

# Rig Storage and Reactivation



Many of our customers experience challenges when reactivating a stacked rig due to degraded equipment and unknown condition of the equipment. As an Original Equipment Manufacturer (OEM), MHWirth provides reliable, safe and efficient rig storage and reactivation services to ensure efficient and predictable reactivation process. This will qualify your equipment for an extension of Certificate of Compliance (COC). Depending on our customers' operational needs, MHWirth can provide a full package of reactivation services. Our Service Account Managers will support and guide you during the reactivation process.



## Preservation and Storage

Our safe, efficient and economic preservation and storage service ensures a documented condition of the equipment to safeguard quality and prevent loss of property. Equipment stored, preserved and reactivated by MHWirth as an OEM will qualify for an extension of its Certificate Of Compliance (CoC). Additionally, uptime and lifetime of the equipment can be prolonged.

According to OEM preservation procedures, we supervise the initial preservation, regularly inspect and verify the storage conditions and restore, if necessary.

## Rig Inspection Before Reactivation

Based on your specific equipment history, our experienced inspectors use rig-specific checklists to evaluate the equipment condition precisely – with a special focus on the impact of long-term storage. Based on the results, we define a precise scope of work for the equipment, always with a strong focus on optimal performance and safety.

### Benefits

- Rig preservation and storage according to OEM guidelines will extend the lifetime of the equipment and qualify your equipment for an extension of the Certificate Of Compliance (CoC)
- Detailed documentation allows predictable and cost effective reactivation of equipment
- The OEM documented condition of equipment is a competitive advantage for new drilling contracts

### Benefits

- Standardized process and equipment specific checklists
- A detailed rig inspection report on equipment status and condition
- OEM recommendations with full information on the scope of work
- Predictable cost and shortened time for reactivation

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## Equipment Preparation for Operation

Based on the results of our inspection and in cooperation with our customers, we identify the exact scope of work and bring your equipment back into operation at a minimum time and cost. These services can include overhaul, repair, maintenance, re-certifications, installation or functional testing, as well as commissioning, just to name a few. Spare parts, product bulletins and rig specific upgrades can of course also be provided. The combination of MHWirth's OEM equipment and our experienced personnel will ensure optimum efficiency for you rig.

## Training

With our comprehensive training portfolio, we ensure that your crew is well-prepared when the rig goes back into operation. Our training program covers different job requirements and targets all relevant personnel on the rig. It comprises eLearning, classroom training, simulator and practical training – according to your requirements. Our training facilities, with regional centers provide state-of-the-art learning tools, experienced instructors and offer your personnel an optimal learning experience.

## Performance Optimization

Once the rig is back into operation, optimal performance of the crew and the equipment is essential. Both are equally important, and with our optimization process we pave the way for a smooth start-up ensuring that the drilling equipment functions as requested and that the drill crew can operate the equipment correctly. Within our optimization process we identify, analyze and determine relevant actions in close co-operation with our customers.

### Benefits

- Extended Certificate Of Compliance (CoC) after successful integration test
- Updated/aligned OEM documentation according to class requirements
- Optimal and reliable performance – immediately after reactivation
- Reduced maintenance cost and risk of equipment downtime

### Benefits

- We train you at your location, and with training that suits your operation
- We provide experienced trainers with long-term practical experience in all relevant fields
- Highly advanced simulator training with feedback from virtual wells
- All of our courses can be purpose-made for your rig
- Optimal and reliable operation – immediately after reactivation

### Benefits

- Based on the extensive knowledge of our equipment and with highly experienced personnel, we help you to
  - Increase top side efficiency
  - Reduce downtime
  - Reach high continuity in operational performance
  - Increase the lifetime of the equipment