



OVERVIEW

CORTEX[®] MPD

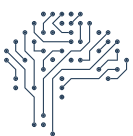
Managed Pressure Drilling

The **CORTEX[®] MPD** is our automated Managed Pressure Drilling system. This single choke system is integrated into the rig and operated by the driller to efficiently manage bottom hole pressure during drilling operations. It is a fit-for-purpose solution aimed to lower operating costs while efficiently drilling wells. Among many of the unique features are the safety redundancies with the rig control system to prevent overpressure events and its Auto Ramp Mode with an adjustable pressure control table to enable more precise ECD management during flow rate changes. CORTEX Regulator is designed with ease-of-use in mind for the driller and can be used to compensate for downhole pressure loss during connections, wellbore instability, surge/swab during tripping, water influx zones, tight windows, and depleted formations.

Features

Safety Controls	Fully Integrated	Integrated Control	Precision Choke
Safety redundancies with rig control system	Full communication with CORTEX platform	Single choke manifold integrated to rig	5,000 PSI rating, electrically actuated choke

Benefits



Eliminates rig-up/rig-down time between wells

Intuitive interface for drillers with advanced controls/features with **remote support available**

Added protection against overpressure events

Fit-for-purpose for the majority of US MPD operations