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Derisking and Performance approach on geothermal well using new digital technology

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In costly well construction environment for geothermal well, communication is key for fast decision making in order to safely optimize the operational sequence, drilling performances and wellbore assurance, consistently delivering wells as and better than per plan. As a consequence, it is necessary to build a close and efficient loop between the stakeholders on the rig and the office. The decision makers based remotely need information based on rig data processing and analysis to manage efficient actions when operations deviates from the drilling program prepared.

Also, as modern well construction's complexity increases with technical challenges and economic constraints, operators aim to improve their performances through remote interpretation of real time well operations data. The approach may differ depending of the operator and the challenges of the well. To fulfil the need of the customer, the service is tailored to meet client's processes and workflow, level of expertise and the technical challenges. In consequence the service enables adapted workflows for each customers with dedicated applications in functions of the technical challenges of the well.

Ultimately, the service should aim safety through early prevention and mitigation of drilling hazards, continuous improvements in addition to well construction performance.

To enable our clients drill their wells safer, faster and cheaper, dedicated workflow, communication protocol between remote interpretation team and the execution team on the rig where tailored to drill in geothermal well.