

CASE STUDY:

CUSTOM-ENGINEERED MEASUREMENT SKID ACCELERATES INSTALL SPEED

CHALLENGE

When a major upstream oil and gas company with extensive acreage assets in South Texas' Eagle Ford Shale play developed an idea for a sophisticated measurement skid to maximize control of their operations, a company was needed to not only assist with and execute the design but to increase deployment efficiency.

SOLUTION

Working with the client's engineering staff to further refine the design, and optimize the functionality of the measurement skid, ReadyFlo added significant engineering value to the project—building the system with a wide range of integrated instrumentation and electrical (I&E) components. Our engineering team took the time to fully understand the project's exact specifications, completing all pre-manufacturing—including pre-wiring, pre-tubing and pre-configuring—and pre-testing prior to field deployment. ReadyFlo also conducted field training with operators and technicians to ensure seamless integration with the customer's existing equipment and programs at installation. *(See a full-list of custom components on reverse.)*

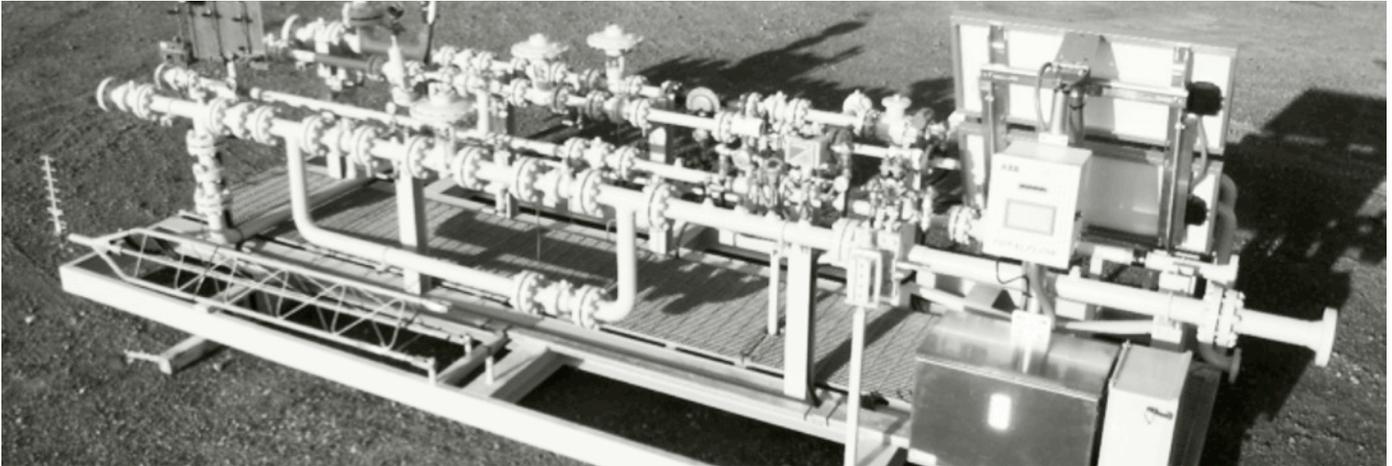
RESULTS

ReadyFlo delivered a reliable, efficient system that enabled our customer to complete installation many times faster than the average installation time. All while committing less manpower resources to the project and eliminating costly re-work.



PROJECT HIGHLIGHTS

- Completed many times faster than average installation
- Pre-manufacturing and pre-testing required less of the customer's manpower
- Eliminated the need for costly re-work
- Training provided to field personnel to ensure smooth installation



CUSTOM COMPONENTS

- EFM prewired to each instrument through a fused junction box
- EFM configured and safety shutdown of all inputs setup and tested
- SCADA radio installed and pre-wired
- Battery box, with batteries, installed and wired to voltage regulator and fuses
- Hinging solar panel and communications tower pre-wired and ready for service
- Calculations ran for power load and solar panel and batteries properly sized for seven days' autonomy
- Pneumatic panel with solenoid for emergency shutdown tubed up to the edge of the skid
- Pressure transmitters, gas sampler, oil sampler, ESD solenoid, oil Coriolis meter, water Vortex meter and orifice MVS transmitter with RTD wired to EFM
- All wiring using destination labeling and conduit labels installed
- All tubing pressure tested and valves actuated
- Coriolis meter configured

“At ReadyFlo they take pride in their work. It saves us time and money in the end because they do quality work up front.”