RSTRENG+

TECHNICAL TOOLBOXES

INDUSTRY PROVEN SOFTWARE TO DETERMINE REMAINING STRENGTH OF PIPE AND MITIGATE RISK OF PIPELINE CORROSION

Technical Toolboxes RSTRENG+ software provides an extensive solution combining the PRCI-backed RSTRENG software with multiple advanced features and calculations that facilitate better integrity repair decisions reducing risk and improving the quality of engineering operations. RSTRENG+ is built on top of the RSTRENG engine, which is the only Level 2 methodology sanctioned by the Code of Federal Regulations (CFR) to calculate remaining strength along extended lengths of pipe. The automatic workflows of RSTRENG+ drastically reduce the manual work while concurrently increasing the speed, accuracy, and confidence, with which an engineer can complete integrity analysis projects. RSTRENG+ comes equipped with advanced features such as Batch Run and the Zero-Out Method along with Non PRCI calculations to accommodate multiple scenarios and TVC recordkeeping to comply with the Mega Rule under the Pipeline and Hazardous Materials Safety Administration (PHMSA).

WHY USE THE RSTRENG+

- Determine failure pressure and remaining strength quickly
- Accelerate project schedules via automated workflows
- Improve accuracy and confidence with Zero-Out Method
- Increase efficiency by analyzing up to 50 cases simultaneously with Batch Run
- Maintain high operational safety, adhering to CFR Title 49, Parts 192 & 195
- Reduce cost for pipeline maintenance with multiple levels of repair options
- Verify costly, catastrophic failure events by identifying multiple metal loss defects
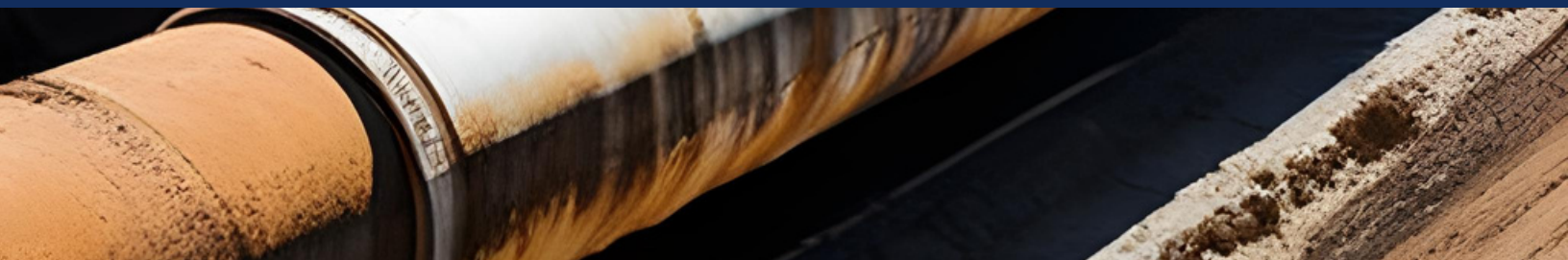
RSTRENG+ FEATURES

- **Zero-Out Method** – gives engineers the ability to pinpoint effective areas of corrosion along a pipeline that need repair, within miles of inspection data, to operate at the desired Maximum Allowable Operating Pressure (MAOP).

- **Non PRCI Calculations** – offers reassessment interval calculation to reduce risk and cost through optimizing the number of times a pipe is assessed while balancing integrity needs in resource-constrained environments. It also includes remaining strength calculations (SHELL-92, DNV, PCORRC, API579) that provide flexibility to accommodate different scenarios along with facilitating knowledge transfer.

- **Batch Run** – an advanced Pipeline HUB platform feature allowing users to simulate multiple case runs in a single execution. Users can execute cases against pre-defined model validation limits and be provided with an execution summary.
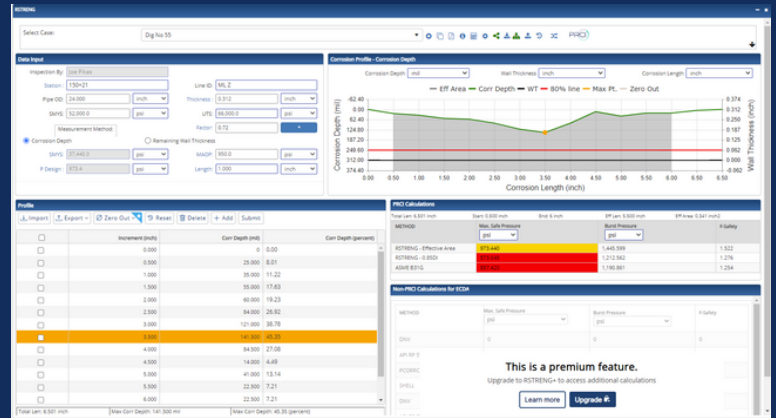
TYING IT ALL TOGETHER WITH THE PIPELINE HUB

- A centralized data repository for all RSTRENG+ applications and reports, shareable across teams
- All tools are GIS integrated to provide visual representations of pipeline assets and automated elevation import
- Automated report generation with a click of a button to fulfill TVC (traceable, verifiable, complete) documentation.

PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION OR TO REQUEST A DEMO

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www.technicaltoolboxes.com