



MOBIS[®]

MOBILE AND MARINE POWER SYSTEMS







We are on the move...

...wherever you need us. Fast, flexible, and reliable.

STORM offers you comprehensive service packages for different applications and sectors.

As one of the largest European OEM-independent service companies for all common main propulsion and auxiliary drives, you obtain not just the guaranteed quality, but also comprehensive and professional advice from our qualified service specialists.

Our experience in engine service goes back almost 80 years.

On the following pages we present a tour through our multifunctional service program.

Our Service Center Mobile and Marine Power Systems **MOBIS®** will answer all your questions regarding the topic of engines.

SERVICE CENTER MOBILE AND MARINE POWER SYSTEMS



Services all around the maintenance and overhaul of diesel and gas engines in Mobile and Marine Power Systems

Comprehensive support and service

- Engine overhaul for main and auxiliary drives
- Service for conventional propulsion systems up to diesel and gas electric systems
- Economical service, speed and flexible solutions during harbour laytimes
- Performance of preventive and corrective maintenance worldwide
- Repowering, upgrading and optimization
- Accurate and direct damage and cost analysis
- Laser alignment and foundation laying of drive systems
- Comprehensive advice in funding and insurance questions

Mobile machining on site

- Machining of cylinder liner seats (collar seats)
- Setting of L and Z rings
- Repair of the lower cylinder liner seats
- Repair of cooling water connections
- Laser measurement of main bearing pockets
- Drilling of main bearing pockets



Additional services

MOBIS® maintenance programme

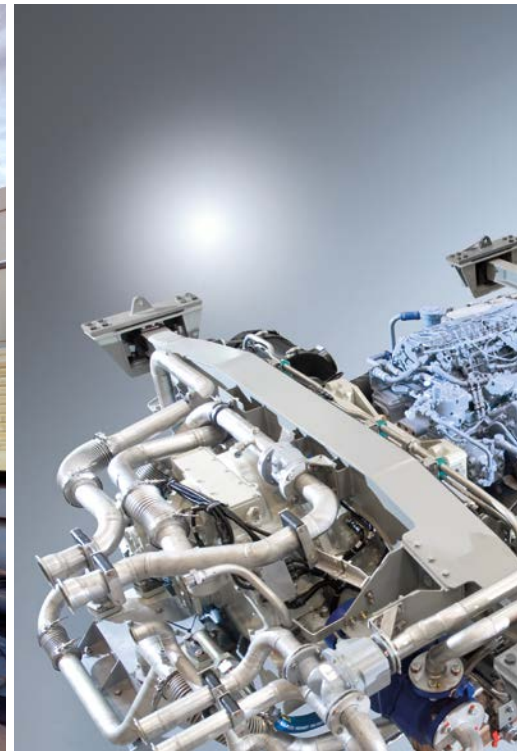
- Minor **MOBIS®** engine overhaul
- Major **MOBIS®** engine overhaul
- **MOBIS®** cylinder head overhaul
- **MOBIS®** injection technology
- Extensive **MOBIS®** exchange part program

Service for marine governors and control units

- Service for hydraulic and electronic governors
- Upgrading from mechanical to electronic governors



SERVICE CENTER MOBILE AND MARINE POWER SYSTEMS



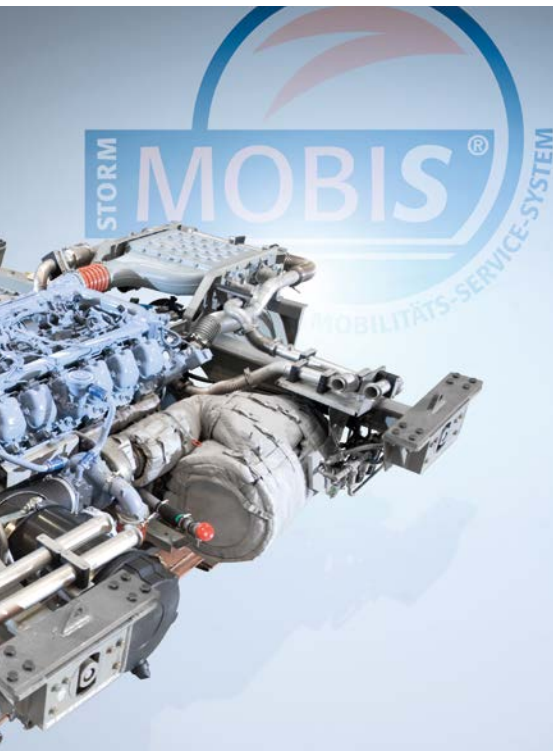
The direct route to us

Minimize the downtimes of your diesel locomotive and bring it directly to Spelle for maintenance and overhaul.

We have our own repair track. As a result, work can be performed on locomotives fast, uncomplicated and with as short down time and effort as possible for the customer.

Service for all common diesel engines in locomotives and railway vehicles

- Mobile, mechanical machining of crankcases
- Existing side track, including removal and installation of the prime mover
- Locomotives, railcars, mobile working machines
- Service for mechanical and electronic controllers
- Inspection and overhaul of electronic engine controllers
- Upgrading from mechanical to electronic governors



Railway traction vehicle and construction machines

- Overhaul and maintenance of propulsion systems in railway vehicles, construction machines and industrial trucks
- Overhaul of all common gear boxes and engine components
- Upgrading and system optimization
- Engines and spare parts
- Extensive exchange part programme
- Overhauling of power packs for railway traction vehicle
- Accurate and direct damage and cost analysis
- On site service

SERVICE CENTER MECHANICAL MACHINING



Overhaul and manufacturing of machines and system components

- Overhaul of all engine components
- New manufacturing of engine components
- Case machining, including liner seats and water connections
- Spindling of main bearing bores and machining of the cylinder liner seats worldwide, directly on site
- Grinding of crankshafts up to a length of 8,000 mm and a weight of 12 t
- Mechanical machining with special portable tools and machines
- Reconditioning of crankcases with L and Z rings
- Honing of cylinder liners
- Complete overhaul of charge, discharge and industrial pumps
- Metal spraying and laser cladding



The maintenance and repair of engines requires a well trained team with extensive knowledge and an optimal range of machines and tools. The workshop areas in our factories are equipped with high-quality production and machining centres.

SERVICE CENTER MECHANICAL MACHINING



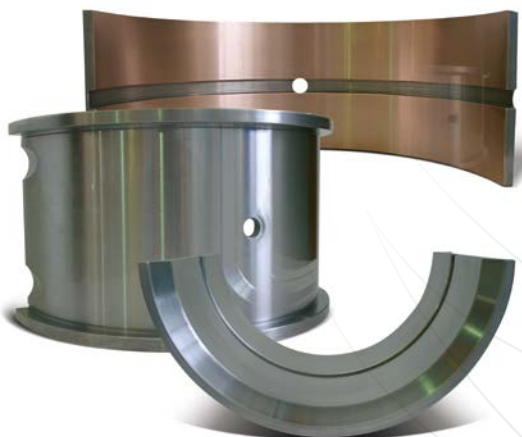
With almost 80 years of experience in crankshaft grinding, our company has also become the specialist in the revision and manufacturing of slide bearings. All common slide bearings are individually manufactured in house.

Products

- Standard slide bearings for all common engine and compressor types
- Over- and undersize slide bearings in all configurations
- Slide bearings for older engine types
- Individualized special products

Testing

- Quality testing and documentation of each individual slide bearing by qualified personnel during manufacturing and before delivery
- Guaranteed traceability through the labelling of our self-manufactured bearings





Our Injection Technology department is equipped with the latest technical equipment, in particular with a highly modern, Bosch-certified test stand with a power range from 15 to 38 kW.

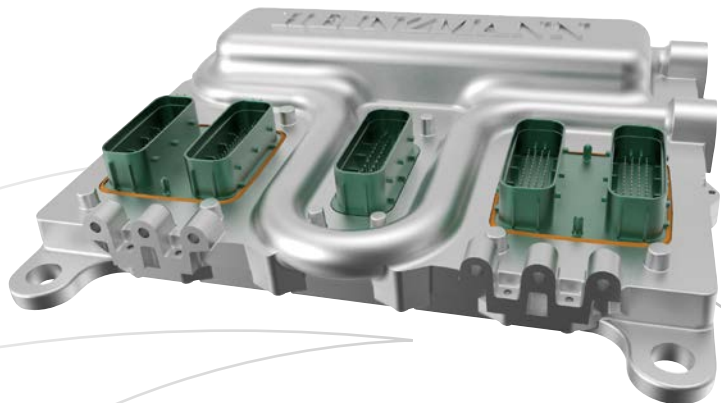
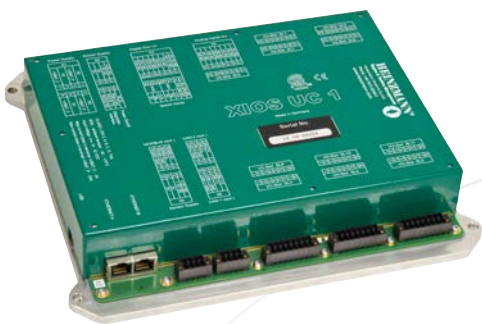
Injection and injector technology

- The testing and servicing of injection pumps and injection nozzles for marine engines, railway engines, agricultural machines and stationary plants
- P pumps, ZWM pumps, series pumps, individual pumps
- Adjustment of the injection pumps on certified test stand
- Mechanical machining of pump components



Governor service

- Service for hydraulic and electronic governors
- Upgrading of mechanical governors to electronic governors (e.g. GAC and Heinzmann)



SERVICE CENTER ENGINE SPARE PARTS



Fast, flexible, and reliable delivery of engines and spare parts

- Original spare parts and high-quality, alternative parts of all well-known manufacturers such as Deutz MWM, MTU, Caterpillar, Cummins, Mitsubishi, Scania, AGCO Power, Bolnes, Stork, Sulzer A/S 4 stroke, SACM, Poyaud, Crepelle, MAN and MaK
- Maintenance-level-dependent spare part packages, spare part kits, gasket sets
- Certified exchange parts for engines and systems
- Overnight shipment on customer demand



SERVICE CENTER

RECONDITIONED ENGINES AND COMPONENTS

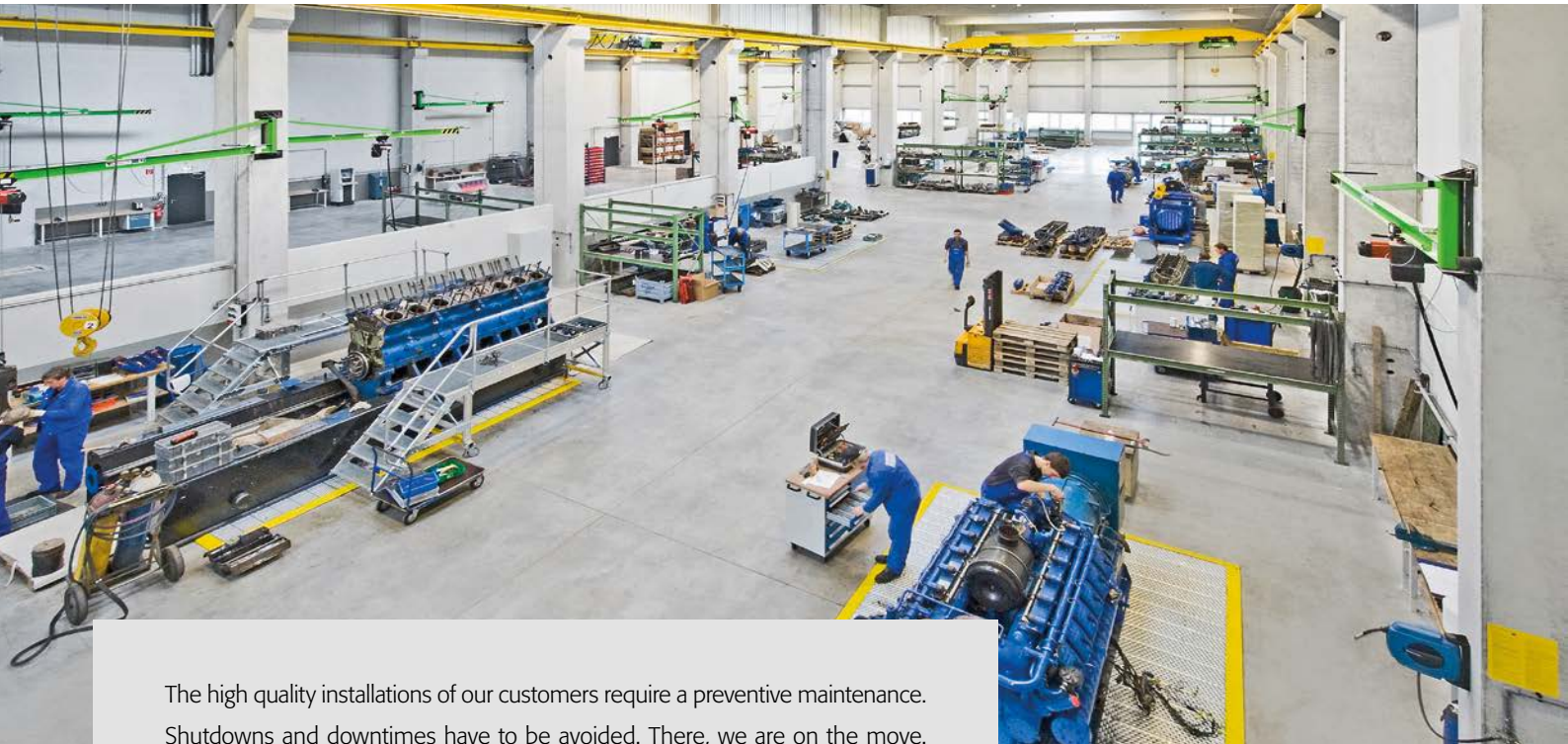


Service and advice for the sourcing of all certified and pre-finished engine parts and components

- Overhauled, certified components and engines according to manufacturer's instructions
- Reconditioned engines and components, on request with certification by a classification society
- Oil coolers, water pumps, injection pumps, pistons, cylinder heads, turbochargers etc.
- Reconditioned crankshafts with quality certificates (Certified by a classification society)
- Quality according to EN ISO 9001
- We look for and locate parts on your behalf – our service for your special requirements



STORM QUALITY MANAGEMENT



The high quality installations of our customers require a preventive maintenance. Shutdowns and downtimes have to be avoided. There, we are on the move.

We continuously work based on highest quality requirements in compliance with legal occupational safety regulations in all operating areas.

Our certifications according to EN ISO 9001, EN ISO 14001 (Environmental Management System) and EN ISO 50001 (Energy Management System) guarantee you OEM-independent quality at the highest level.

In addition, our customers test us with regular, individual audits and certifications.



OUR LOCATIONS 24/7 SERVICE TELEPHONE

We are available with our area-wide network at any time around the clock.

Due to their geographically central locations, our branch in Duisburg and service branch in Mannheim guarantee direct customer care, short distances and thus shorter laytimes.

24/7
Service telephone
+49 5977 73-247



Our partner companies for Mobile and Marine Power Systems:



Wulf Johansen KG GmbH & Co.



ScanDiesel GmbH



AUGUST STORM GMBH & CO. KG

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STORM 
Technology and Service for
engines and prime movers