Award-winning innovation.

Trapezoidal-Shaped Fully-Annealed Aluminum Strands

Pre-Tensioned Carbon Fiber Core

Patented Aluminum Encapsulation Protective Layer

Platts Global Energy Awards

PUBLIC UTILITIES FORTNIGHTLY

Bloomberg NEW ENERGY FINANCE

AMERICAN MADE U.S. DEPARTMENT OF ENERGY

Proven technology
backed by industry leaders.

With thousands of miles installed since 2016 and extensive third-party testing, TS Conductor has earned the support of industry-leading investors and utility customers.

- ✔ ***EPRI Endurance Testing***
- ✔ ***AEP Sequential Mechanical Testing***
- ✔ ***Kinectrics Type Testing (11 Tests)***
- ✔ ***ISO 9001 Certification***

NEXTera ENERGY

nationalgrid partners

EDISON INTERNATIONAL®

QUANTA

Investing in the ***future.***

TS Conductor is building a second large-scale manufacturing facility in the USA. This mega facility will increase production capacity twentyfold and provide redundancy.

Vertically integrated.

Vertical integration lowers costs, reduces lead times, and simplifies logistics. It also ensures strict quality control through X-ray inspection and ISO 9001 certified processes.

Next generation advanced conductor.

AECC's patented design eliminates problems of first-generation advanced conductors at their source. It is the ***only*** advanced conductor that is fully compatible with standard installation and maintenance practices.

Traditional Conductors

1908 - ACSR

Still the default standard today

Low ampacity

1970s - ACSS

High ampacity at high temperatures

High thermal sag

Advanced Conductors

1990s – ACCR/ACCC

Low thermal sag

Safety and reliability concerns

2016 – TS AECC

Safety and reliability designed in

Mainstream solution

Safety & ***Reliability***.

TS Conductor builds safety and reliability into AECC's patented design, creating an advanced conductor utilities can trust.

High Performance

Safety & Reliability Concerns

Safety & Reliability Built In

Low Performance

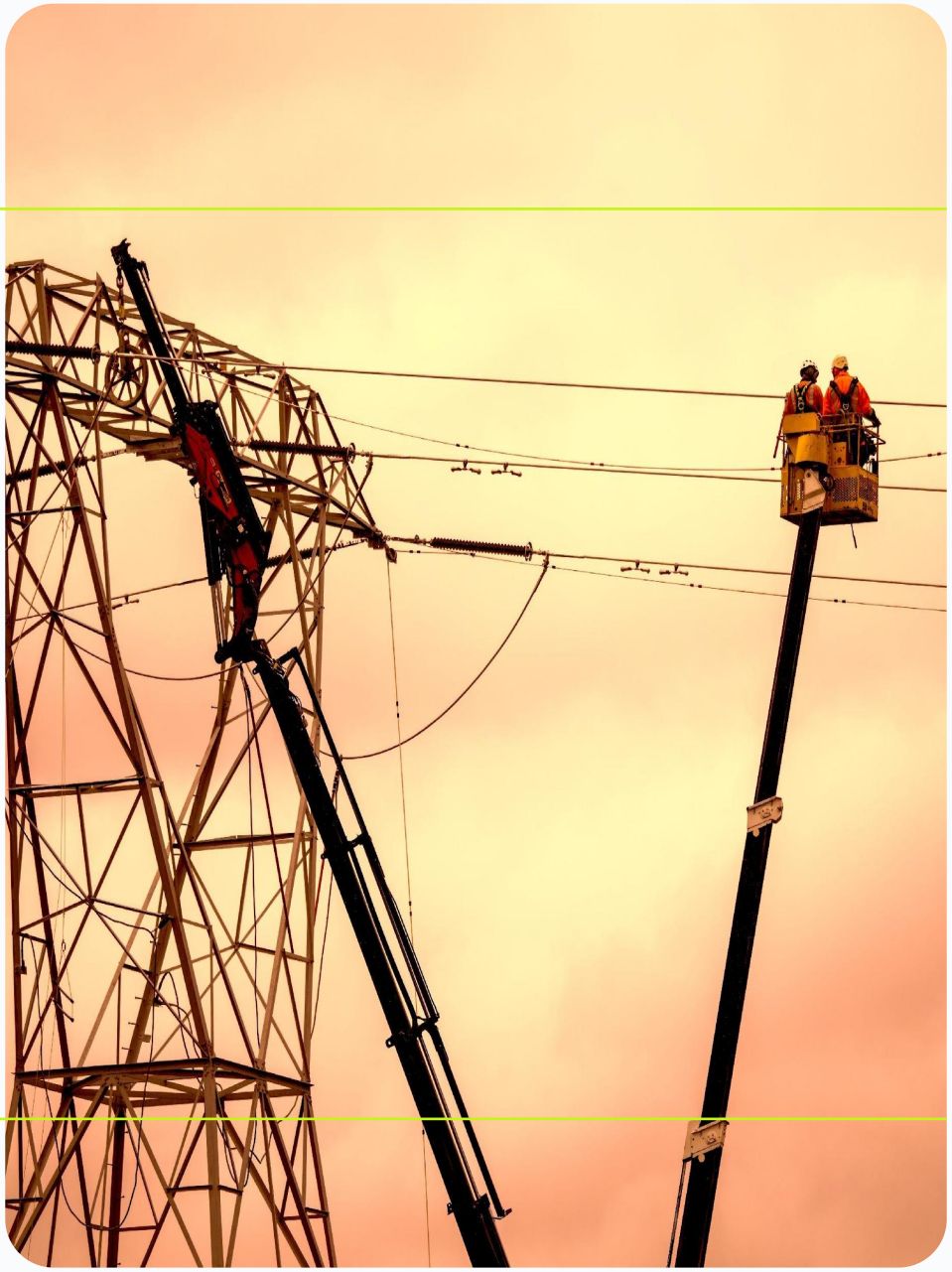
Independent Testing

TS Conductor’s AECC has undergone extensive independent testing to validate its long-term performance, safety, and reliability.

Easy to work with.

AECC is the only advanced conductor that is fully compatible with traditional ACSR/ACSS installation and maintenance practices.

- ***Standard compression fittings***
- ***Standard bending radius***
- ***Standard storage***



Compatibility with Standard Compression Tools/Methods.

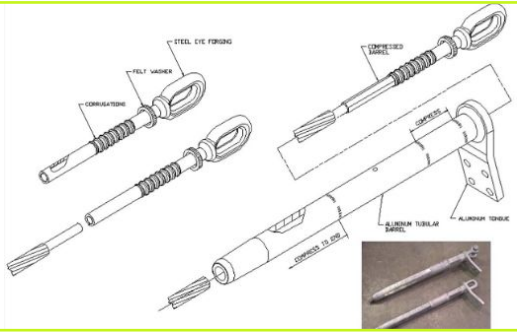
No new tools, no new equipment, no new training

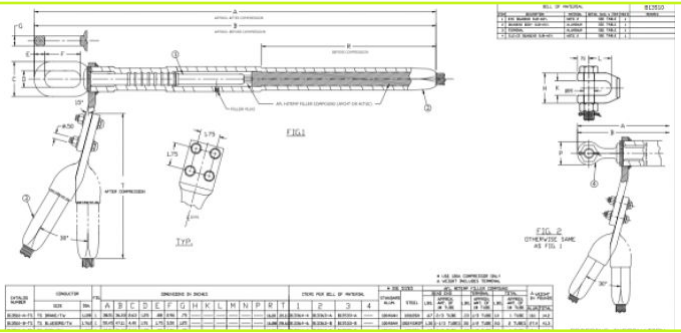
TEST SETUP

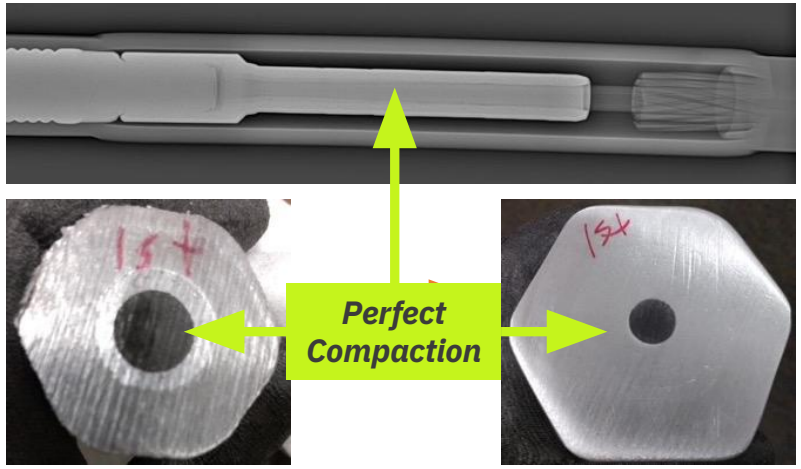
Four deadend samples were tested to failure on TS Drake BC150 9.5.

A picture of one sample in the general test setup is shown below.

Figure 1 – Tensile load test setup for complete conductor.







AFL

Installation Instructions
INS-ACA125

Installation Instructions

for AFL Compression Dead End Installed

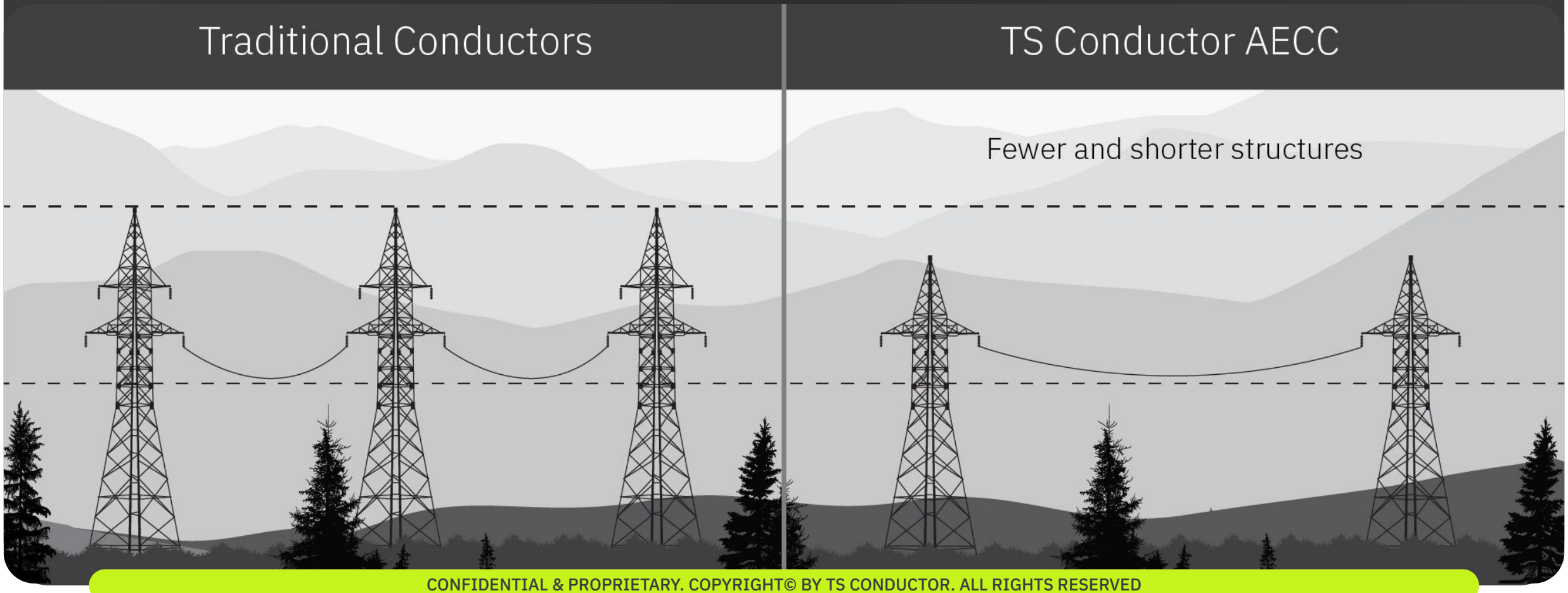
on TS HTLS Conductor

Longevity & resilience.

AECC is built to withstand harsh conditions and extreme events, ensuring long-term integrity and performance.

- ***Environmental conditions***
- ***Extreme weather events***
- ***Aeolian vibration & galloping***

New construction: Up to 10-20% ***lower costs.***



Basin Electric

Neset to Northshore

27 MI

230 KV

NEW CONSTRUCTION

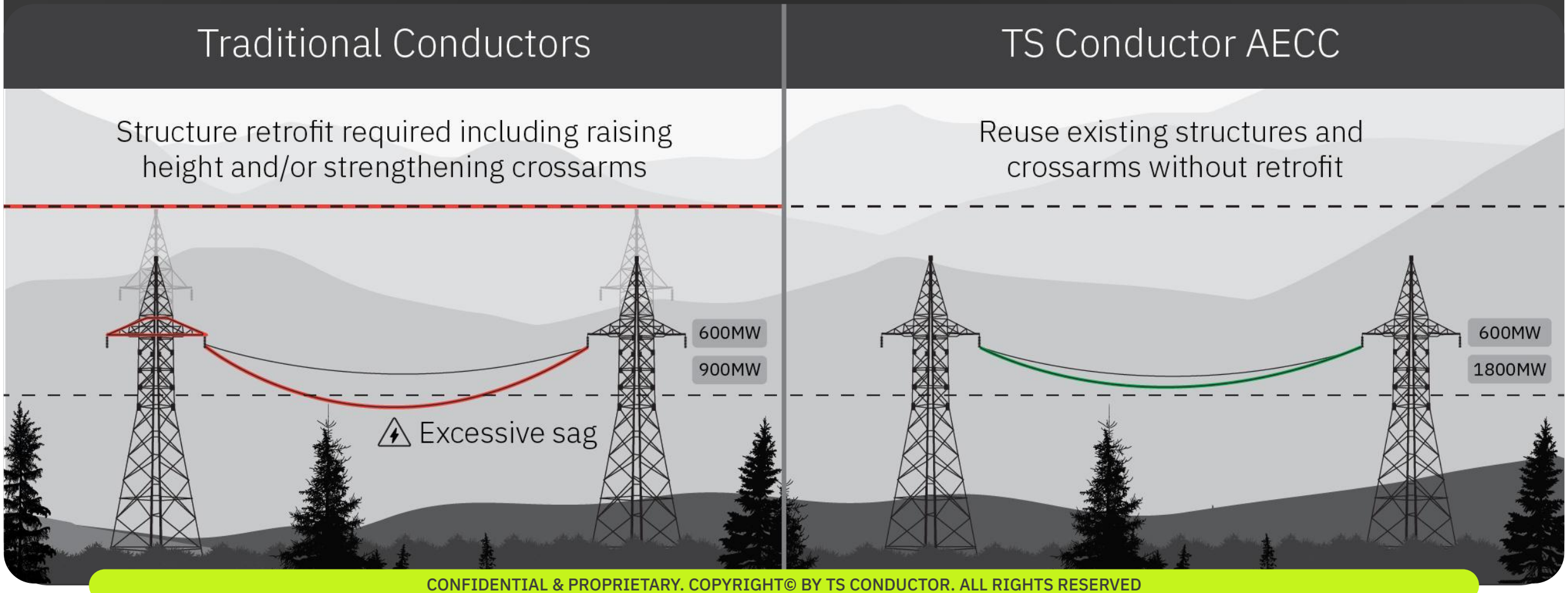
DETAILS

Basin Electric constructed a new 27-mile 230kV line, reducing structure height and quantity by 15%, from 183 to 155.

IMPACT

Structure savings offset the price difference between traditional ACSR and TS Conductor while providing increased capacity for future RTO requirements.

Reconductoring: Up to 30-40% ***lower costs.***



Montana-Dakota Utilities (MDU)

Napoleon to Heskett

11 MI | 230 KV | RECONDUCTORING

DETAILS

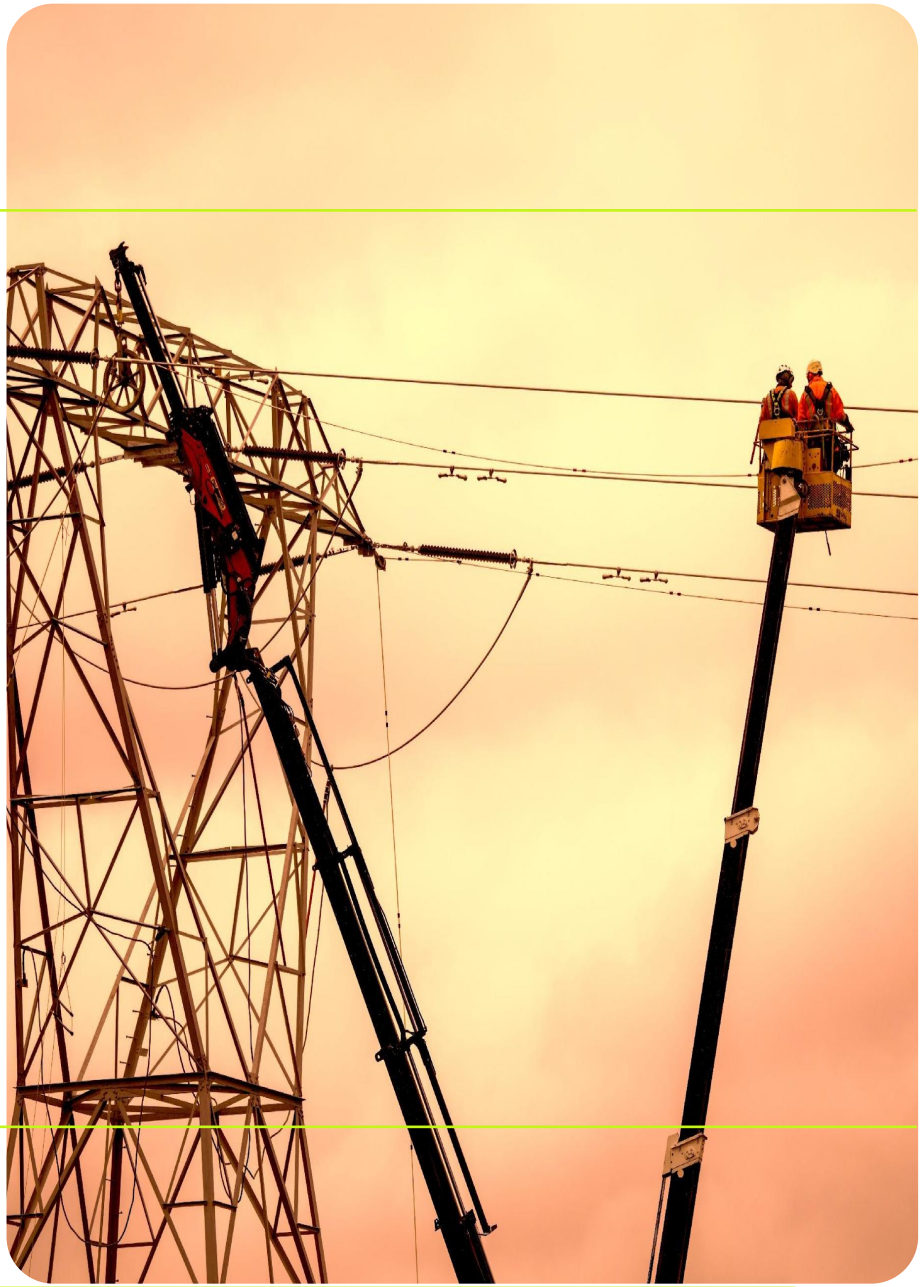
MDU completed a 15-mile reconductoring project on a 230kV line, avoiding all structure modifications required by ACSS.

IMPACT

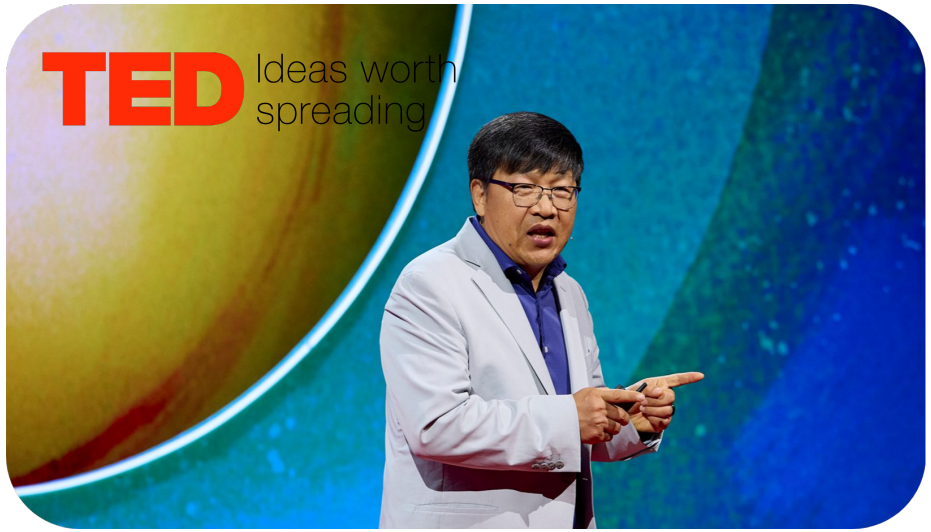
The project saved 40% on construction costs compared to ACSS. It was completed a year ahead of schedule, resulting in $1.8 million in savings.

Summary.

- *Performance: Up to 3x higher ampacity, less sag, and standard installation methods.*
- *New Construction: 10-20% CapEx savings, fewer towers, reduced labor, and streamlined permitting.*
- *Reconductoring: Up to 30-40% CapEx savings, faster deployment, and no retrofits required.*
- *Efficiency: Up to 50% lower line losses for enhanced grid performance.*



TED Talk.



https://ted.com/talks/jason_huang_the_high_wire_act_of_unlocking_clean_energy

Breakthrough Energy.

https://youtu.be/6Vua7eEeUpw?si=51tVXMGeveSDbzrb

Thank *you.*

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