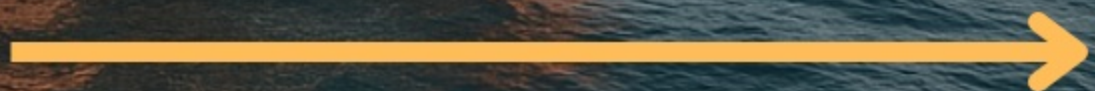


# Future of drilling automation

01/07



SWIPE





# Tripping Automation

Moving pipe in and out of the hole (tripping) is time-consuming and exposes crews to risk. Automating tripping can significantly reduce NPT (non-productive time) and improve safety.



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# Casing and Cementing Operations

Casing running and cementing are highly repetitive but critical tasks. Automating these could enhance precision and consistency—especially in HPHT or deepwater wells.



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# Real-Time Geological Steering

Next-gen systems will not only drill but interpret formation data on the fly, adjusting the well path autonomously to hit the sweet spot of the reservoir.



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# Remote and Rig Operations

Think "drilling from the cloud." One remote operations center controlling the rig operations without onsite personnel isn't science fiction—it's fast becoming reality.



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# Automated Drilling Optimization

Machine learning will continuously improve performance by learning from thousands of wells, automatically adjusting parameters to reduce flat time and cost.



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# What is your bet on future of drilling?

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