

Horizontal Tubular Handling System (HTHS)

Consistent time savings enables parallel operations horizontally from well center

Applications

Land drilling operations in Middle East desert environments

How it improves wells

- Improves pipe-handling capabilities to decrease total well construction delivery by 10%, resulting in lower cost-per-foot drilling and increased footage drilled per rig
- Supports emissions reduction goals by reducing rig time on site

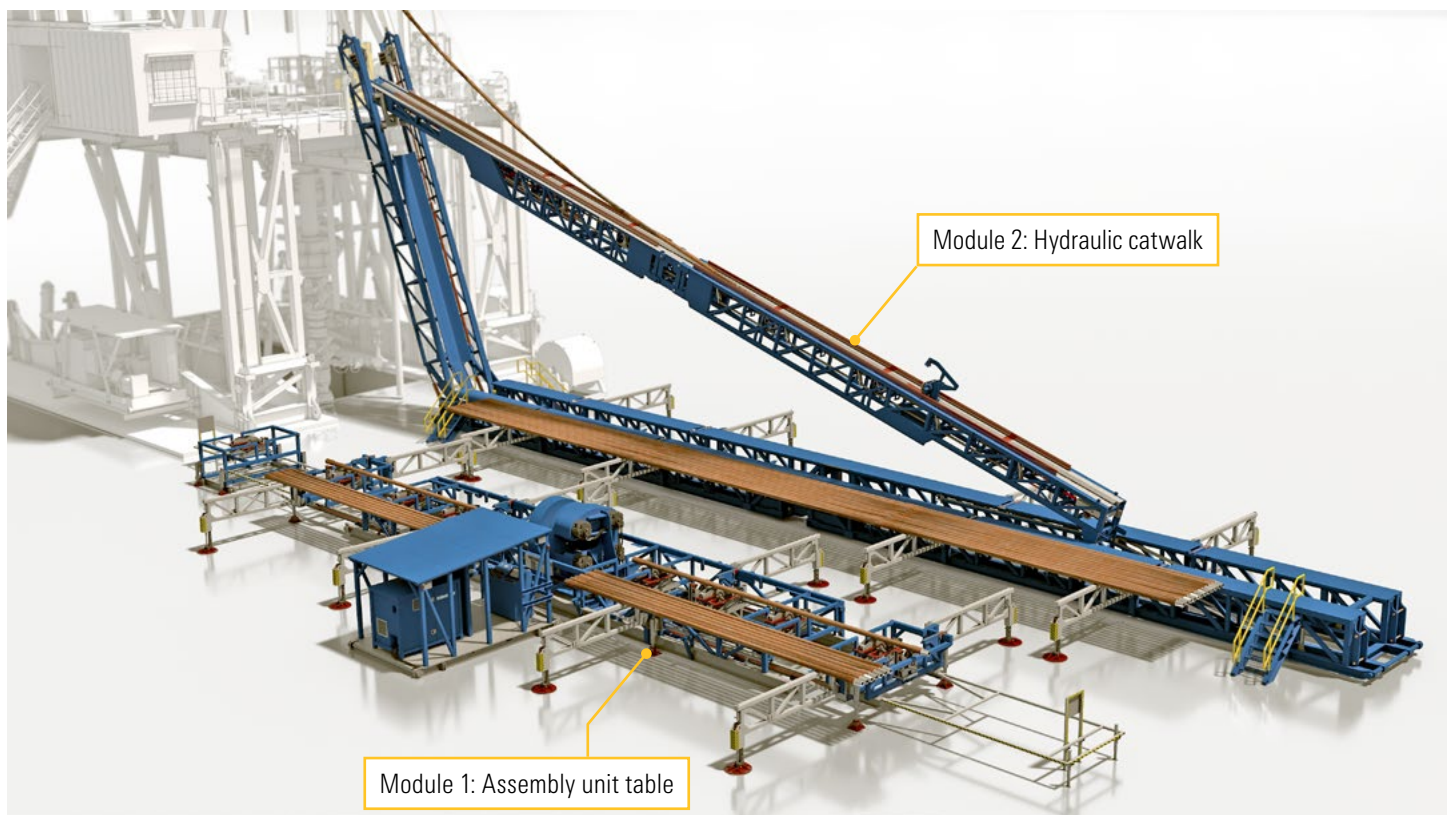
How it works

The horizontal tubular handling system (HTHS) is an integrated, fit-for-purpose solution specifically for land drilling operations in Middle East desert environments. The system is designed to horizontally make up and break out various combinations of drilling tubulars, BHA, and casing, away from well center.

The system comprises two modular components engineered to work together in a coordinated manner: a hydraulic catwalk and an assembly table with an integrated side-entry bucking machine; however, the system is modular for flexibility in how the system is used. The catwalk and bucking machine can be moved to support drilling rigs in a field when needed.

The takeaways

The HTHS enables makeup or breakout of double stands of casing and triple stands of drillpipe, horizontally away from the rig floor. Estimated savings for casing running is up to 45%, and time saved on BHA makeup and programming is estimated at up to 65%, based on existing rig data from Schlumberger operations. Schlumberger can simulate additional savings for stand building and rig moves.



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