

# TUBULAR REPURPOSING

A PIPE DATA FIELD SERVICE



**COST SAVINGS**



**QUALITY ASSURANCE**



**LOWER CO<sub>2</sub> EMISSIONS**



**THE ONSITE SOLUTION  
FOR EFFICIENTLY  
ASSESSING, RESELLING  
OR RE-USING STOCK**

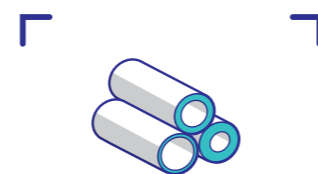
- DATA-BASED INSPECTION ELIMINATES HUMAN ERROR
- ONSITE INSPECTION AVOIDS PIPE TRANSPORTATION
- DECREASES COST & LEAD TIME



## CHALLENGES

Pipes degrade over time due to causes including corrosion, pitting, crack, casing wear and wireline cut.

This deterioration eventually results in assets being written off and needing to be disposed of. The main options for degraded pipes are reducing them to scrap, which can be expensive, or re-use, which requires them to be cut and thread by the licensee and then logged if the body condition is questionable.



### RANGE

7" TO 14" OD  
COMING IN 2024 :  
5.5" OD WITH UT



### TECHNOLOGY USED

IN-PIPE ROVER:  
A PORTABLE LOGGING  
DEVICE USING EITHER  
ULTRASOUND (UT) OR  
EDDY CURRENT TESTING  
(ET) TECHNOLOGY

## SOLUTIONS

Vallourec's **Tubular Repurposing** is a field-based service for assessing and repurposing inactive and workover casing, tubing, riser and line pipe.

Leveraging the In-Pipe Rover, a portable inspection device, the service provides full real-time defect and wall thickness maps to evaluate pipe condition. The inspection is carried out directly at the operator's yard site.

- Equipped with **Ultrasound (UT) and Eddy Current Testing (ET) technologies**, the In-Pipe Rover can be run on the rig deck or in the yard.
- Supports **all tubular stocks** from any manufacturer using Vallourec's NDT systems and e-commerce platforms.
- Operators ensure **pipe integrity** before use or disposal, **reducing costs, lead time, and carbon footprint** by eliminating the need to transport pipes for inspection.
- Stock can be sold** on Vallourec E-commerce, Vallourec's international online marketplace site - a chance to give inventory a second life and participate in the circular economy while generating a new revenue stream.



### DELIVERABLES

With Vallourec's Tubular Repurposing service, the pipe owner receives:



**A full inspection report** providing full details of pipe condition.



**A tally list** with per slice or per pipe details, including min/max/average wall thickness and eccentricity, inside diameter and out-of-roundness, outside diameter, displacement/bore volumes and an evaluation based on pre-agreed tolerances.



**A digital data set** compatible with current softwares.

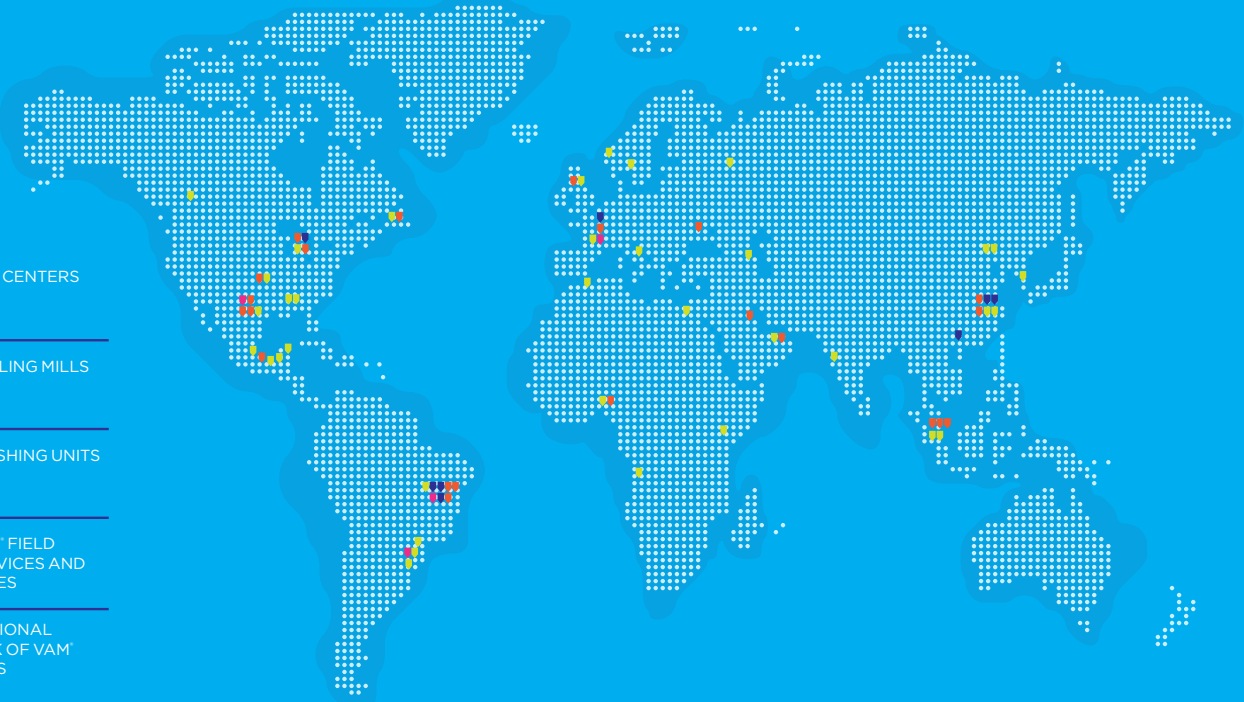
### ENSURING INTEGRITY OF 7-YEAR STOCK

An IOC operating in Brazil needed ~30-40 joints 14" casing at the bottom of the string inside a salt dome. The section had a higher collapse risk than the rest, but there wasn't enough time to order new thicker 14" pipes.

Thanks to a visual inspection and an In-Pipe Rover with Ultrasound, the operator was able to check the 14" stock in its yard, which had been unused for 7 years. Of the 50 pipes inspected, 36 were accepted with full-length WT > 90% nominal. As a result, the operator was able to categorize pipes according to WT and ensure well integrity in the salt dome.

**CREATE  
NEW VALUE  
THROUGH  
RE-SELLING  
AND RE-USE**

# YOUR PARTNER, SETTING THE PACE FOR INNOVATION AND PERFORMANCE EVOLUTION



R&D CENTERS

ROLLING MILLS

FINISHING UNITS

VAM FIELD  
SERVICES AND  
SALES

INTERNATIONAL  
NETWORK OF VAM  
LICENSEES

## NEED MORE INFORMATION?

Information is available online  
on [solutions.vallourec.com](https://solutions.vallourec.com) or by  
scanning the following QR code.



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[contact@vallourec.com](mailto:contact@vallourec.com)  
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92190 Meudon - FRANCE  
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[www.vallourec.com](https://www.vallourec.com)