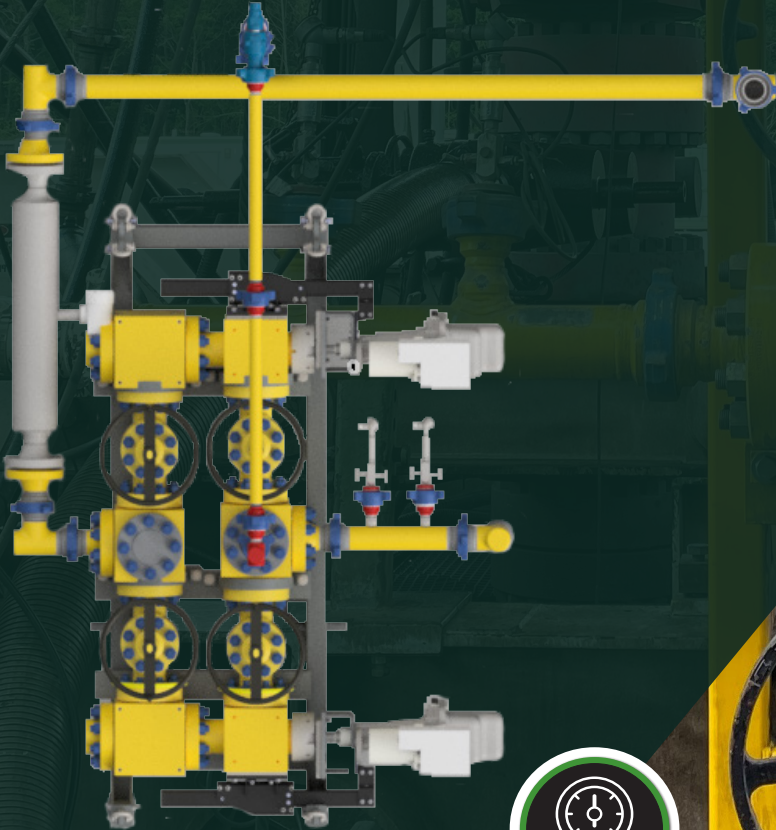




# INTEGRATED - MPD

*Low Opex Dynamic Pressure Control Excellence*



## MPD OFFERING

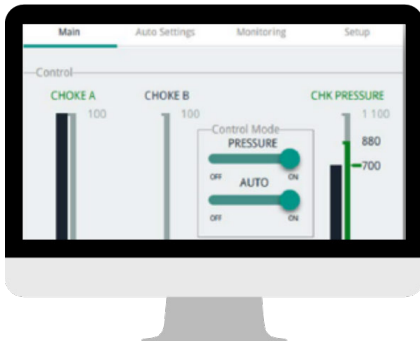
Precision Drilling's Frontier integrated MPD offering harnesses the power of hardware and software integration to create an efficient drilling operation. This integrated service will provide a streamlined process resulting in time and cost savings. We provide High Performance, High Value solutions for all service levels. Delivering engineered excellence from equipment optimization and integration to control system development and testing.



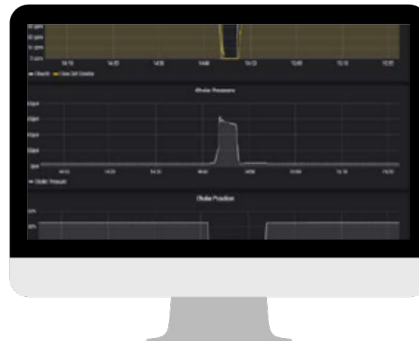
# SOFTWARE INTEGRATION

The MPD app provides complete software control integration of the MPD choke manifold and the **Alpha™** control system. The Alpha App enables use of rig data for MPD control. All MPD data is transmitted to EDR from MPD PLC. This enables a fully optimized and efficient MPD operation to ensure we maximize cost savings.

## FRONTIER MPD APP



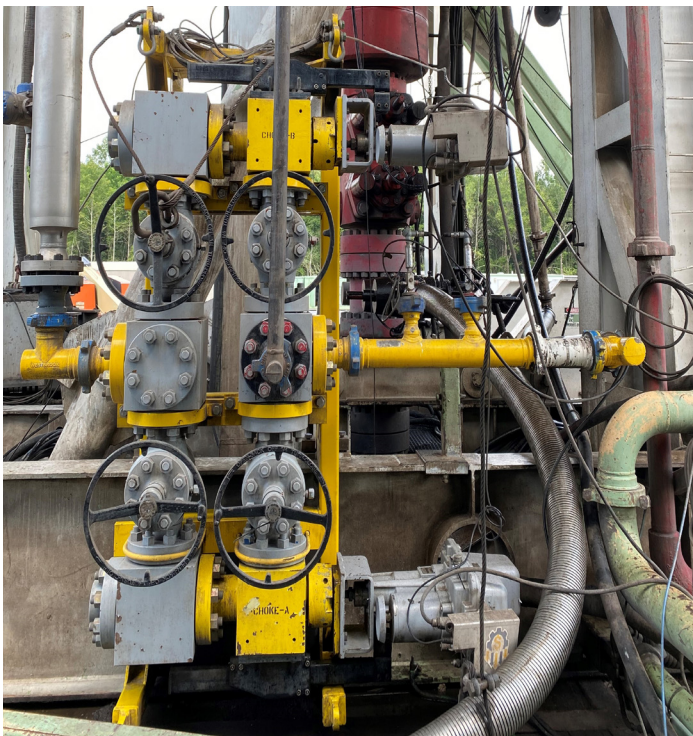
## INTELLIGENT MPD CONTROL SYSTEM



## RIG SENSORS AND EDR



# HARDWARE INTEGRATION



Our fit-for-purpose MPD hardware is integrated with rig structure for maximum flexibility.



### DRILLING AND CONNECTIONS

*Hands off*



### TRIPPING AND REAMING

*Hands off, Cross flow*



### DISPLACEMENT & PILL PLACEMENT

*Engineering support, App #2*



### CASING RUNNING

*Hands off*

To learn more about Precision's Integrated MPD offering, see our recently published [Drilling Contractor article](#).