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Hydraulic systems and components for civil works

HYDAC

HYDAC

WWW.HYDAC-OFFSHORE.COM

HYDAC is often involved in the tender phase, which results in cost effective solutions throughout the service life of the system.

We have proven our skills in developing and engineering the most wide-ranging hydraulic drives and control systems for civil works.

The Netherlands have battled wind and water for many years. That is why we acquired a vast experience in the engineering, production and installation of hydraulically operated civil works.

WE CAN SUPPLY THE COMPLETE PACKAGE FOR HYDRAULIC OPERATED:

- ✓ Traffic and passenger bridges
- ✓ Ro-ro bridges
- ✓ Shiplocks and gates
- ✓ Tide barriers
- ✓ Gates for water pumping stations

FORCE AND SPEED BROUGHT UNDER CONTROL

These civil projects are usually equipped with proportional technology. Thanks to a specially developed unique combination of hydraulics and electronics, as well as the incorporation of output controls operated by servos, the movement takes place in a perfectly controlled manner.

For some applications we make use of the unique HYDAC OXiStop and Purifier technology. Besides a smaller reservoir, the continuous degassing and dewatering process enables a lifetime extension of the hydraulic fluid.

Closed loop, open loop, OXiStop or frequency drive; we provide the best solution

Service & Modification

HYDAC also provides service and modification to existing structures. Maintenance can be carried out on the spot on a regular basis or when required.

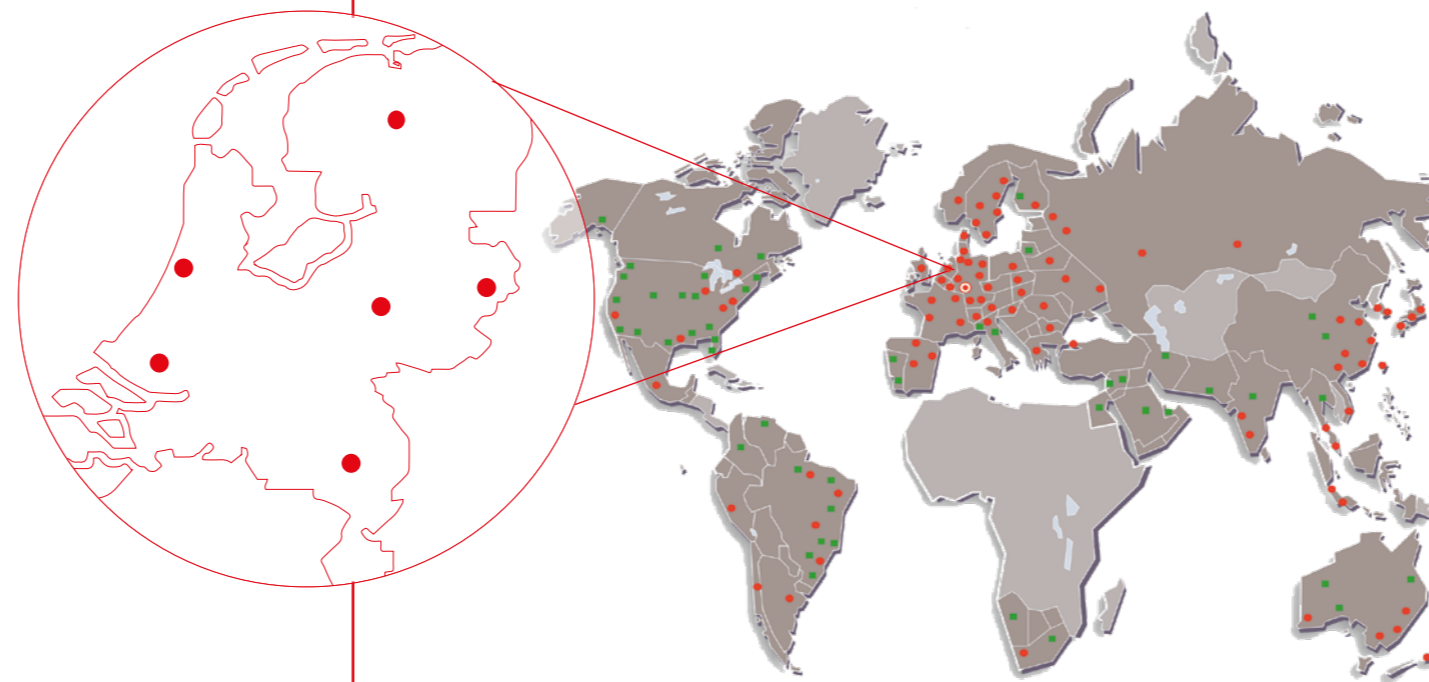
For regular maintenance we can offer a wide range of possibilities which include a service agreement, customized to your requirements. To prevent unexpected downtime of your system, we can install condition monitoring equipment. This way, maintenance and repairs can be done when it fits your planning, to minimize the downtime of your equipment.

When your existing system is outdated, it can be money and time efficient to overhaul, modify or upgrade your system to your newly assessed needs. The complete process, from engineering to commissioning of the new functions, can be done on location or in one of our workshops worldwide. You can focus on other parts of the project and rest assured the project will be finished on schedule.

INDUSTRY 4.0

We can install all kind of sensors to monitor the hydraulic system. By detecting the variations we can avoid downtime and unexpected costs. By applying the predictive maintenance strategy, so called Industry 4.0, we are able to monitor your system even from a distance.

Sustainable through long lasting, cost-reducing solutions, worldwide.



For civil works we focus on the best transition from design to construction phase.