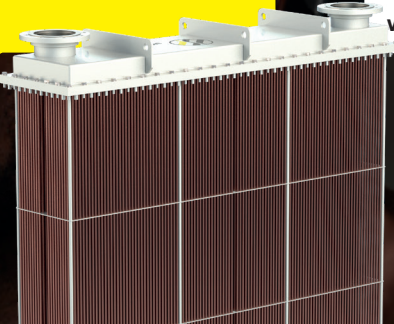




INCREASE PROCESS EFFICIENCY

AVOID UNSCHEDULED DOWNTIME

PREVENT CAPEX INVESTMENTS



Engine & Generator Cooling Solutions

OUR SERVICE FOR **BOX COOLERS**

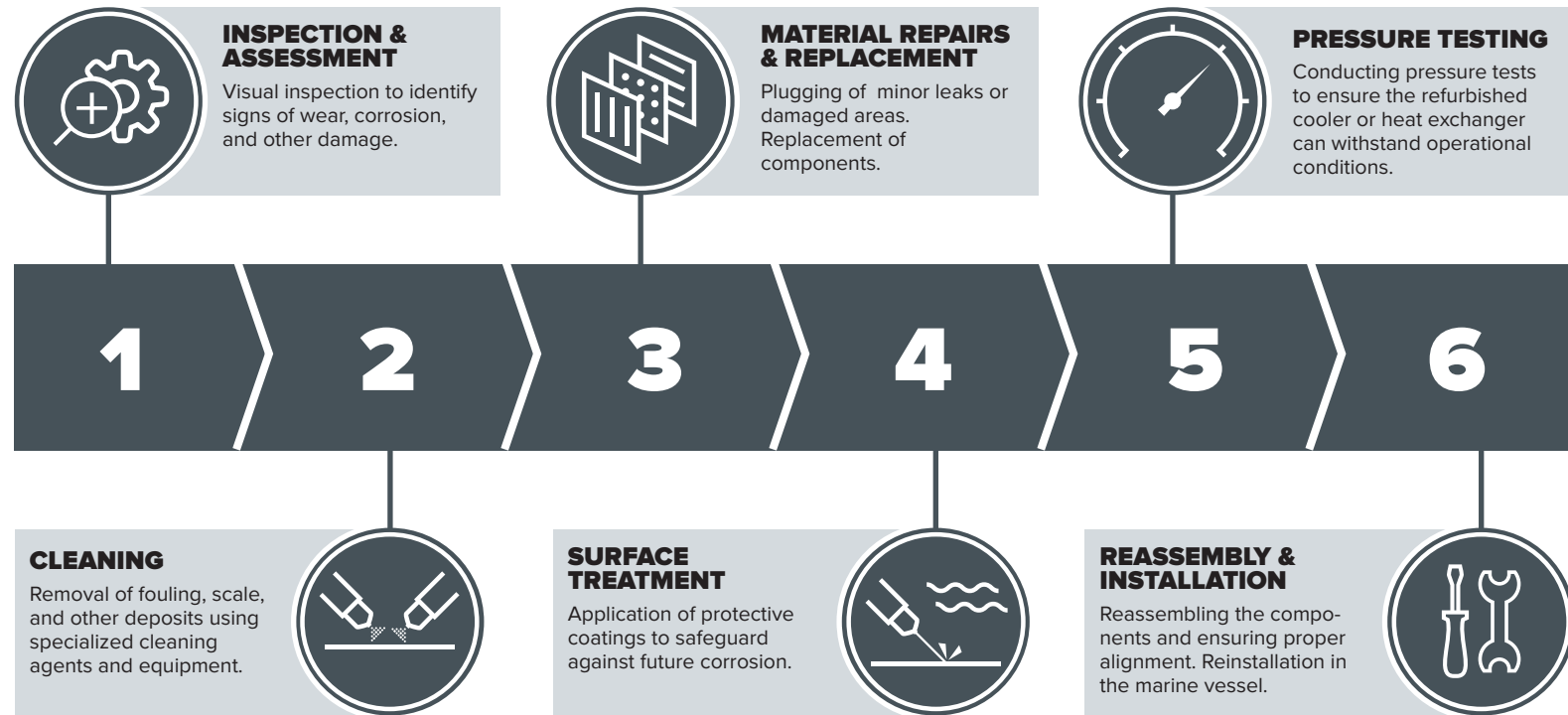
Kelvion box coolers are typically made from aluminium-brass or copper alloys, while the sea chest is usually made of steel.

When these different metals are exposed to seawater, galvanic corrosion can occur. A protective coating acts as an electrical barrier between the metals, preventing corrosion of the cooler and surrounding structure and contributing to the vessel's safety.

The Kelvion refurbishment program will ensure a long service life, high availability and vessel safety.

The Service includes sea chest inspections, cleaning, recoating and repairs to keep box coolers running efficiently.

REFURBISHMENT PROCESS



CLEANING METHODS



MECHANICAL

Coating removal with water or particles at pressure to remove coating or heavy contamination.



CHEMICAL

Standard cleaning for interim and early stage whole of life cycle.



PYROLYSIS

Pyrolysis is the process of thermal decomposition of organic materials at elevated temperatures, in an inert atmosphere without access to oxygen.

This allows us to perform recoating to OEM specification again, extending the coolers life cycle.



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 | BOX COOLERS



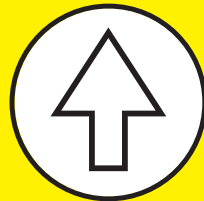
EARLY LIFE

- ▶ Commissioning on installation works for box coolers
- ▶ Testing



REPAIRS, OVERHAUL & MAINTENANCE

- ▶ Complete overhaul or repair
- ▶ Professional repair in workshop
- ▶ Renewal of the external coating / Re-coating
- ▶ Assistance to assembly and disassembly, shipping and transport
- ▶ Cleaning of inner and outer side via chemical and thermal cleaning
- ▶ Extensive damage assessment and elimination
- ▶ Supervising on sea chest maintenance, including advise on sacrificial anodes



UPGRADES & REPLACEMENTS

- ▶ Analysis and assessment of performance bottle-necks
- ▶ High availability of parts for older units
- ▶ Fast and efficient service processing
- ▶ Replacement or re-tubing of tube stacks



SPARE PARTS & SPARE PART SOLUTIONS

- ▶ Genuine and comprehensive spare part kits
- ▶ Special materials for extreme demands
- ▶ Delivery of all related box cooler parts
- ▶ ICAF system spares



MONITORING, CONSULTING & TRAINING

- ▶ Consultancy service that takes into account the special features of customers' process
- ▶ Solutions tailored to customers' needs
- ▶ Leakage and pressure test
- ▶ Endoscopic analysis
- ▶ Analysis of cooling water
- ▶ Survey of complete cooling system