

**Polywater Pull-Planner™ 4.0 Press Release****Polywater**<sup>®</sup>  
Solutions at work.

# Cable Pull-Planner Smart Solution "SAVE" Time & Costs"

*The Energy Network Australia (TEN) is proud to announce Polywater's release of the proprietary Pull-planner™ 4.0 software program in multiple languages*

*The Pull-Planner is seen as ensuring safer and more efficient cable pulls for electrical and telecommunications industry designers, engineers, and project managers on a global scale*

**C**able pulling plays a key role in connecting Australia and the world. While unseen and unnoticed, cabling is critically important to designing and upgrading power

infrastructure and systems; these systems keep the lights on and help supply data and the latest technologies to businesses and homes.

(Stillwater, Minnesota – May 15, 2020) – Polywater, a leading specialty chemical manufacturer for the electrical and telecommunications industries based in Stillwater, MN USA announced recently the availability of the latest version of its Pull-Planner software. The program is enriched by using Polywater's hands-on testing to provide realistic "coefficient of friction" guidance. Pull-Planner allows users to estimate both pull tension and sidewall pressure prior to a cable pull, which pro-actively safeguards against potential cable damage. For more than 30 years, the company has provided know-how and tools to its key partners and the cable industry to enable effective pulls in conduit systems.

"The Pull-Planner software is integral to large-scale projects like connecting sources of green energy to the grid and helping meet the persistent, increasing demand for more energy worldwide," said Polywater's president Erik Freyser. "We take pride in developing a software program that can do the math and allow users to input a range of pull scenarios. This enables project design teams to identify potential challenges and model alternative options, so they can pro-actively navigate them," says Freyser.

Polywater's latest Pull-Planner software is now available for both power and telecommunications cable installers and includes more cable jacket and conduit types commonly used in the telecommunications industry.

Early feedback from a telecommunications industry user indicates a positive experience, saying the program "functions well and the software is intuitive."

Additionally, the new 4.0 version of the Pull-Planner offers language options in French, German and Spanish, as well as metric and imperial measurement systems. These Pull-Planner 4.0 upgrades demonstrate Polywater's attention to the evolving needs of our global customer base.

Freyser said, "Construction and maintenance challenges demand fast and reliable solutions. Polywater's pull-planning software combines industry best practices with our robust testing methods using real cables, conduits and lubricants. Additionally, the software utilises our extensive coefficient of friction database, which is among the industry's largest."



**Polywater Pull-Planner™**

The program leverages the company's deep understanding of key field conditions that could impact a cable pull. "Cable is expensive, so it's important to avoid damage of this critical asset during installation. Engineers, specifiers, and cable manufacturers appreciate having a predictive model to improve and document their designs. That's how we make an industry-wide impact while helping our customers succeed," said Sheri Dahlke, technical director and Pull-Planner 4.0 software program manager.

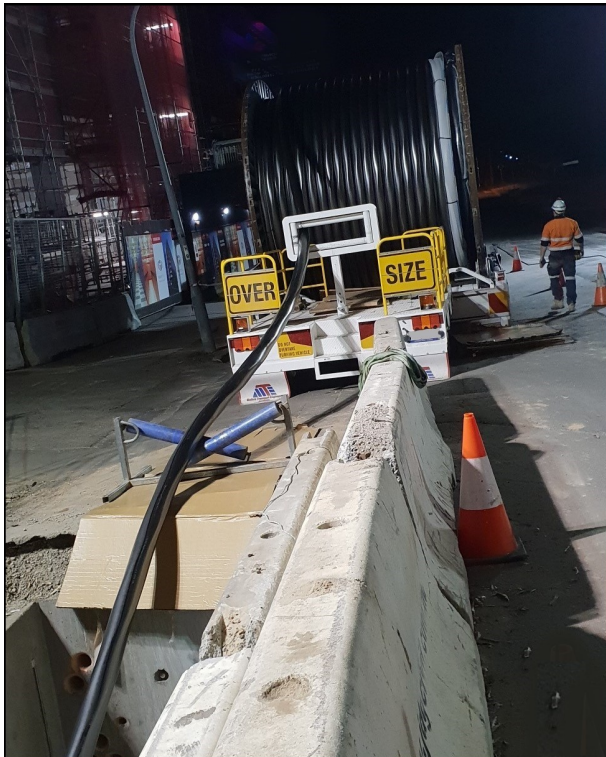
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TEN Group has promoted the use of the Pull Planner software for a number of years, says Lindsay Taylor, TEN's resident Pull-Planner advisor, "we have been involved with many large infrastructure projects where we have been able to demonstrate cost savings in all stages of the project from design to construction"

TEN was engaged by a principal contractor to help with the design of a 33kV feeder for a data centre being built in Sydney Australia. The scope of design had a limitation on the number of pits that could be installed along the route, so the ability to install the cable in a complete length became critical. "Using the Pull-Planner 4.0 from Polywater we were able to simulate all scenarios to ensure the cable could be pulled the full distance without exceeding its maximum pulling tension or max sidewall pressure", said Lindsay Taylor.



*Cable Lube on completion of pull*



*Sydney Project*

Polywaters' information on both Coefficient of Friction (COF) and lubricant choice enabled the contractor to confidently design and execute the cable installation. Original COF numbers were 0.09 with a 50% contingency of 0.161, the final installation COF numbers came in at 0.067. The contractor pre-lubed the conduits to ensure that lubrication extended along the entire route as well as the cable. There was lubricant still evident on the cable surface even after the 930m pull was complete.

To learn more about how the Pull-Planner 4.0 can enhance your project's design and planning contact  
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Visit Polywater's Pull-Planner Page  
<https://polywater.com/pull-planner/>

Also watch the Polywater Cable Jacket Coefficient of Friction Testing Method  
<https://www.youtube.com/watch?v=0616XbfQtJ8>



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**About American Polywater**

Helping realise a better-connected world. Polywater helps companies in the electrical and communications industries find better ways to overcome specific, field-based infrastructure challenges.

For more information visit [www.polywater.com](http://www.polywater.com)

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**About The Energy Network (TEN)**

The Energy Network (TEN) is a specialised supplier of quality tools, equipment and materials for the construction and maintenance of overhead and underground electricity networks.

TEN is ISO9001, ISO14001 and ISO45001 certified and the safety of their staff and customers is at the core of what they do. It is not just their Australia wide experience that customers benefit from, but the network of international suppliers that are meeting the needs of a global industry experiencing many of the same changes happening in Australia.

For more information on TEN or any of their products, visit [www.tengroup.com.au](http://www.tengroup.com.au)

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