



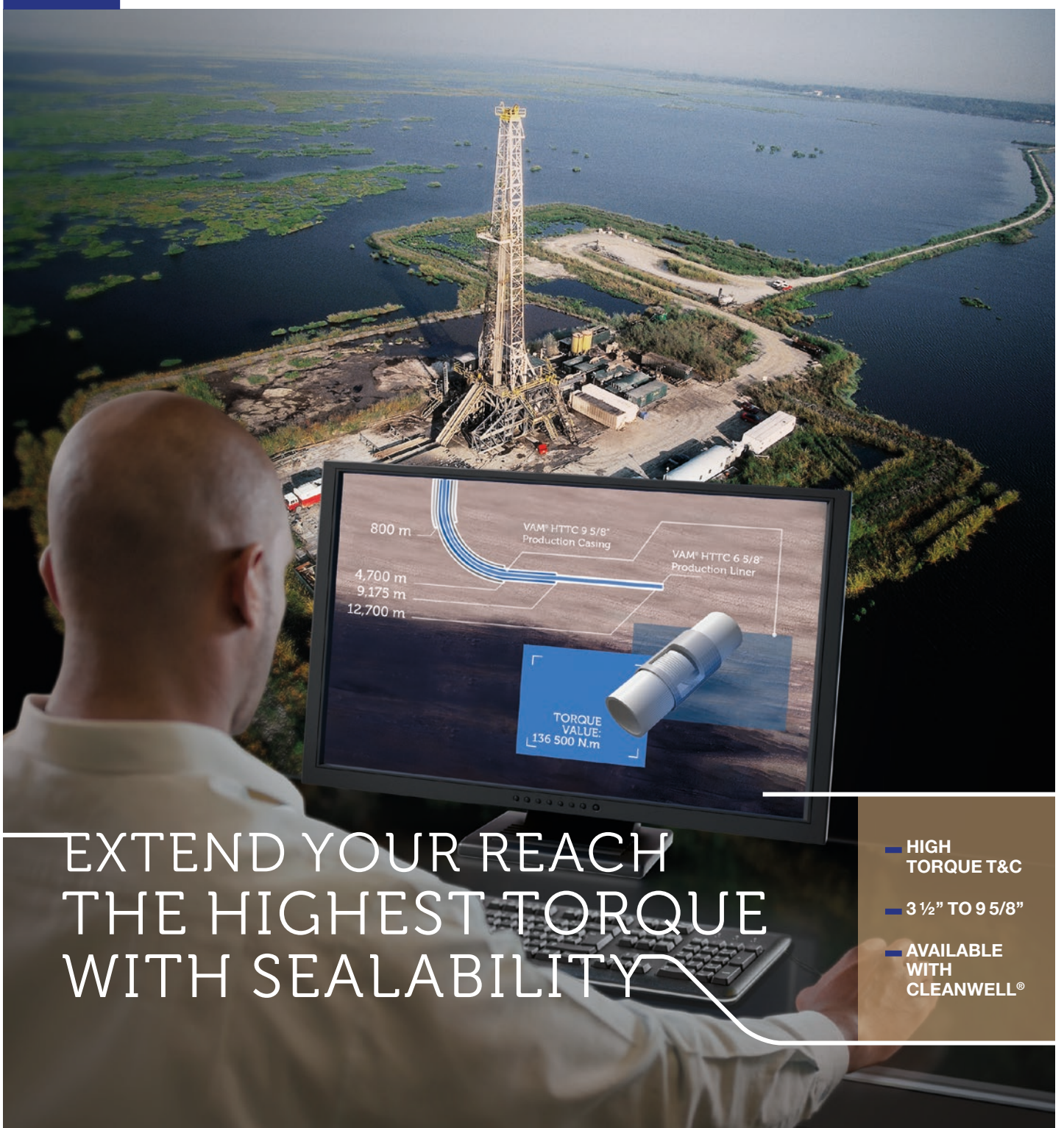
HIGHEST  
TORQUE



HIGH  
PERFORMANCE



EXTENDED  
REACH



EXTEND YOUR REACH  
THE HIGHEST TORQUE  
WITH SEALABILITY

- HIGH TORQUE T&C
- 3 1/2" TO 9 5/8"
- AVAILABLE WITH CLEANWELL<sup>®</sup>

# VAM® HTTC

## AN ADVANCED PREMIUM CONNECTION, UNRIVALLED ON THE MARKET, OFFERING THE HIGHEST TORQUE WITH SEALABILITY PERFORMANCE

VAM® HTTC presents the ultimate solution for high torque needs. Specially designed for deviated wells, the extreme torque withstands the increased friction of string rotation through the bend and along the full length of the horizontal section. Even at maximum torque (MTS) full sealability is guaranteed.

### PERFORMANCE

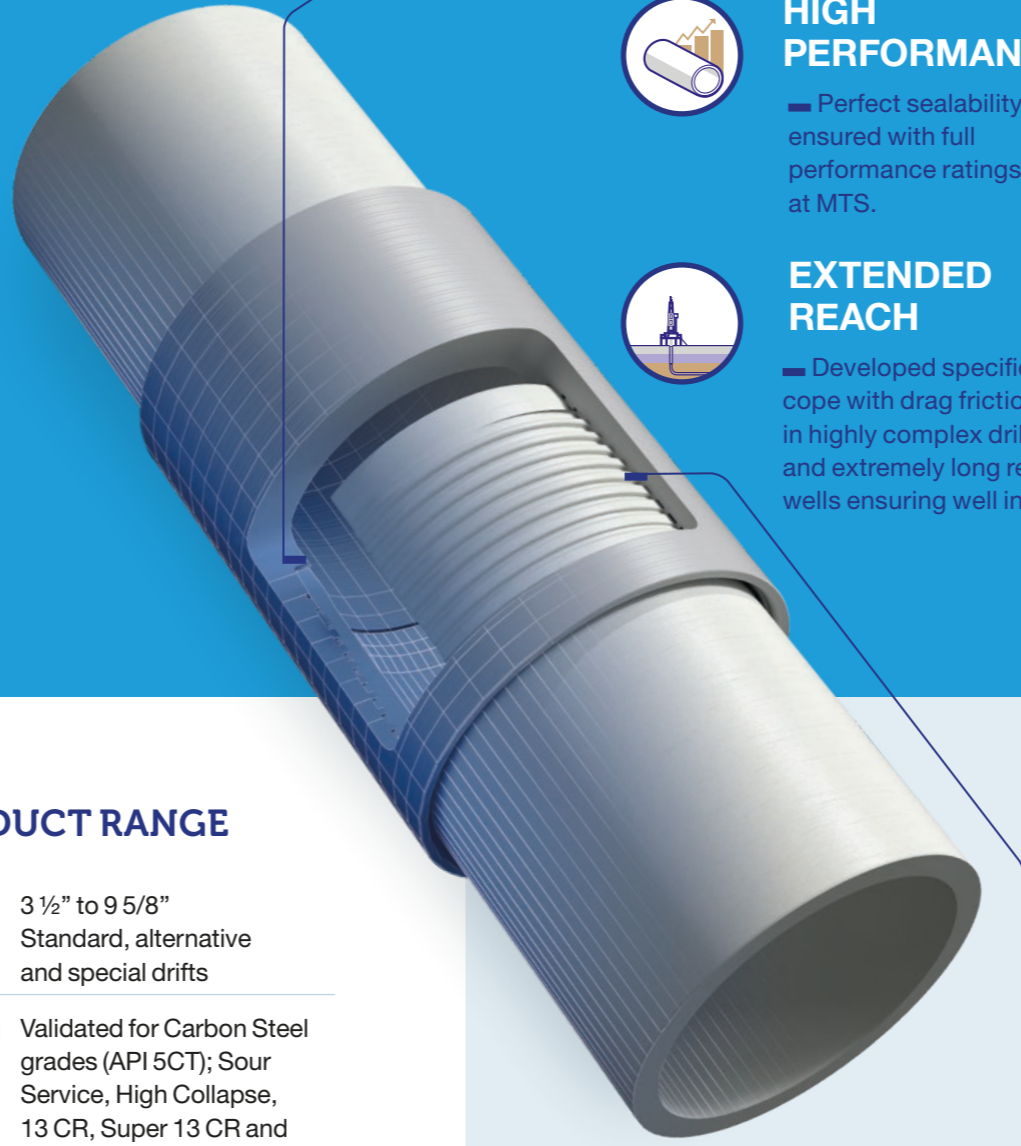
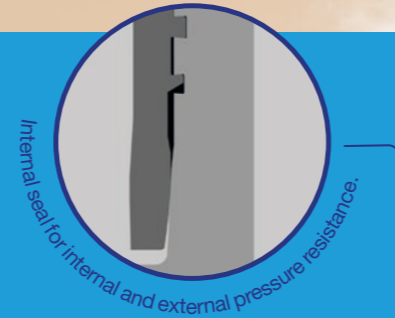
- Gas sealability as per API RP 5C5: 2017 CAL IV including at Maximum Torque with Sealability (MTS)
- Tension: 100% PBYS capacity
- Compression: 80% PBYS compression
- Bending validated up to 42°/100ft under combined loads
- Thermal cycles up to 180°C (356°F)

### APPLICATIONS

- Ultra high torque requirements with high performance
- Extended reach wells
- Long horizontal sections
- Rotating while cementing
- Drilling with casing

### PRODUCT RANGE

- OD:** 3 1/2" to 9 5/8"  
Standard, alternative and special drifts
- Grades:** Validated for Carbon Steel grades (API 5CT); Sour Service, High Collapse, 13 CR, Super 13 CR and Corrosion Resistant Alloys (API 5CRA)
- YS:** From 80 ksi up to 125 ksi



### HIGHEST TORQUE

Withstands high friction of string rotation during cementing in highly deviated or horizontal sections of the wellbore.



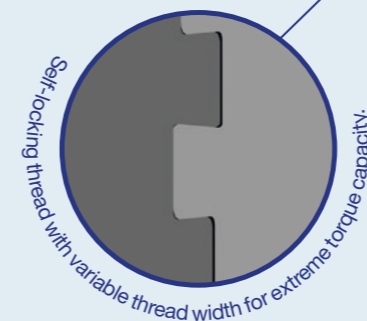
### HIGH PERFORMANCE

Perfect sealability ensured with full performance ratings at MTS.

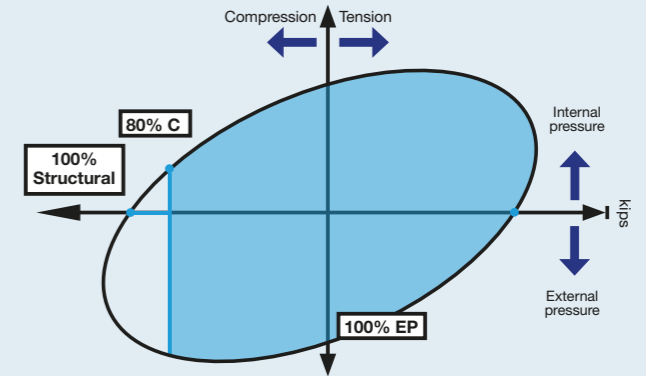


### EXTENDED REACH

Developed specifically to cope with drag friction force in highly complex drilling and extremely long reach wells ensuring well integrity.



### VAM® HTTC - SERVICE LOAD ENVELOPE FOR API RP 5C5: 2017 CAL IV PERFORMANCE



## THE PERFECT DUO – VAM® HTTC & CLEANWELL® TECHNOLOGY

CLEANWELL® is a non-polluting coating applied in the mill to threaded connections replacing both storage and running compounds. Delivered "rig-ready", means reduced handling operations, both in the yard and on the rig. It ensures rapid and safe running in challenging operations, provides excellent sealability and improved protection against galling and corrosion. The result: lower operating costs.

**+30%**  
NUMBERS OF JOINTS RUN PER HOUR<sup>(1)</sup>

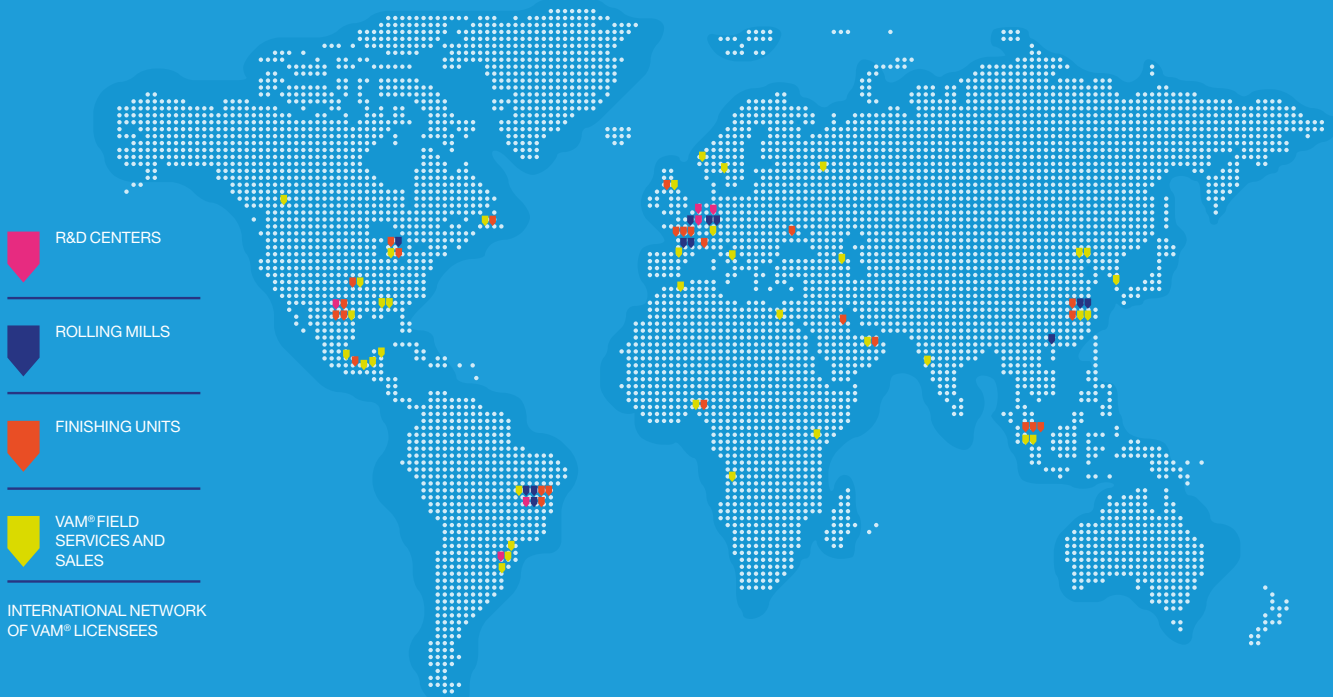
HANDS-FREE

COMPLIANT WITH OSPAR COMMISSION<sup>(2)</sup>



<sup>(1)</sup>Observed during controlled tests compared to conventional running compound  
<sup>(2)</sup>Convention for the protection of the marine environment of the north-east atlantic

# YOUR PARTNER, SETTING THE PACE FOR INNOVATION AND PERFORMANCE EVOLUTION



## NEED MORE INFORMATION?

Information is available online on [solutions.vallourec.com](https://solutions.vallourec.com) or by scanning the following QR code.



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