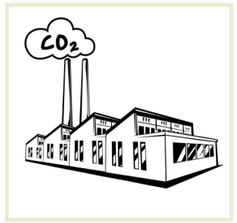
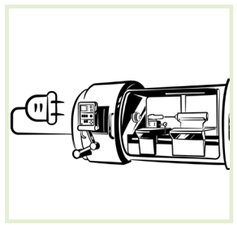
HYDAC INTERNATIONAL

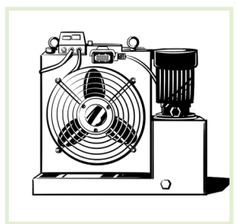
Fluid Engineering for Plant Operators

EN 10.158.0/01.22

All from a single source ... ... a regular feature in your production facility.







Reduced power consumption and CO_2 emissions due to

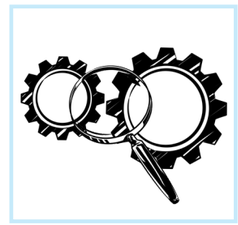
- Variable-speed drive systems and hydraulic start/stop technology
- Optimised components and systems (e.g. hydraulic accumulators, filters and filter elements, ball valves, valves and control blocks)
- Energy recovery thanks to hydraulic hybrid technology
- Energy-efficient machine cooling and heat recovery
- Support for energy efficient retrofitting of production facilities

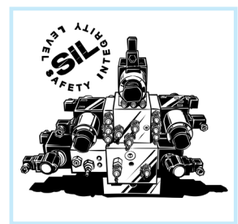
ENERGY EFFICIENCY

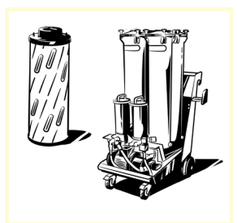
PROCESS RELIABILITY

Reliable production processes and product quality due to

- Services for technical cleanliness (e.g. process chain analysis, laboratory service, mobile laboratories, training, consulting)
- Products and devices for the technical cleanliness of components and systems (e.g. extraction units, flushing rigs)
- Optimisation of industrial part washers and cleaning processes (e.g. filtration concepts)
- Hazard analyses (e.g. hydraulic accumulator service)
- Functional safety with SIL-compliant components and systems







Extended service life of fluids and wear parts due to

- High quality and specific filters and filter elements for a wide variety of applications
- Fluids considered: oils, water, lubricants, cleaning fluids, diesel and gases
- Mobile and stationary fluid conditioning systems
- Repair and conditioning of fluids (e.g. removing varnish, dewatering and degassing fluids)
- Expert fluid analysis and fluid optimisation of systems

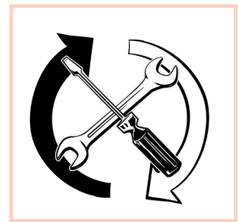
CONSERVATION OF RESOURCES

FE

SYSTEM AVAILABILITY

Increased system availability and productivity due to

- Sensors for monitoring fluids (e.g. particle contamination, oil condition, pressure, temperature, displacement sensors)
- Sensor systems, controls and software for predictive maintenance
- Mobile and stationary measuring and display devices for condition monitoring of systems
- Worldwide service (e.g. commissioning, revisions, repairs) and supply of spare parts
- Maintenance contracts and service concepts



Cost savings thanks to:

- Reduced energy consumption
- Reduced CO_2 emissions
- Reduced operating fluids
- Reduced component wear
- Increased productivity
- Reduced maintenance
- Technical Cleanliness
- Prevention of initial damages

Global Presence.
Local Expertise.

HYDAC Head Office Neuweiler

HYDAC France

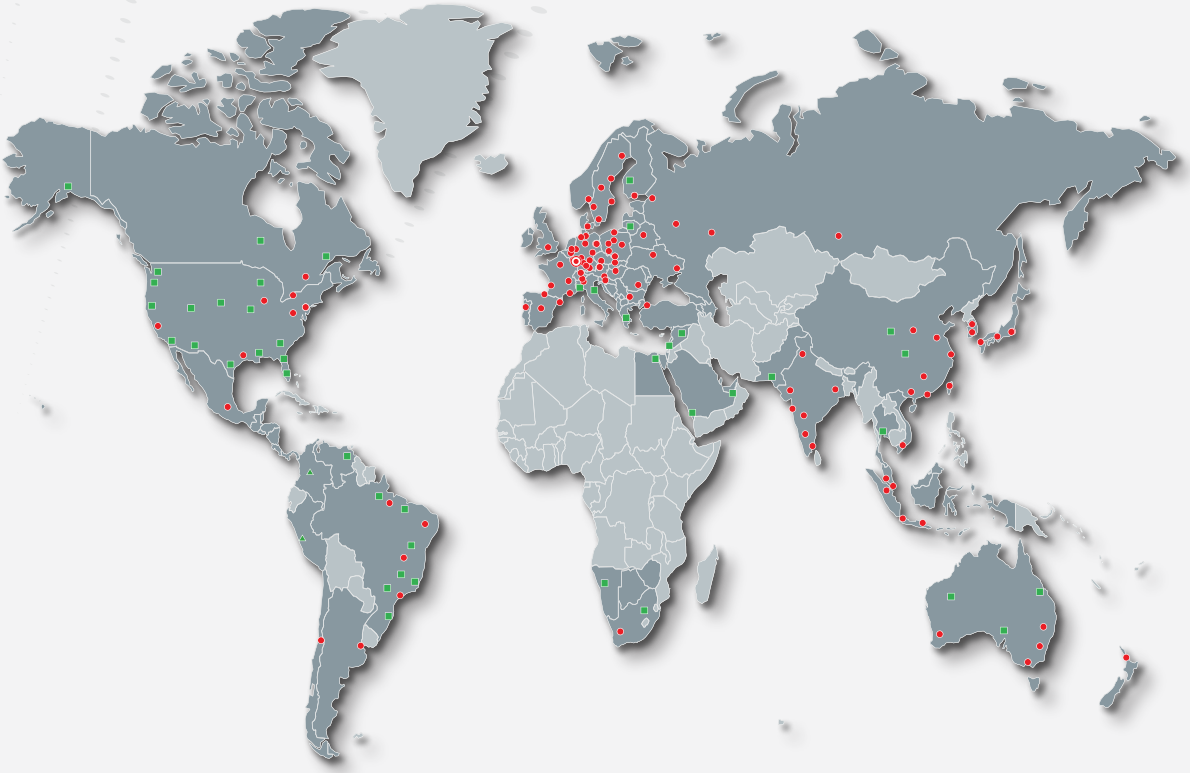
HYDAC China

HYDAC India

HYDAC Brazil

HYDAC Poland

HYDAC Denmark



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- HYDAC Companies
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