

# Comprehensive Transmission System Solutions

Real-Time Answers/Integrated Solutions

## Engineering Services

USi maintains core competency in all aspects of UG cable engineering providing valuable technical support from conceptual planning through commissioning and maintenance. In addition we support utilities in the operation, maintenance and repair—and— life extension of their transmission cable assets. Our knowledge base and experience spans the following areas:

- Concept & Feasibility Studies
- Inspections & Audits
- Asset Reclamation
- Route Selection & Planning

- System Ratings
- Project Management
- Commissioning
- Emergency Repairs

- Contingency Planning
- Maintenance Automation
- Leak Detection Systems
- Turnkey Projects

## Cable Accessories



USi is the leading supplier of HV & EHV cable accessories for High Pressure Pipe Type and Self Contained oil and gas pressurized cables. We offer a broad range of products for splicing paper and LPP laminar dielectric cables including those designed to provide hydraulic isolation, cable anchoring and insulation and conductor transitions. We also supply standard and specialty terminations. USi provides engineering support, installation support, field supervision, emergency engineering and support, project management and turnkey services including training, commissioning and ongoing maintenance.

## MRDC

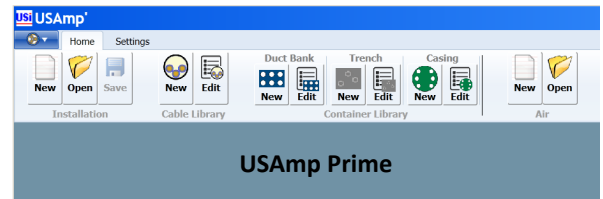
### Monitoring — Rating — Diagnostics — Controls

USi has expertise in OH and UG - capturing critical information, on advanced hardware, then transmitting and reporting that data so operators can maintain their networks, effectively, economically. and efficiently. Contact USi for additional information on any of the many products we offer including:



- Leak detection and monitoring
- USAmP' - Insulated conductors rating
- RateKit—OH line rating
- Communications hardware & software

- Data collection & analysis
- Dynamic Line Rating
- DTS Systems
- Corrosion protection monitoring



## Pressurizing — Circulation — Cooling Plants



Our system design and fabrication capabilities can provide utilities with technically and economically attractive solutions to increase ratings of new and existing transmission circuits. Our experience in the design, supply, installation and operation of fluid pressurization, circulation and cooling equipment are key components in achieving these goals. This state-of-the-art equipment is designed specifically to achieve desired circuit ratings, often integrated seamlessly into existing circuits with minimal disruption of service.