

NOV Rig Systems

# REPAIR CENTRE

## Port Elizabeth, South Africa



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### Bringing Service and Repair to You

Our newest repair facility in Port Elizabeth is ready to quickly provide the local repair and service you need to help you thrive in Sub-Saharan Africa drilling market. Supporting the region since June 2014, this 79,381-square-foot facility is strategically located to help reduce downtime and shorten response times. Easy access geographically, a vast supply of parts and services on-hand and skilled repair technicians ensure we are prepared to keep your equipment running efficiently so you can maximize uptime.

Our qualified personnel are trained in the repair of a large variety of NOV equipment. All equipment is inspected thoroughly to meet NOV's quality standards, and only OEM replacement parts are used to refurbish your equipment. Our support for your operation goes beyond supplying equipment. By providing local service and repair through our facility, we help maintain your equipment and assist your crew.



## Capabilities

Equipment refurbished includes but is not limited to: BOP's, Ram blocks, Top Drives, Iron Roughnecks, Mud Pumps, Riser handling Tools, Accumulators, Cylinders (small & large), Depth Compensator Bottles (DCB's), Crown Blocks, Travelling Blocks, Hook Blocks, Rig floor equipment including: V-door Machine, Pipe Tail in Arm, Work Baskets, Gripper Yoke, Gripper head for Hydraracker, Hydratong, Guide Arm, Manipulator arm, Elevators and many more.

A full refurbishment and recertification service is available on one premises, including machining, welding, Post weld heat treatment, coating and testing. We have a blast and paint facility that performs coating to NACE level 2 requirements as well as applying premium coatings such as Xylan or Everslik. Data books and COC's are issued, as applicable.

## Workshop Facility

Our repair centre workshop has two overhead cranes (40 ton and 20 ton) with hook heights of 8.5 meters, with the ability to synchronize and lift 60 tons using a spreader beam. The gantry runs for 12 meters outside of the workshop. The cranes can travel out of the workshop through a Top hung door- in order to load/offload vehicles parked outside the workshop. The facility has nine work bays, each fitted with a 2 ton jib crane. A hydraulic oil system is connected via pipework and quick coupling system to each of four working bays to facilitate function testing of hydraulic systems on rig floor equipment. Air pressure for use with pneumatic air tools, is available at each work bay.



## Testing capabilities:

### Pressure testing:

Our facility includes a pressure testing pit with hydraulic closing lids and built in high resolution camera system. Our high pressure pump can handle pressures up to 30 000 psi. We carry a large number of standard API blind flanges, studs and nuts.

### Top drive test stand:

Our test stand can perform FAT tests on any top drive currently supplied by NOV.

### Elevator load test:

We can currently load test up to 500T elevators and we are busy upgrading the test bench to handle 750T elevators.

### Riser Running Tool Load test:

We have designed a test jig for load testing of Riser Running Tools.

### Iron Roughneck Test Stand:

We have a stand on which Iron Roughneck FAT can be performed.

### BOP door test jig:

We are one of only two facilities worldwide that has a jig with which the BOP doors (14" & 22") can be FAT 'ed without the need for BOP body.

### Spherical BOP function test:

We have a new Koomey unit with which any size SBOP can be opened and closed within the API prescribed durations.