

## Forum's Model 5000 Pipe Wranglers™ Catwalk Increases Operational Efficiencies and Addresses Rig Floor Heights and Lifting Requirements

### The Challenge

A customer drilling in the Middle East needed to safely deliver tubulars to rig floors with substructure heights of 40+ feet. Because redundant, high-pressure blowout preventers (BOPs) were required in this region, operating rigs with taller rig floor heights were needed, which fatigued rig personnel after repeatedly walking from the pipe deck to the rig floor when running pipe. The taller rig floors also resulted in poor pipe presentation to the well center and increased tailing efforts.

The client's crew needed to access tubulars from a more favorable position, while reducing the amount of time walking up and down the stairs. Conventional pickup and laydown systems had previously been attempted, but due to the taller rig floors, the presentation angle was not attractive and substantially unsafe. The additional rig-up time also contributed to nonproductive time (NPT).

### The Solution

Based on the Pipe Wranglers™ hydraulic catwalks' reputation for quality and improved uptime and more than 1,100 installations around the world, the client contacted the Forum Energy Technologies Drilling team to find a solution.

Forum specifically designed the Pipe Wranglers Model 5000 catwalk to address the customer's challenges and requirements. The substantially longer unit addressed the taller rig floors, but made logistics a challenge. This was resolved by making the catwalk a two-piece unit, allowing the client to separate the unit for rig moves. The assembled length also made running doubles and triples possible so Forum's drilling team designed and manufactured the 5000 in all variations: single, double and triples.

Forum was the first company in the Middle East to meet the challenge of designing, manufacturing and installing a mechanized catwalk on a rig floor taller than 38 feet. Since the introduction of the new catwalk, additional units have been ordered and inquiries received for new units.



*The Pipe Wranglers Model 5000 catwalk easily accommodates the taller rig floor of rigs in the Middle East.*

### **The Benefit**

The introduction of Forum's Pipe Wranglers Model 5000 catwalk allowed the client to continuously run tubulars, which decreased NPT and openhole time while running casing. Running doubles and triples reduced the overall cycles required per well, which proportionately increased efficiency and the life of the asset, and helped make a smoother borehole because fewer connections are needed. The new series of catwalks also improved health, safety and environmental (HSE) conditions; thus, promoting a safer and less fatigued work environment.