

Rheonics MudTrack

Real-Time in-line mud viscosity
and density tracking and control



Rheonics MudTrack® monitors, tracks and controls key parameters of all drilling mud formulations (WBN, OBM, and SBM) such as density and viscosity, enabling tight and consistent mud properties through out the entire well drilling process.

Relying on Rheonics sensors' accuracy and reproducibility, MudTrack allows rapid and automatic adjustment of mud weight and consistency to support borewell walls while reducing working stress of the drill.

Real time in-line mud viscosity and density tracking and control

Value Proposition of MudTrack

Mud density and viscosity are key to stable drilling performance. Continuous monitoring maintains proper pressure, efficient cuttings transport, and **borewell stability**, providing real-time feedback for precise mud adjustments.

Efficiency starts with correctly setting and verifying mud properties. Automated monitoring removes the need for manual checks, letting drilling crews focus on operations instead of routine measurements.

Continuous tracking of mud properties improves well stability and reduces the risk of costly drilling issues or non-productive time (NPT). This leads to higher operational reliability, **better performance**, and **overall cost efficiency**.

MudTrack controls the addition of mud property modifiers and helps with more consistent and **sustainable** drilling operations.



Direct in Tank Mud Monitoring



MudTrack HMI



Standalone MudTrack System

Key Benefits



Optimize Mud

Reduce wastage of weighting agents and base fluids



Higher Operator Trust

Eliminates manual measurement



Completely Automate

Clears the way for complete automation eliminating human error



Data-driven Decisions

Tracks and traces state and history of every slurry drum.



Rugged sensor probe cage for tough environments



Efficient operations

Reduction in man hours by 40%



Reduced costs

Automated control cuts labor, downtime, and fluid waste.



Higher Profitability

Optimized mud properties improving drilling efficiency.

How does MudTrack work?

Control

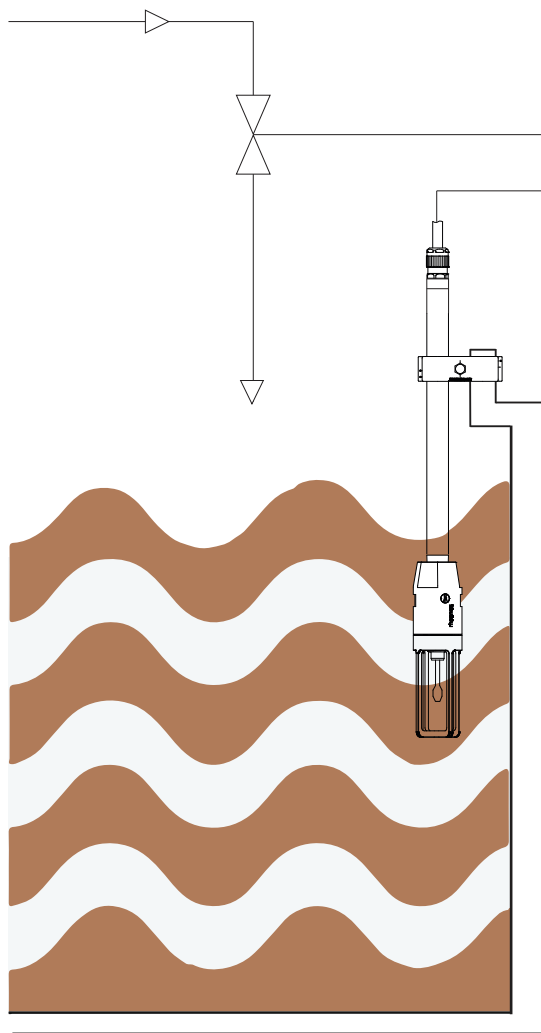
MudTrack automatically adjusts mud properties by comparing SRV/SRD viscosity and density readings to setpoints and activating a valve to add base fluid, maintaining optimal drilling performance.



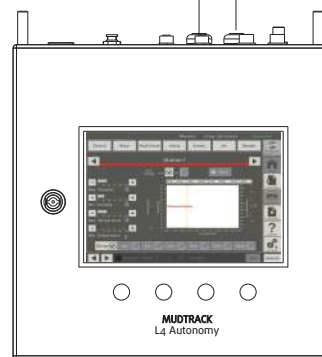
Measure



Rock solid inline, density and viscosity sensor to detect the smallest changes in mud properties



Sensor signal



MudTrack Controller

Rheonics MudTrack software tracks and traces mud viscosity and/or density



MudTrack SmartView



Mobile

State and history of mud is monitored, enabling advanced analytics and forensics working seamlessly with machine and factory systems

Add-Ons



Wireless Data Integration



Mounting accessories



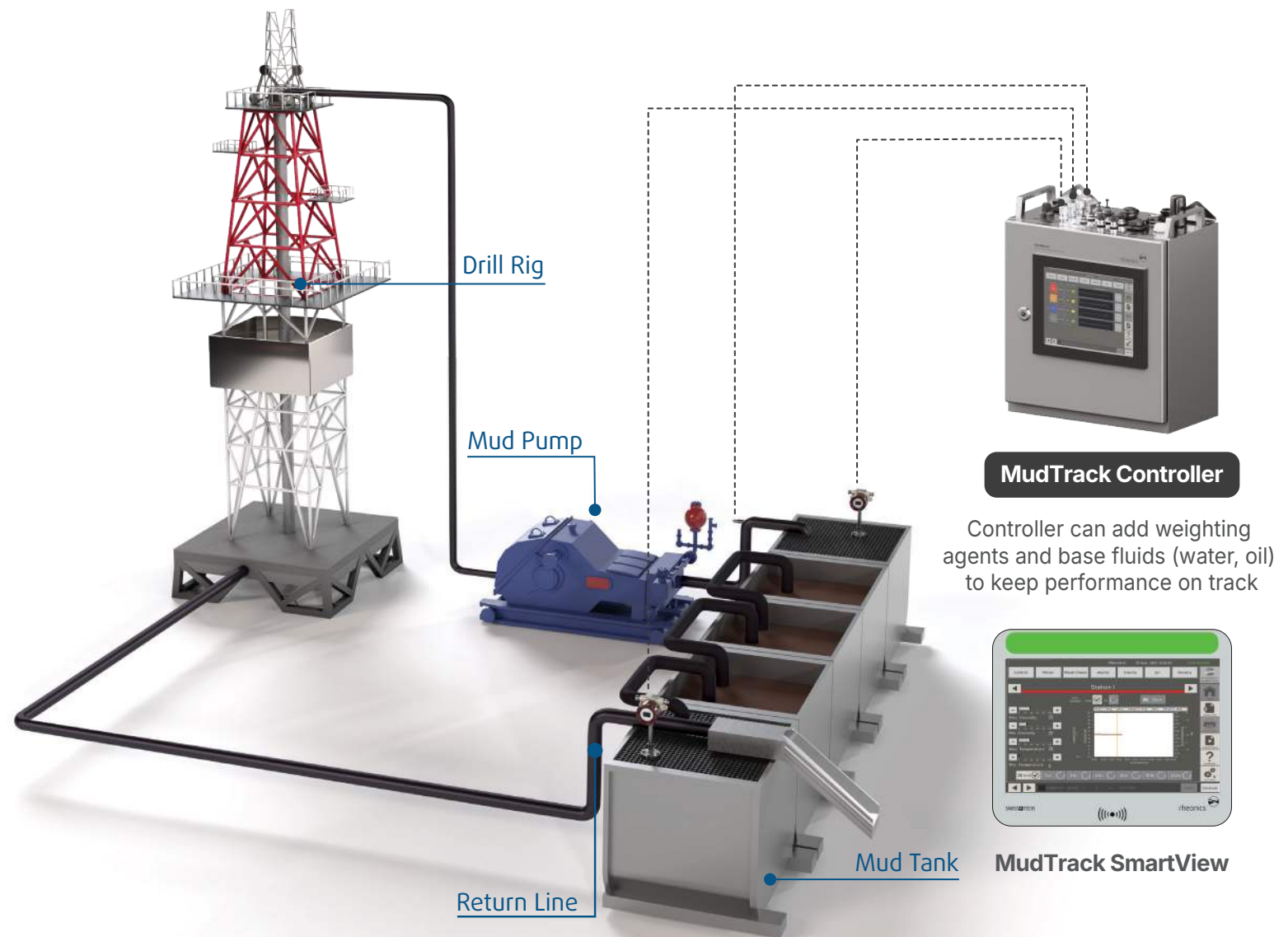
Installation in pipe or tank



Thermal Management

Complete Drilling Fluid Ecosystem:

Monitoring and Control



MudTrack Controller

Controller can add weighting agents and base fluids (water, oil) to keep performance on track



MudTrack SmartView

Ready to optimize your drilling performance?
Request your SRD quote today to maintain full control over mud properties ↓



✉ info@rheonics.com

☎ +41 52 511 3200

