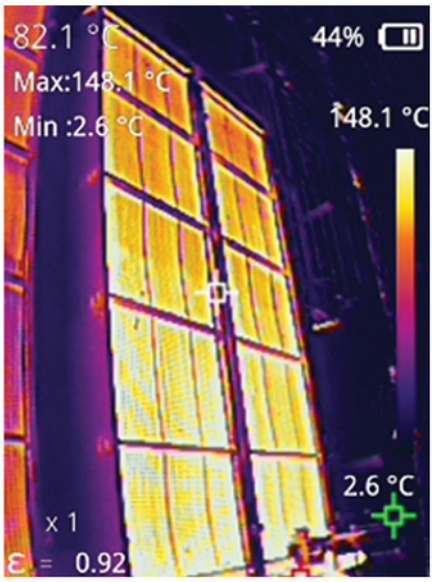
**Thermal Efficiency** | **Energy Management** | **Operational Continuity**

- Thermal Performance
- Equipment Protection
- Energy Savings
- Dedicated Equipment
- Specialist Personnel
- Patented Process




Thermal Imaging Measurements

## Greater Control and Performance, Lower Costs and Environmental Impact

**DECAMEX®**
*On-line dry chemical cleaning of fin-fan air coolers*

### Dedicated, Eco-Friendly Technology for Your Air Coolers







### Emissions Avoided with Our Solution:

**500kg $CO_2e$ / $kW_{installed}$ / years**

*(ex : a 200 kW air cooler = 100 tonnes of $CO_2e$ emissions avoided per year)*

### Efficiency & HSE Risk Management

- Rapid Restoration of Rated Performance
- Cleaning During Operation
- Minimised Simultaneous Work Activities
- Biodegradable and Non-Hazardous Product

| Cleaning Method | Foam Cleaning | Water Cleaning | DECAMEX® Process |
|---|---|---|---|
| Safety and Environment | • Working at height near operating fans (scaffolding required)<br>• High water consumption<br>• Risk of motor damage (motor protection required)<br>• Non-biodegradable chemicals | • High-pressure cleaning with a risk of fin damage during operation<br>• High water consumption<br>• Risk of motor damage (protection required)<br>• Scaffolding required | • No entry into the plenum required<br>• No scaffolding required (time and cost savings)<br>• No issues associated with water or foam<br>• No adverse effects on metals<br>• Environmentally friendly<br>• No damage to equipment |
| Fan Shutdown | • **Shut Down** | • **Shut Down** | • **During Operation** |
| Cleaning Effectiveness | • Slight Improvement in Cooling Performance<br>• Without Penetration into the Tube Bundles | • Effective Cleaning, but Without Penetration Through the Tube Bundles | • Cleans the Entire Surface of Each Tube<br>• Uniform Cleaning<br>• Highly Effective on All Types of Deposits |

**DECAMEX®+**
*On-line dry chemical cleaning of fin-fan air coolers*

Specially Formulated for Scale & Mineral Deposits:
- Increased Hardness
- More Effective Descaling
- Preserves Fin Integrity

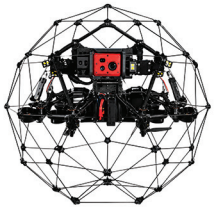
## Pre- and Post-Cleaning Measurements & Inspections

1 – Airflow Measurements :
Analysis of airflow and static pressure

2 – Thermal Measurements :
Performance assessment using thermal imaging and heat flux measurements

3 – Inspection & Technical Assessment :
Equipment inspection using endoscopes, drones, etc.









Contact Us

CTP environnement - Head Office
Tel: +33 1 39 19 18 50
contact@ctp-environnement.com
ctp-environnement.com

*Innovative & Sustainable Solutions*

FRANCE SINGAPORE PORTUGAL BRAZIL CANADA USA UNITED KINGDOM

ISO 9001
ISO 14001
ISO 45001
BUREAU VERITAS Certification