Case Study: Sand Management

Real-Time Monitoring for Enhanced Efficiency & Control

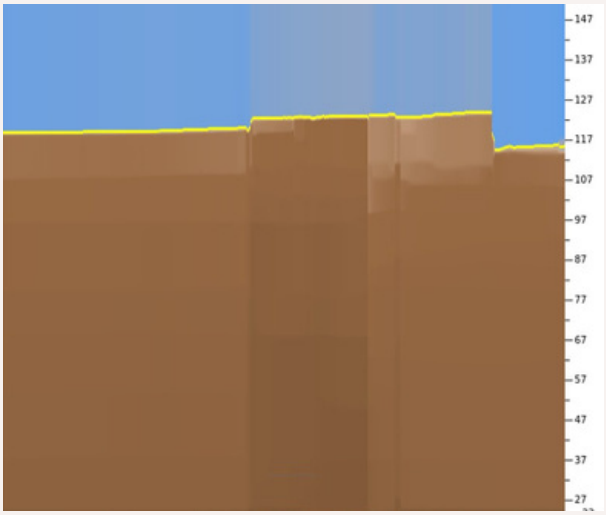
Background

ENERCORP, a US-based leader in the sand management industry, was seeking a reliable tool to monitor the live buildup of sand in their prestigious Sahara Sand Cyclone. ROCSOLE's SoliDetect1.0 was identified as the best tool in the industry through its advanced, cutting-edge Electrical Tomography technology, providing the exact data they needed to optimise their operational efficiency.

Customer: **ENERCORP**
Industry: **Oil & Gas**
Location: **USA**
Device Used: **SoliDetect1.0**
Installation: **October, 2024**

Solution Implemented

After evaluating various solutions, ENERCORP selected ROCSOLE's SoliDetect1.0 for its cutting-edge Electrical Tomography technology and precise sand level detection. Once installed, it delivered real-time sand level detection, optimizing operations and decision-making.



Picture 1: Picture illustrating the evolution of sand height in the vessel. The brown area represents sand, while the blue area represents water. Time progresses from left to right, and the vertical axis represents height in centimeters.

Results & Benefits

Improved Process Control: The monitoring device has continuously provided accurate and real-time data, allowing for precise adjustments in the production process.

Increased Efficiency: By leveraging the insights from the device, the company has optimized operational parameters, reducing waste and improving output quality.

Accurate & Reliable Sand Level Detection: ROCSOLE's SoliDetect1.0 system successfully tracked sand levels inside the Sahara vessel with high precision and fast response times.

Automation for Increased Performance: The potential for real time sand monitoring processes has been identified, leading to better performance, reliability, and process optimization.

Optimized Sand Management: Proven Results with SoliDetect1.0

Picture 2: Illustration of the process situation where the sand is steadily accumulating.

Picture 3: Illustration of a process situation where sand removal is executed.

Picture 1 : ROCSOLE SoliDetect1.0 installation in ENERCORP Sahara Sand Cyclone.

Conclusion

SoliDetect1.0 demonstrated precise, real-time sand level tracking inside the Sahara vessel with exceptional reliability and rapid response. A proven success in performance and accuracy.

Customer has identified the need for a closed-loop sand quantifying system to enhance their operational efficiency and ensure precise sand management.

ENERCORP has recognized the potential to automate their Sahara Sand Cyclone units using ROCSOLE's technology, aiming to improve the overall performance and reliability of their sand monitoring processes.

Please also check out our product brochure about SoliDetect 1.0

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