

Wireless Information Technology System – WITS™

ACCURACY

The WITS™ is built with integrity and precision, making it reliable, accurate and easy to use. The WITS™ records with an accuracy of 0.05% of actual readings providing the operator better numbers to make better decisions.

REMOTE DATA ACCESS

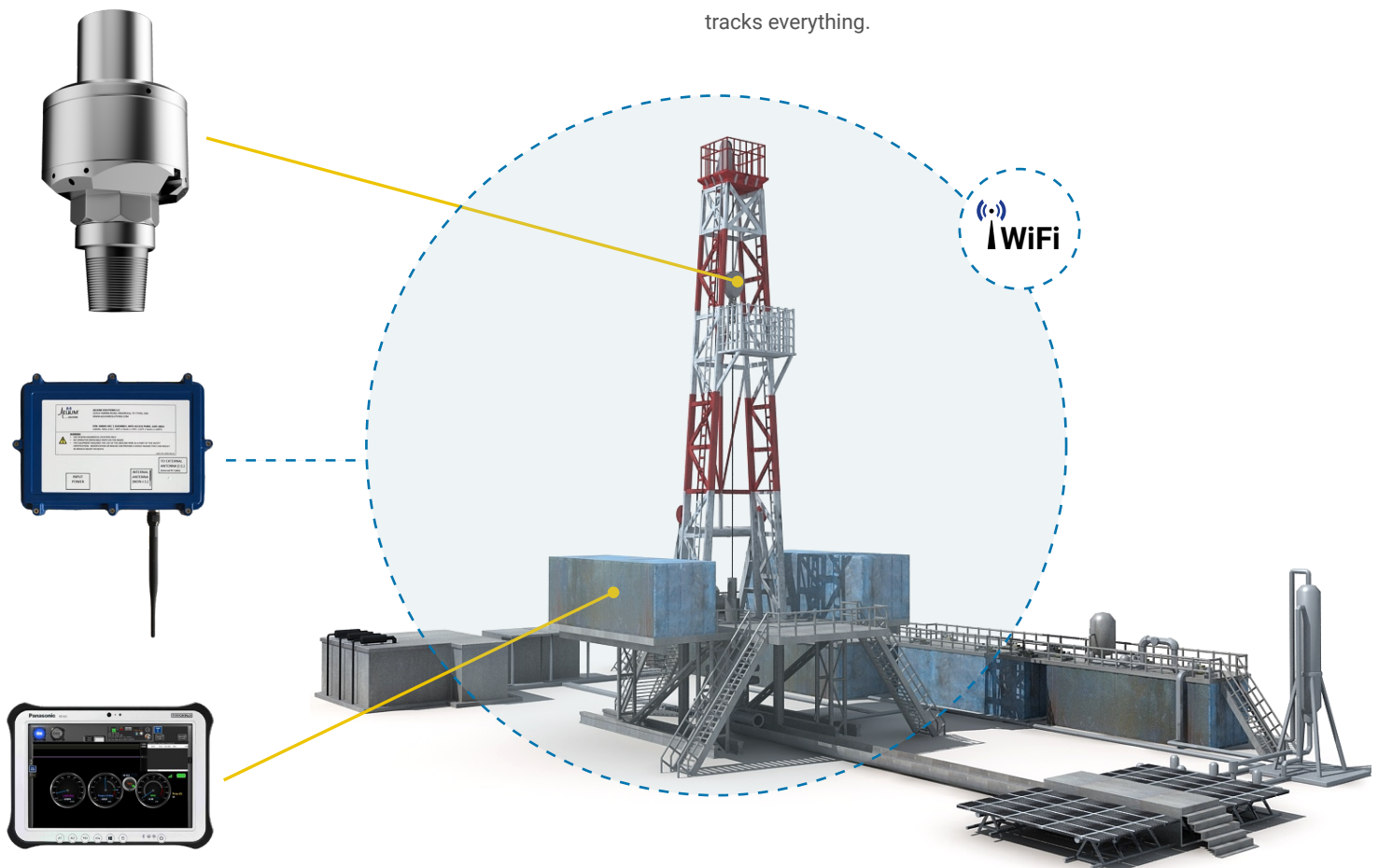
Access your data remotely to view and analyze connections through the Aelium Cloud™.

DATA RELIABILITY

Data values are encrypted at the first stage of reading the sensors. Personnel cannot hide or change any of the info that was seen by a sensor. The WITS™ is equipped with onboard data storage, encrypted Aelium WiFi communications, and cloud data backup to ensure your data is secure and never lost.

CONTINUOUS DATA RECORDING

Nothing happens without the software recording it. Whether making up a joint, breaking one apart, attaching completion tools, pressure testing, or anything in between, the software seamlessly tracks everything.



PATENTS PENDING

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SAFETY

Designed to API 8C and 7-1 specifications. Pressure rating 15,000 psi.
Certified for hazardous location:

Class I, Division 1, Groups C, D T4

Class I, Zone 1, AEx db ia [ia Ga] IIB T4 Gb

Ex db ia [ia Ga] IIB T4 Gb



IECEX QPS 19.0022X

Ex db ia [ia Ga] IIB T4 Gb

Ex db ia [ia Ga] IIB T4 Gb

CML 19ATEX 1484X



VERSATILITY

The WITS™ C-models are used in combination with casing running tools "CRT".

The WITS™ T-configurations with dual IBOP valves are used in Top Drive "TDS" drilling applications.



Model	WITS 1C		WITS 2C	
DESIGN SPECIFICATIONS				
Connection <i>(default)</i>	NC 50	6 5/8" API REG	7 5/8" API REG	8 5/8" API REG
Load Rating <i>(per API 8C)</i>	425 ton	500–750 ton	750 ton	1000–1250 ton
Torque Rating	55,000 ft lbs	75,000 ft lbs	120,000 ft lbs	150,000 ft lbs
DATA RECORDING ACCURACY				
Tension & Compression	0.05%			
Torque	0.05%			
Turns	2000 pulses/revolution			
RPM	up to 300			
Pressure* & Temperature	0.5%			
OTHER SPECIFICATIONS				
Ambient Operating Temperature	-40° F to 158° F			
Battery Life <i>(casing running)</i>	> 180 days			
Data Transmission Type	WiFi 2.4 GHz			

*on selected models

PARTNERS



ASSLS-002-R1

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WITS™
A **SMART** SOLUTION