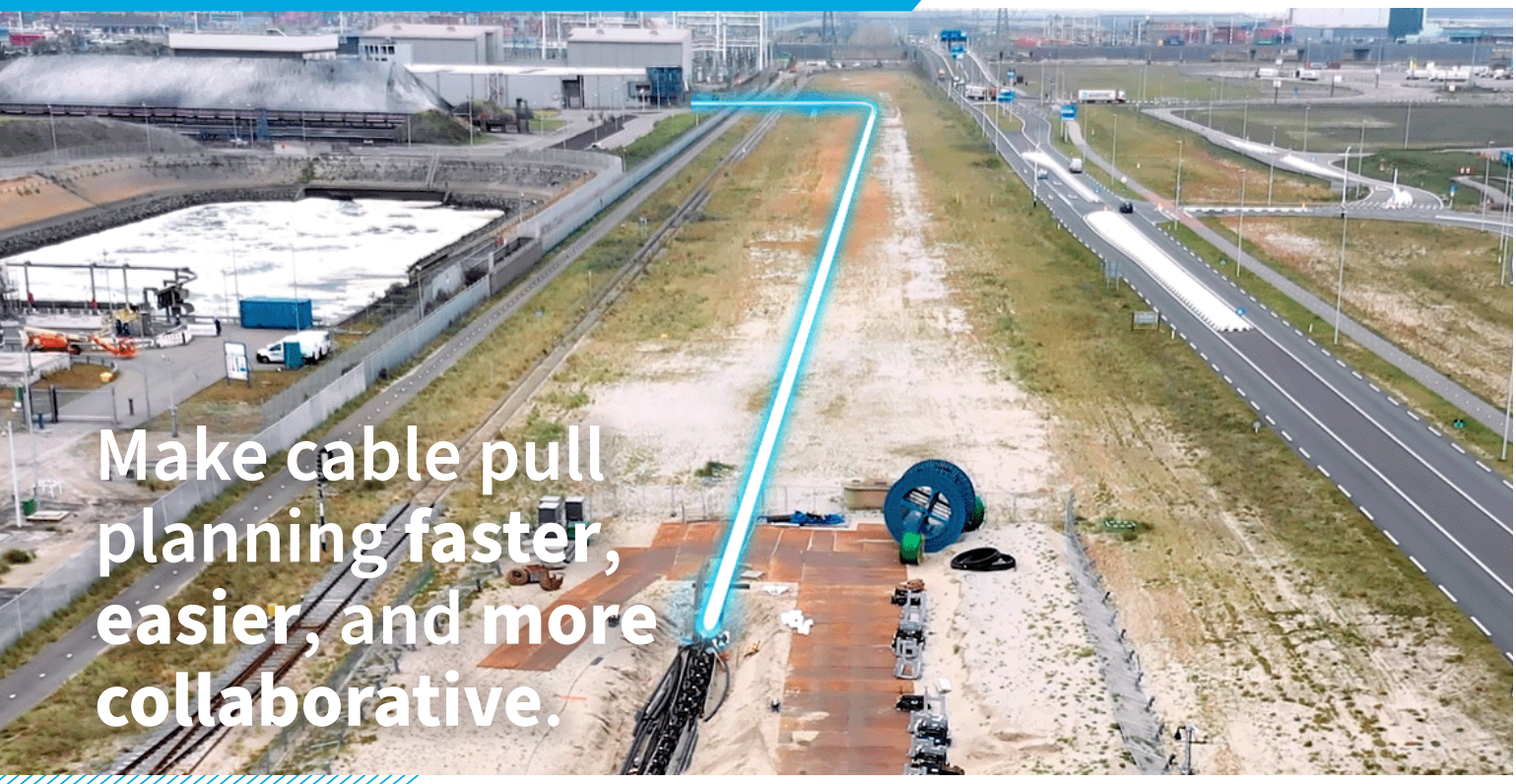
CABLE INSTALLATION PLANNING SOFTWARE

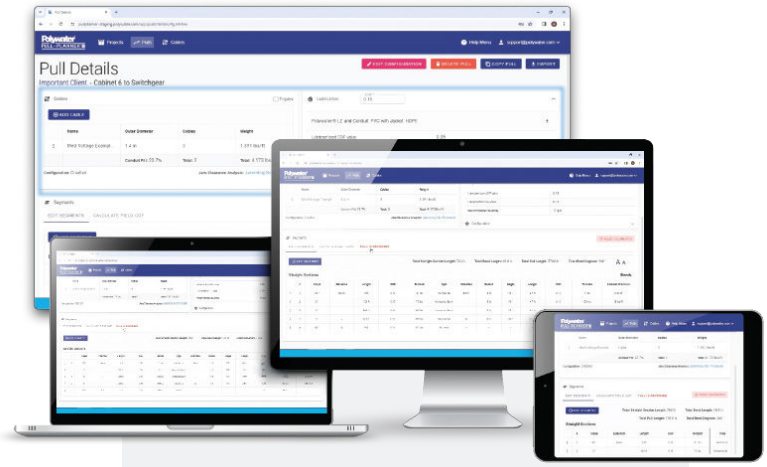
Polywater®



Make cable pull planning faster, easier, and more collaborative.

Polywater®
PULL-PLANNER®
CABLE INSTALLATION PLANNING SOFTWARE

The **Polywater® Pull-Planner®** is a powerful web-based software that helps engineers and installers plan the safe and feasible installation of cable into conduit. It also provides insights that can help optimize complex cable system designs and it facilitates the documentation of field-recorded tensions to improve accuracy of future cable pulls.



*Since the **Pull-Planner is a web-based application,** users can securely login from any browser, from any device, at any time—making the planning process easy and accessible for teams of all sizes.*

WATCH THE EXPLAINER VIDEO

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Three ways Pull-Planner helps you protect cables and improve installation.

Realize the feasibility of a cable pull.

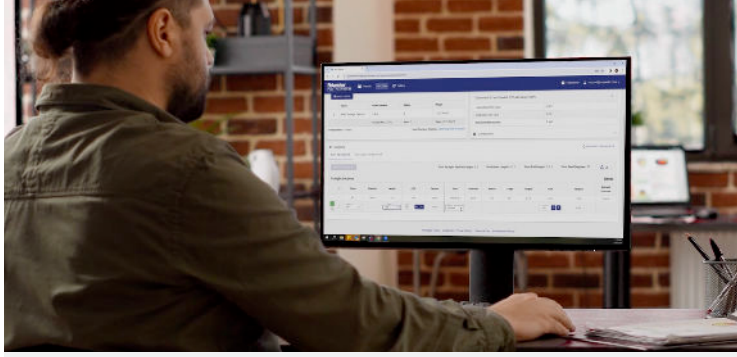
- Easily calculate accurate pulling tension and sidewall pressures based on the route data and the unique combination of cable and conduit materials, along with different cable lubricant types
- Identify areas within a cable pull pathway that could potentially experience jamming based on the route design and cable configurations
- Determine the best direction of the cable pull that will provide less tension and sidewall pressure
- Accommodate different pull methods and select different cable lubricant types for optimal coefficient of friction (COF)
- Export the pull-plan into a single document that incorporates cable and lubricant spec sheets to share with the installation team

Create more cost-efficient cable system designs.

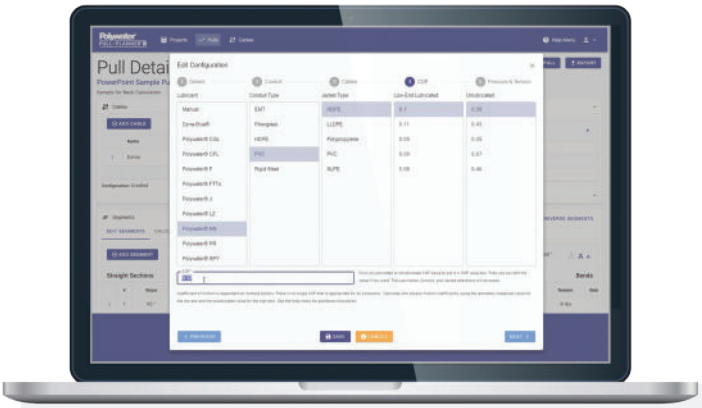
- Facilitate project team collaboration by creating project groups and sharing access to pull plans with other registered users
- Attain reliable tension calculations and cable lubricant options that permit longer lengths of cable to be safely pulled over greater distances
- Minimize/eliminate the need for unnecessary cable splices and terminations within a design by exploring the feasibility of longer cable pull lengths
- Construct systems with fewer underground (URD) structures such as vaults, handholes, and pull boxes because of longer cable runs and the elimination of potential splices

Improve accuracy of future pull calculations.

- The back-calculation feature in the software can be utilized when field-recorded ending tensions are entered into a pull plan—producing a field-verified pull calculation for future reference
- Engineering teams can create a catalog of common cable pulls based on field data experience that can be applied to future pull plans that utilize similar cable, conduit, lubricant, and route data



Easily set up a pull-plan using conduit size and material, cable OD, weight lbs/foot, number of cables and jacket material, back tension, and route data.



The Pull-Planner includes the world's largest COF database, including multiple cable jacket and conduit types, compiled from decades of research by Polywater.

Gain Insight on the Influence of COF

WITH NO CABLE LUBRICANT

		Bends
COF	Tension	Sidewall Pressure
0.28	-3 lbs	0 lbs/ft
0.28	1279 lbs	243 lbs/ft
0.28	3283 lbs	623 lbs/ft
0.28	3319 lbs	-

COF=0.28

WITH CABLE LUBRICANT

		Bends
COF	Tension	Sidewall Pressure
0.12	15 lbs	0 lbs/ft
0.12	402 lbs	76 lbs/ft
0.12	862 lbs	163 lbs/ft
0.12	897 lbs	-

COF=0.12

Once a plan is entered into the Pull-Planner, users can easily select different lubricant types, or no lubricant, to see the impact on ending tension and sidewall pressure.

LEARN MORE ABOUT PULL-PLANNER

Polywater®
Solutions at work.

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