

# X-treme WindowMaster whipstock system improves tripping speeds, saves rig time in an offshore sidetracking operation

## CHALLENGES

- Making up traditional whipstocks on the rig floor adds time, introduces safety risks
- Weak whipstock design reduces tripping speeds, limits applied torque when working through restrictions
- Deeper casing exit required to prevent wellbore collision and reduce risks
- Risk index highlighting severe category for this casing exit
- Passing thru oval casing and restrictions

## SOLUTION

[X-treme™ WindowMaster™ whipstock system](#) selected due to:

- A unique mill to whipstock connector that withstands high loads, rotates with high torque, pushes through restrictions
- Faster tripping speeds with less risk of connection damage
- Improved rig-floor handling since lead mill comes pre-made to connector
- Robust anchor design with few moving parts can be activated via annular pressure or mechanically

## RESULTS

- Decreased carbon emissions by reducing time for casing exit service
- Average tripping speed was 1.6 times faster as compared to a conventional system
- Saved 13 hours compared to fastest previous milling operation
- Milling window completed in 6.25 hours, well under the 10-hour target
- Analysis by xSight™ analytics service confirmed a superior milling job compared to conventional systems
- Allowed sidetrack operation from existing platform at exit point, decreasing drilling time to target

**“The X-treme WindowMaster whipstock has delivered outstanding performance, and has proven, safe, and efficient surface handling, limitless tripping operations, and a predictable and reliable anchor activation and milling operation.”**

– Morten Eidem  
Equinor