

CASE STUDY 7



LASER ENGINEERING
AND RESOURCES CONSULTANTS LTD

CASE STUDY SUBMISSION

Laser Engineering and Resources Consultants Limited is a Nigerian indigenous company that services the oil and gas industry. She registered in 1990 with her roots in the university. The vision of Laser Engineering is to become an enduring organization that utilizes available resources to solve intellectual aspects of problems in the oil and gas industry.



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2025

DXtra

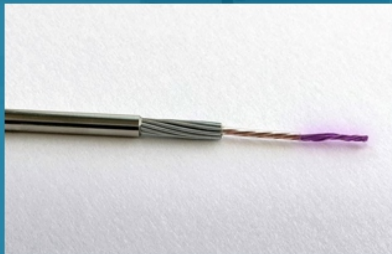
Intelligent Slickline Conveyance



DXtra solution

DXtra Intelligent Slickline Conveyance

DXtra
Elmar | NOV



What is it?

- DXtra[®] is the new intelligent slickline conveyance solution for well intervention operations by NOV. It combines the real-time e-line data and power efficiencies with the flexibility and simplicity of mechanical slickline conveyance

What is the Value Proposition?

- Realtime data transmission enabling data driven insights and LQC at the wellsite
- Simplified rig-ups that allow for reduced crew sizes on location (33 % reduction)
- Utilizes industry standard tools and warrior acquisition system providing lowest market entry cost
- Reduce your HSE wellsite risks by eliminating use of Lithium-Ion batteries

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Solution Overview

DXtra Intelligent Slickline Conveyance

DXtra 0.181-in. OD Cable

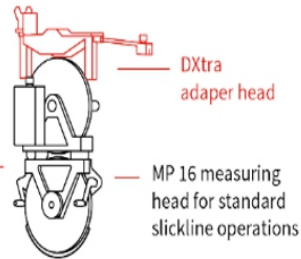
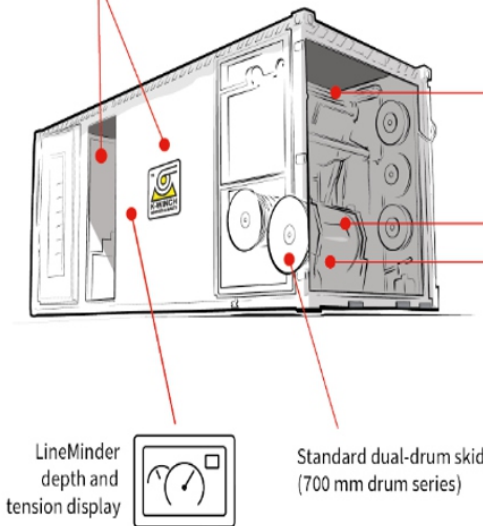
DXtra
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- Tube encapsulated design. 0.181-in. outer diameter
- Standard e-line type copper conductor (permits power and telemetry 2-way)
- Lengths configurable 25k-40kft to suit any application
- Runs on min 22-in. sheave wheel OD to manage fatigue life and minimize sheave size (+1,000 cycles)
- 3300 lb tensile strength / 1990 lb maximum operating tension (similar to 0.125-in. mechanical slickline)
- -76 F to +390 F temperature rating
- Conductor electrical resistance 7.6 ohms/1,000 ft
- 69 lb/1000 ft cable weight in air
- Corrosion resistant tube design available for high CO₂ / H₂S wells

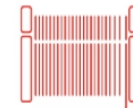
INTELLIGENT SLICKLINE CONVEYANCE

Surface acquisition system



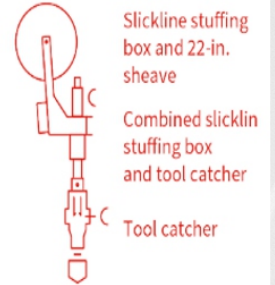
Slip ring (standard 2-ring)

Cable drum (DC-02)



DXtra cable
0.181-in. OD
Breaking strength
3,300 lb

DXtra cable head



Integrated wireline valve and 22-in. lower sheave
(Patent Pending - fatigue reducer)

Benefits

DXtra Intelligent Slickline Conveyance



Smaller Footprint

Can be rigged up on small platforms



Reduced POB

Slickline crew can operate the system



Minimize Intervention Risk

No Braided line



Positive Depth Control

Minimizes risk and uncertainty



Industry Standard Eqpt

Lower Investment Cost, Less Maintenance

DXtra
Elmar | NOV

Faster Rigup

50% quicker than Eline

Faster RIH & POOH

RIH & POOH @ 300 fpm

Minimize Environmental Risk

No Grease

Data Assurance

Realtime LQC and validation of data set

No Lithium Batteries Used

Simplified Logistics. Safer Operations