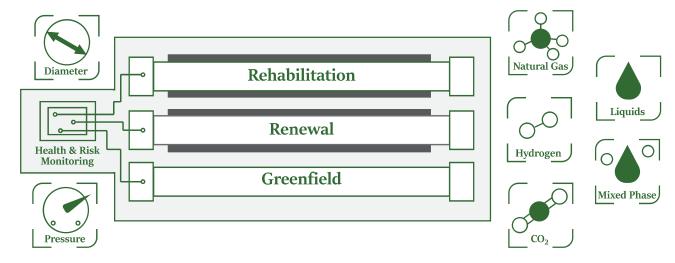
# Transmission and Distribution Scale Pipeline Innervated Tubular Composite

## ITC-PL





Designed for pipeline renewal, rehabilitation, and greenfield applications. Fluid compatible now and in the future, with embedded continuous health monitoring for operational confidence over the lifetime of the product.



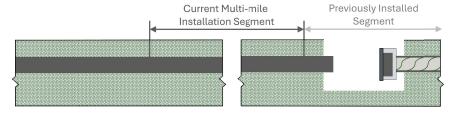
### ITC-PL Product Advantages



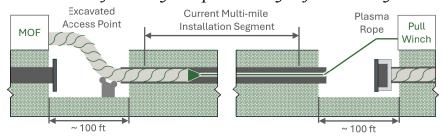
- On-site manufacturing method provides continuous installation segments of up to 10 miles long, dramatically reducing renewal access requirements.
- Novel carbon fiber materials and manufacturing enable a low cost while attaining high pressure and cycle performance.
- Reinforced carbon fiber composite and novel liner eliminates corrosion risk and hydrogen embrittlement.
- Continous health and risk
  monitoring with distributed fiber
  optic sensing is fully embedded
  and integrated nto the product
  assembly.
- Future-proofed design allows for interchangeability of fluids to adapt to market changes.

## **ITC-PL Installation**

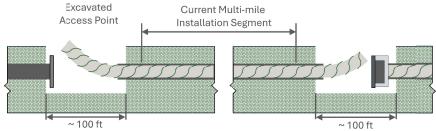
Pipeline segment to be rehabilitated with ITC-PL



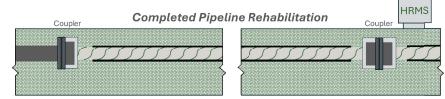
#### On-site manufacturing and pull-through of ITC-PL segment



#### Completion of ITC-PL segment pull-through



#### Finalization of coupler connections and HRMS tie-in



## ✓ Requirements and Certifications

- ☑ ITC-PL manufacturing follows ISO 9000 series methodologies
- ☑ ITC-PL follows API-15S Spoolable Composite Pipeline Systems for requirements and test specifications aside from spool specific elements since ITC-PL is not a spoolable product.
- As a composite pipe, ITC-PL requirements are specified in 49 CFR 192.9(e)(1)(i) for Type C gathering applications.
- For regulated transmission applications, ITC-PL requires a special waiver.

  Contact us at https://braindriptech.com

