

Developing a Data-Driven Decision Environment: Knowledge Management using an Intelligent Storage Solution

Ratnapal, R., Huerta, A., D. Schuurmans, R.

Wintershall Dea AG, Global Well Construction, Hamburg, Germany

The key to achieving Digital Transformation in Well Construction is leveraging the available data and best practices to develop a data-driven decision environment. This process involves standardization of digital tools and data harvesting protocols, developing analytic capabilities and creating a data-driven culture. The selection of the application portfolio and development of a functional data management system for Well Construction is presented. An essential component of this transformation is capturing the on-field operational procedures and best practices at a single source accessible globally. WCISS (Well Construction Intelligent Storage Solution) is an in-house web-based product that tackles this challenge. The workflow schematic of this solution is presented, along with a discussion on future improvements.