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SMART TECHNOLOGIES FOR THE ENHANCEMENT OF PRODUCTIVITY AND, DIGITAL INTEGRATION AND SAFETY IN HDD PROJECTS

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ABSTRACT

Some horizontal directional drills register a full set of operational parameters; some of these are processed and made available on a real-time online platform. The online platform is conveniently accessible, regardless of the device and OS locally available. It means that the user can interrogate the platform either with a laptop, a tablet or a smartphone – wherever the location of the user. Such a productivity tool makes it convenient for operations managers to collect, organize and share important job documentation through the cloud and provides detailed customized reports. Bore line and utilities mapping, rod-by-rod bore planning and as-drilled log data collection are part of the capabilities of this productivity tool. The integration with third-party high accuracy GPS antennas makes this tool capable to perform pre-existing utilities avoidance to help enhance safety during HDD operations and return detailed as-builts of the installed product pipes.