

# About us



## Off-Highway Powertrain Services – more than 250 years of engineering experience, for your capital equipment

*Off-Highway Powertrain Services (OHP Services) provides a full range of preventative, predictive and engineering services for (heavy) industrial, petrochemical and marine drive systems. From regular inspections and alignment through to bespoke multi-discipline condition monitoring systems, OHP Services focuses on maximising the safety, uptime and longevity of your capital investments.*

### ► Powertrain System Commissioning

Make sure it's right the first time! OHP Services installs new or replacement components and systems and uses a variety of modern service technologies to verify that everything is ready for operations. As always, OHP Services provides a detailed report confirming key parameters and work completed.

### ► Repair and Refurbishment

OHP Services provides on- and offsite repair and refurbishment services for a wide range of industrial and marine powertrain components and systems, regardless of age or manufacturer.

With 28 service centres in Europe and China and an efficient spare parts distribution network, OHP Services is positioned to provide a quick turnaround and flexible service.

### ► Powertrain System Alignment

Regular alignment of all powertrain components and rotating process tooling is essential to minimise vibrations, wear and premature failure. A properly aligned system also enables optimum product quality by ensuring stable operating conditions and reducing torsional oscillations. OHP Services service technicians are trained to utilise advanced alignment methods, such as thermal growth compensation to achieve the best possible results.

All system alignments are accompanied by a detailed report, confirming the systems alignment condition.

### ► Vibration Analysis

Vibration is both a key indicator of and cause of damage for powertrain systems. Whether misalignment, imbalances, bearing damage or improper isolation, OHP Services service technicians will systematically analyse your powertrain to find the true root cause. OHP Services doesn't just find the problem, we also realise the solution.

### ► Torque Measurement and Monitoring

Torque spikes and torsional vibrations are a leading cause of fatigue and unexpected failure in powertrain components. OHP Services has decades of experience in the design, installation and operation of torque measurement and monitoring systems.

Data can be made directly available to the customer, integrated into the machine's control systems or monitored and analysed by OHP Services experts – onsite or remotely from anywhere in the world. Detailed recommendations and follow-up actions are, of course, all part of the package.



#### ► **Bespoke Condition Monitoring Solutions**

OHP Services provides a complete condition monitoring service. Starting with system design and commissioning, and continuing right through to continuous monitoring, detailed reporting and follow-up maintenance activities; OHP Services has it covered. However varied your monitoring requirements are, our infrastructure and advanced cloud monitoring solutions will be tailored to your exact needs.

As world leaders in driveshaft technology, OHP Services has developed proprietary algorithms and processes specifically for the analysis and monitoring of bearing degradation in cardan shafts. This unique capability allows OHP Services to provide customers with early warning of damage or failure, taking the guesswork out of cardan shaft maintenance.

#### ► **Cardan Shaft Monitoring**

The unique design of cardan shafts and their universal joint bearings require special techniques for vibration analysis. Unlike fixed bearings or the bearings found in gearboxes, those utilised on cardan shafts function with an oscillating motion. This presents a unique challenge for traditional vibration analysis and condition monitoring methods.

## OFF-HIGHWAY **POWERTRAIN SERVICES**

### **WORLDWIDE**

Off-Highway Powertrain Services collaborates with manufacturers and logistics partners worldwide: benefit from our extensive network. By means of our Service Parts Availability Module, you can define which part are to be available, and how quickly they can be delivered to your location – regardless of manufacturers. We also offer customized spare parts to our clients on stock.

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