

# CompletionPRO



## What is CompletionPro?

CompletionPro is a complete set of hardware and software tools for data monitoring within the pressure pumping and hydraulic fracturing process of well and well completion operations. Developed over the past 20 years, CompletionPro has been extensively used and proven by service companies worldwide, in both onshore and offshore environments. Well productivity is maximised by rapid and simple deployment and operation.

## Well Production Software Solution

### Software Features

**Data acquisition** from a variety of equipment including OPC Servers, Alphascan, Datascan, WITS, WITSML and Modbus

**Flexible data logger historians**, allowing data to be recorded and trended by time, depth and event and then recorded in files or databases

**Client/server architecture** to distribute displays around the rig to PCs and monitors to be viewed by rig personnel

**Site to Office** streaming of data to Internet servers over low bandwidth connections. The Internet servers in turn have high speed connections, facilitating real-time and historical viewing by off-site staff and customers located anywhere in the world. This allows off-site specialists to monitor real-time data, supervise critical pressure-pumping processes and compare the predicted job design to the ongoing operation.

**Configurable graphical monitor** and playback trends to build your own customised screen formats.

**Data export** to log drawing and other packages via text file and adjustable reporting to Excel

**Entry of job customer information**

**Schedule of fluid treatment stages** with start and end, PPA and volumes

**Provides for well string geometry** as well as depth and vertical depth of top and bottom packers

**Multiple density input channels** with calibration using air, water, completion fluid or alternate carrier

**Support for calibration of pressure channels** with automatic calibration of full scale

**Support for standard and special proppants**

**Operator or automatic control** of current fluid stage with reverse stage facility to correct and revert back to the previous fluid stage

**Stage and job totals** with manual reset. Support for mini-frac and multi-stage fracturing

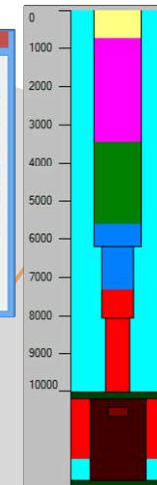
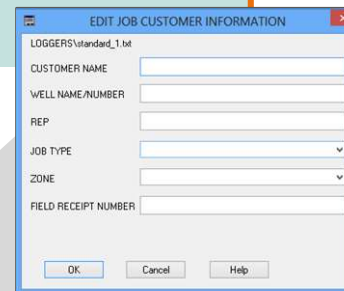
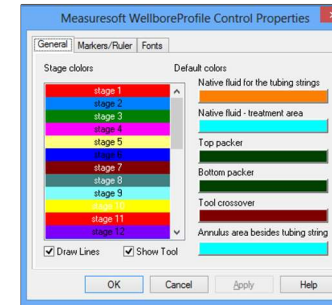
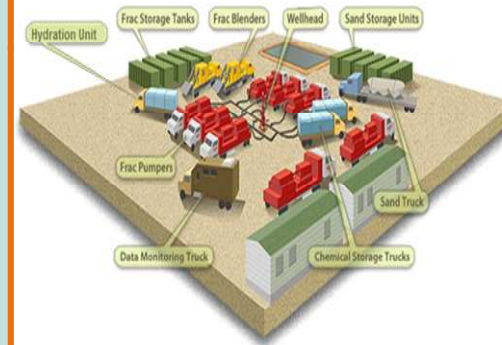
**Full tracking of fluids** at surface, in well and at crossover

**Calculation** of tubing and annulus hydrostatic pressure

**Wellbore graphic** with color codes for each fluid stage and facility to add markers to the graphic during a job

**Flow input simulation** for training and testing

**Support for any hardware** including WITS, CAN Bus and Modbus interfaces.



### Key Benefits

**Flexibility**  
CompletionPro has the flexibility to allow you to interface with a variety of sensor products.

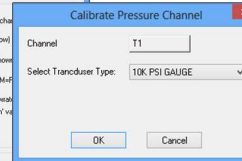
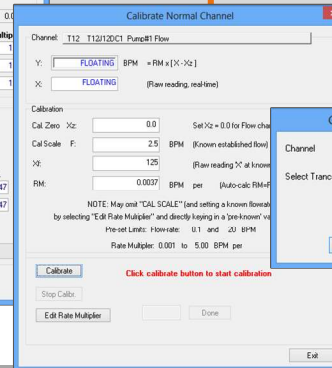
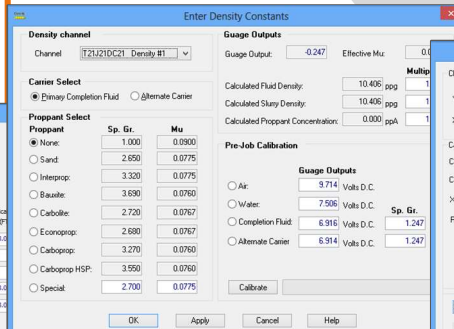
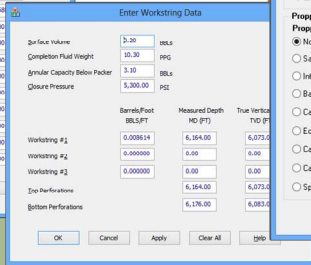
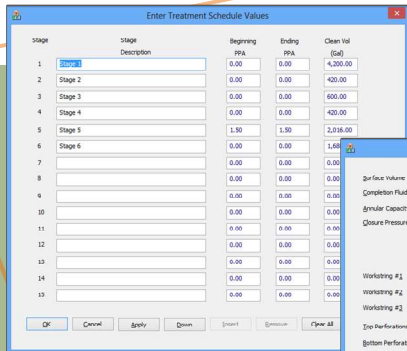
**Tailored Displays**  
CompletionPro allows you to tailor displays based on client preferences and requirements.

**Real-time access to data**  
Real-time access to data, anytime and anywhere

**Perpetual Licensing Model**  
Unlike our competitors, we provide a perpetual licensing model, allowing you to budget for the software under capital expenditure avoiding costly and inflexible ongoing rental agreements.

**Service Quality**  
Measuresoft offers exceptional service with guaranteed reliability from our software, including online remote support of your rig PCs.

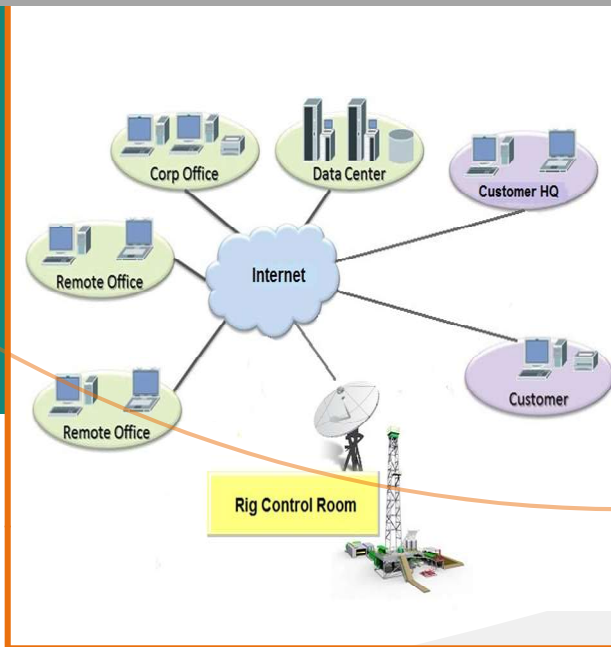
**Proven track record**  
Successfully deployed throughout North America, South America, the Middle East and West Africa



## 'Seamless Integration to Maximise Well Production'

### Site to Office

- Guaranteed data delivery over slow or intermittent communication lines
- No need to configure firewalls at the site or in the customer's office
- No need to have database software maintained at the site or in the customer's office.
- Monitor and trend data directly from the source
- Security to grant and deny access to archived data
- Minimal deployment on customer desktop, reducing the cost of ownership, training, maintenance as well as capital costs for the customer



External J-Box  
Available as a standard package with or without intrinsically safe isolation barriers.

MIL style connectors

Packaged as portable or built into a custom-built data van

Inputs examples

Pressure

Turbine flow meters or 60-tooth gear

Sand feed rate

Nuclear density gauge

Turbidity (in and out)

Viscosity

Tank volume indicators

Temperature

Sand tank weight sensor

Bottomhole pressure

Specify pressure sensors

Mag pickups

Moulded Cable Assemblies