Port Fourchon Dockside Tubular Support Center

Advanced and efficient maintenance for offshore tubular inventories
Efficient centralized facility
Conveying and servicing drillstring components for operations in the Gulf of Mexico can increase the
time, risks, and costs associated with handling. To minimize these challenges, DRILCO established a
dockside facility at C-Port II in Port Fourchon, Louisiana, USA.

At the Port Fourchon facility, multisize drillstring components can be unloaded directly from vessels
with minimal handling since services are done onsite with the aid of an automated conveyor system.
After servicing, the tubulars can be reloaded onto the vessels, reducing handling time, risks, and costs.

Safer, more practical alternative
The DRILCO C-Port II facility offers port-accessible inspection, cleaning, and manufacturing services,
24/7/365. Since its opening in 2000, the facility has provided a one-stop resource in deepwater
operations for major operators, independents, and drilling contractors.

<table>
<thead>
<tr>
<th>Tubular Maintenance Facility Comparison†</th>
<th>Standard Facility</th>
<th>DRILCO C-Port II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proximity to dock</td>
<td>Inland, up to 90 miles</td>
<td>Dockside</td>
</tr>
<tr>
<td>Loading and unloading trucks</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>Flatbed trailer required</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Automated conveyor system</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Turnaround time</td>
<td>6 days</td>
<td>3 days‡</td>
</tr>
<tr>
<td>Drillpipe serviced</td>
<td>Single</td>
<td>Single or double</td>
</tr>
<tr>
<td>Hours of operation</td>
<td>Regular business day</td>
<td>24/7/365</td>
</tr>
<tr>
<td>Weather restrictions</td>
<td>Clear weather</td>
<td>No restrictions</td>
</tr>
</tbody>
</table>

† Determined from 10,000 ft of S-1 drillpipe.
‡ Overtime charges may apply.

DRILCO experts at the C-Port II facility inspect tubulars to DS-1 Category 5 specifications with world-
class inspection units that exceed industry standards. Specialists clean and repair tubulars, subs, and
connections at the same dockside facility.

Extensive tubular handling capabilities
The C-Port II facility provides services for range 2 and range 3 drillpipe in singles and doubles and BHA
components, including stabilizers, pony collars, and running tool assemblies. The facility’s makeup and
breakout service for drillpipe and casing enables shipping in double lengths, which eliminates costly rig
time spent making up or breaking connections.

The facility has multiple dedicated bucking units and pipe handling systems that service tubulars from
2½ in to 23 in. The bucking systems can generate torque in excess of 100,000 ft.lbf for breakout and can
handle range 3 doubles.

A Tru-Torque® automatic torque control system ensures accurate torque values that are digitally
recorded for traceability.

<table>
<thead>
<tr>
<th>Casing</th>
<th>Time Saved, h</th>
<th>Estimated Savings, USD</th>
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</thead>
<tbody>
<tr>
<td>3,500 ft of 22-in OD</td>
<td>41 doubles</td>
<td>20</td>
</tr>
<tr>
<td>3,450 ft of 18-in OD</td>
<td>41 doubles</td>
<td>20</td>
</tr>
<tr>
<td>16,935 ft of 14-in OD</td>
<td>201 doubles</td>
<td>100</td>
</tr>
<tr>
<td>7,300 ft of 11¼-in OD</td>
<td>86 doubles</td>
<td>42</td>
</tr>
</tbody>
</table>

Note: Cost savings study is based on spread cost of USD 1 million.
1 hour saved = USD 41,000.
**Tubular inspection accuracy**

The C-Port II facility inspection capability exceeds industry standards for nondestructive testing. The facility offers a full range of inspection services, including full-length, dual-function electromagnetic inspection and 32-channel, full-length ultrasonic inspection that is specifically designed for deepwater tubulars. C-Port II inspectors perform individual single-channel inspections in real time, which garners the highest level of accuracy in inspection data.

**Controlled and efficient tubular cleaning**

To prepare tubulars for maintenance, inspection, or storage, the C-Port II facility uses a water blasting service. The facility can clean tubulars from 2½ in to 20 in and features an onsite 5,000-psi hot water, closed-loop system that prevents environmental contamination by capturing drilling solids for disposal. Higher pressure is available.

C-Port II specialists can perform pipe brushing concurrently with water blasting to ensure complete OD preparation. The facility offers sourcing for sandblasting to remove the external coating on new or corrosive tubulars.

**Guided service and manufacturing**

Tubular experts at the C-Port II facility use CNC and manual lathes to repair all API connections and proprietary SSDS and TSDS subs and connections. To prevent connection failures, technicians break them in using a specialized bucking unit. The C-Port II facility offers laser tally, full-length drift, and visual inspection of the thread couplings, as well as cold rolling to increase fatigue life and kemplanting to provide a barrier between metallic surfaces.

New subs and pup joints are manufactured at the facility, which also offers new Hevi-Wate* transition drillpipe and drill collars.

The DRILCO dockside facility is the only fully API-certified machine shop on the Gulf of Mexico coast that is port accessible.
Find out more about DRILCO drilling tool services at DRILCO.com.

**DRILCO Inspection Services**
Qualified personnel offer a full range of inspection services that include third-party and customer-defined standards.
[DRILCO.com/inspection](http://DRILCO.com/inspection)

**DRILCO Machine Shop Services**
DRILCO operates every day, around the clock, to recut and repair tubulars. Expert technicians service common tubular connections as well as proprietary connections that require specialized licensing.
[DRILCO.com/machining](http://DRILCO.com/machining)

**DRILCO Casing and Drillpipe Bucking Services**
DRILCO services 2 3⁄8-in to 23-in range 3 doubles and generates torque up to 100,000 ft.lbf dockside at its C-Port II facility, saving valuable rig time.
[DRILCO.com/bucking](http://DRILCO.com/bucking)