

# Data-Trek® Advantage Computer System

## Key Benefits and Features

- System incorporates Frank's designed critical hardware components
- An accurate and proven method of measuring turns
- The most precise torque control/torque hold capabilities of any system on the market
- System is periodically upgraded to take advantage of the latest technology
- Frank's Integrated Control System (ICS)™ is an optional feature of the Data-Trek Advantage computer system



Use in the following applications: Deepwater and ultra-deepwater Mid-water shelf Land

### Certification

The Data-Trek Advantage is available with ATEX Zone 1 hazardous area certification, or NEC500 Class 1 Division 2 hazardous area certification.

### Calibration

Load cells and calibration procedures are in compliance with ASTM E-4.

### Load Cells

A wide range of special application load cells for unique customer requirements are available. Compression, tension and special dual-action rod end load cells for the Zero Side Load Integral backup are available. The Data-Trek Advantage system can handle any torque capacity.

### Magnification

Original make-up data is redrawn at much higher resolutions to allow pinpoint detection of parameters including shoulder torque, turns after shoulder and the amount of torque actually applied to the shoulder.

### Data Recall

The Data-Trek Advantage system allows instant recall of all collected data, on the rig or after the job.

### Statistical Analysis

Statistical information for each make-up is permanently stored for immediate or post-job recall. Each make-up is automatically compiled for use in statistical comparisons. Data is available in both graphical and digital format.

### Pipe Tally

The Data-Trek Advantage system provides additional customer support by tracking the amount of pipe run on a per joint basis. Total footage run is displayed as pipe is added to or removed from the well.

### Tong Speed Monitor

Tong RPM is monitored in real time and recorded for each make-up. RPM data is displayed in RPM vs Turns graph that easily correlates to the make-up graph.