

# Maintenance and Technical Support



## Repairs and maintenance of machines and electrical devices

Machinery and electrical servicing is performed in Lužice where a new workshop with modern equipment was built in order to provide top-notch professional services. Our team of qualified and experienced professionals perform a wide range of services in the area of machinery repair, from regular maintenance to overhauls of special machines, repairs of engines, chassis, frames, aggregates of hydraulic systems and other equipment. The company further performs installations of car electrical systems and welding work. All activities and results are recorded and comprehensively documented.

## Activities

- ▶ service, repairs and maintenance of equipment, including complete documentation
- ▶ overhaul of machinery
- ▶ repairs of engines and compressors
- ▶ design, installation, maintenance, repairs and revisions of electrical devices
- ▶ revisions of pressure, lifting and gas devices (for mining operations as well)
- ▶ inspections of hoisting equipment



### Equipment service, repair and maintenance

- ▶ repairs of hydraulic and pneumatic systems and machinery/electrical installation
- ▶ non-destructive testing
- ▶ surface treatments (sandblasting, painting)
- ▶ regular machining, welding, electrical and machinery installations
- ▶ repairs, production and assembly of steel structures and tanks including accessories and inspection
- ▶ repair documentation processing

### Repairs of engines and compressors

We are an authorized service of Caterpillar industrial engines and GEP engines of Olympian power generators. We perform:

- ▶ Regular service
- ▶ Repairs up to general overhaul
- ▶ Service and maintenance with the help of the fully equipped mobile shops
- ▶ Inspections and repairs of natural gas compressors (DRESSER - RAND, SAFE, GEMINI and ARIEL)

### Overhaul of machinery

- ▶ consultations about the extent of repairs and providing of spare parts
- ▶ loading and transport (transport to our premises)
- ▶ disassembly of machine and breakdown into individual parts
- ▶ change or repair of spare parts
- ▶ machine assembly and transport to customer
- ▶ fitting the machine, its assembly and completion with the attached technology
- ▶ handover of the work, activation, testing of operability

### Design, installation, maintenance, repair and revision of electrical devices

We offer complete delivery of services, starting from project documentation, including industrial PLC programming, through to the assembly of equipment up to and including the revision report verifying safety of the given installation, including subsequent service and maintenance of the equipment. Our services can be performed in environments with a risk of explosion of flammable gases and vapors. We have also authorization and certification to carry out assemblies and revisions of electrical equipment supervised by Mining authority in category C0-4 and C8.

- ▶ designing electrical devices by the help of program EPLAN electric P8
- ▶ programming PLC Schneider Electric
- ▶ assembly and service of equipment with the help of mobile workshop units
- ▶ revisions of low and high voltage electrical devices up to 35 kV in classes A, B, C