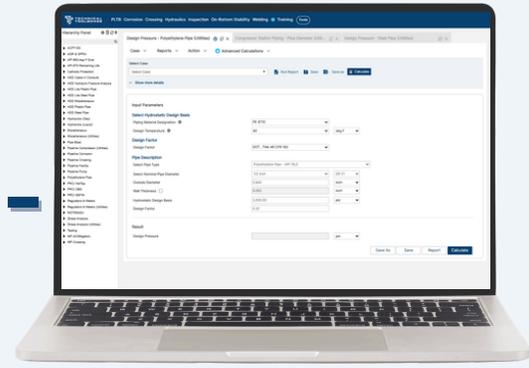


PIPELINE TOOLBOX- UTILITIES (PLTB-U)



Maximize utility engineering efficiency, accuracy, and compliance with a centralized platform built to standardize workflows and simplify regulatory demands.

PLTB-Utilities (PLTB-U) delivers the essential engineering calculations utility providers need to improve efficiency, strengthen compliance, and reduce risk across their pipeline systems. Designed for smaller networks and lean teams, PLTB-U replaces disconnected spreadsheets with a centralized, cloud-based calculation platform built for practical, everyday engineering workflows.

From stress analysis and hydraulics to pressure testing and system validation, PLTB-U supports compliance with applicable federal and industry regulations, including PHMSA requirements, DOT regulations, and ASME standards. Built-in, validated calculations align with industry codes, enabling utility providers to perform defensible engineering analyses while maintaining consistent, auditable documentation.

Instead of managing formulas across uncontrolled spreadsheets, your team gains standardized workflows, improved data integrity, and confidence in every calculation.

KEY FEATURES

- **100+ Utility-Focused Calculations:** Cover stress analysis, hydraulics, pressure testing, and core design scenarios for gas and liquid systems.
- **Streamlined Workflow for Lean Teams:** Designed for utilities without large engineering departments or IT support. Share cases, calculations, and reports across engineering, operations, and compliance teams.
- **Centralized Cloud-Based Platform:** Replace disconnected spreadsheets with one secure source of truth.
- **Regulatory Compliance:** Built-in adherence to PHMSA, DOT, CSA, ASME, and other industry codes.
- **Upgrade Path to PLTB-MAX:** Start with what you need today. Scale as your network or regulatory demands grow.

PIPELINE TOOLBOX APPLICATIONS



Hydraulics

Optimize pipeline operations with industry-accepted hydraulic flow calculations for pipelines. Engineers can model pressure drops, flow rates, and capacity constraints, ensuring efficient and safe operations across complex pipeline networks.



Design & Stress Analysis

Perform wall thickness, bending stress, and deflection calculations to verify that pipelines meet applicable code and safety requirements. Whether supporting new installations or evaluating existing systems, this module enables engineers to validate structural integrity and document compliance with industry standards.



Pipeline Testing & Hydrostatic Testing

Run hydrostatic pressure calculations to validate strength and leak testing parameters for new and existing pipelines. Engineers can confirm allowable pressure limits, assess safety margins, and document testing methodologies in a structured format to support regulatory compliance and audit requirements.



Core Utility Engineering Calculations

Access over 100 essential pipeline calculations used for routine operations, system modifications, and integrity validation. Standardized calculation methods reduce spreadsheet errors, support consistent engineering practices, and provide documentation suitable for internal review and regulatory inspection.

FIND OUT MORE

Learn more about Pipeline HUB's [Pipeline Toolbox - Utilities](#) capabilities and [schedule a demo](#) to see it in action.

ABOUT TECHNICAL TOOLBOXES

Technical Toolboxes is the global leader of integrity analytics for pipelines to help solve the growing, complex challenges they face across crossings, corrosion, welding, and more. Our modern software platform provides a simple way to get the most accurate pipeline engineering calculations so that you can increase team productivity and improve compliance while decreasing risk. We enable energy companies to move away from rudimentary calculations and processes to a world of fast, secure, scalable pipeline insights you can trust.

To learn more about Technical Toolboxes and the Pipeline HUB, go to www.technicaltoolboxes.com.

