



TRAPIL SERVICES

Our expertise
serving your projects

TRAPIL SERVICES:

EXPERTISE CALIBRATED TO YOUR NEEDS

About TRAPIL Services

TRAPIL has operated its own pipeline networks for more than 65 years and developed unique expertise and know-how in the process. We leverage this expertise to support pipeline operators in France and around the world in their network construction, operation, maintenance and management projects.

A Unique Expertise

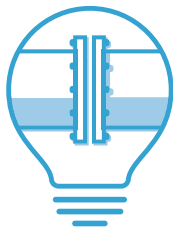
Backed by proprietary technologies and a team that includes members of international working groups, TRAPIL has the necessary resources to offer customized solutions, ranging from assistance on specific studies to large-scale project management.

An Uncompromising Commitment to Safety

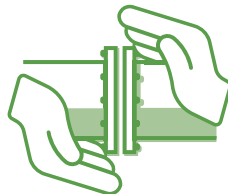
For more than 65 years, TRAPIL has maintained demanding safety standards to prevent incidents that could harm people or the environment along its operated pipelines. This commitment to keeping people and the environment safe is an integral part of our business. Our deeply ingrained safety culture has made TRAPIL a trusted partner for all your projects.

Three Areas of Expertise

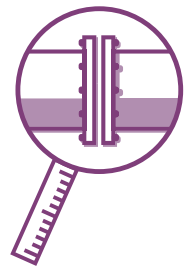
TRAPIL deploys its unique expertise in three main areas:



**ENGINEERING
& PIPELINE CONSTRUCTION**



**INSPECTION
& INTEGRITY**



**QUALITY
& METERING**



› OUR COMMITMENTS:

- Globally recognized expertise
- In-house knowledge and know-how
- Tailored solutions for each customer
- A core focus on protecting people and the environment



› FACTS & FIGURES:

- More than **4 700 km** of operated pipelines in France
- **160** pumping and delivery facilities
- **850 000** cubic meters of tank farms
- **55%** of the refined products used in France transit via TRAPIL pipelines TRAPIL

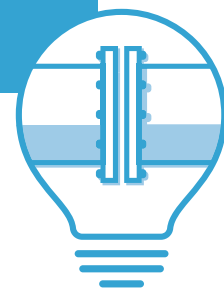


› Our expertise is backed by certifications and membership in national and international associations:

International Quality and Safety Management Systems
Certified to ISO 9001:2015 by AFNOR – NF EN ISO/IEC 17025 Accredited Laboratories
Centre Français de l'Anticorrosion (CEFRACOR)
Pigging Products and Services Association (PPSA)

TRAPIL SERVICES:

ENGINEERING & PIPELINE CONSTRUCTION



As both a service provider and the operator of more than 4,700 km of pipelines, TRAPIL brings unique expertise to all of your construction and modification projects for pipelines and auxiliary installations.

We support you during every stage of your project, from feasibility studies to network operation, as well as through optimization of existing facilities.

Depending on your needs, we can assist the contracting authority or serve as prime contractor.

What's more, we offer a modular lineup of services that can be adapted to suit your requirements.

As part of our core focus on safety, we integrate risk prevention and environmental protection into project planning every step of the way.

**The unique expertise of a
recognized operator who
understands your engineering
needs.**



> TRAPIL offers full-scale support at every stage of your project:

Engineering :

Preliminary and detailed design and engineering studies, development of software for pipeline and depot management, preparation of calls for tenders

Procurement :

Selection of equipment and materials, specifications and management of contractors, works acceptance

Construction :

Worksite supervision and monitoring, HSEQ management, integration of new automation devices

Commissioning :

Final testing and commissioning of the new facilities, including hands-on training for your teams

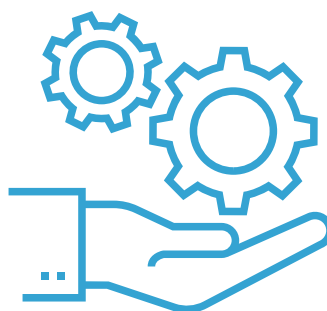
> OUR COMMITMENTS:

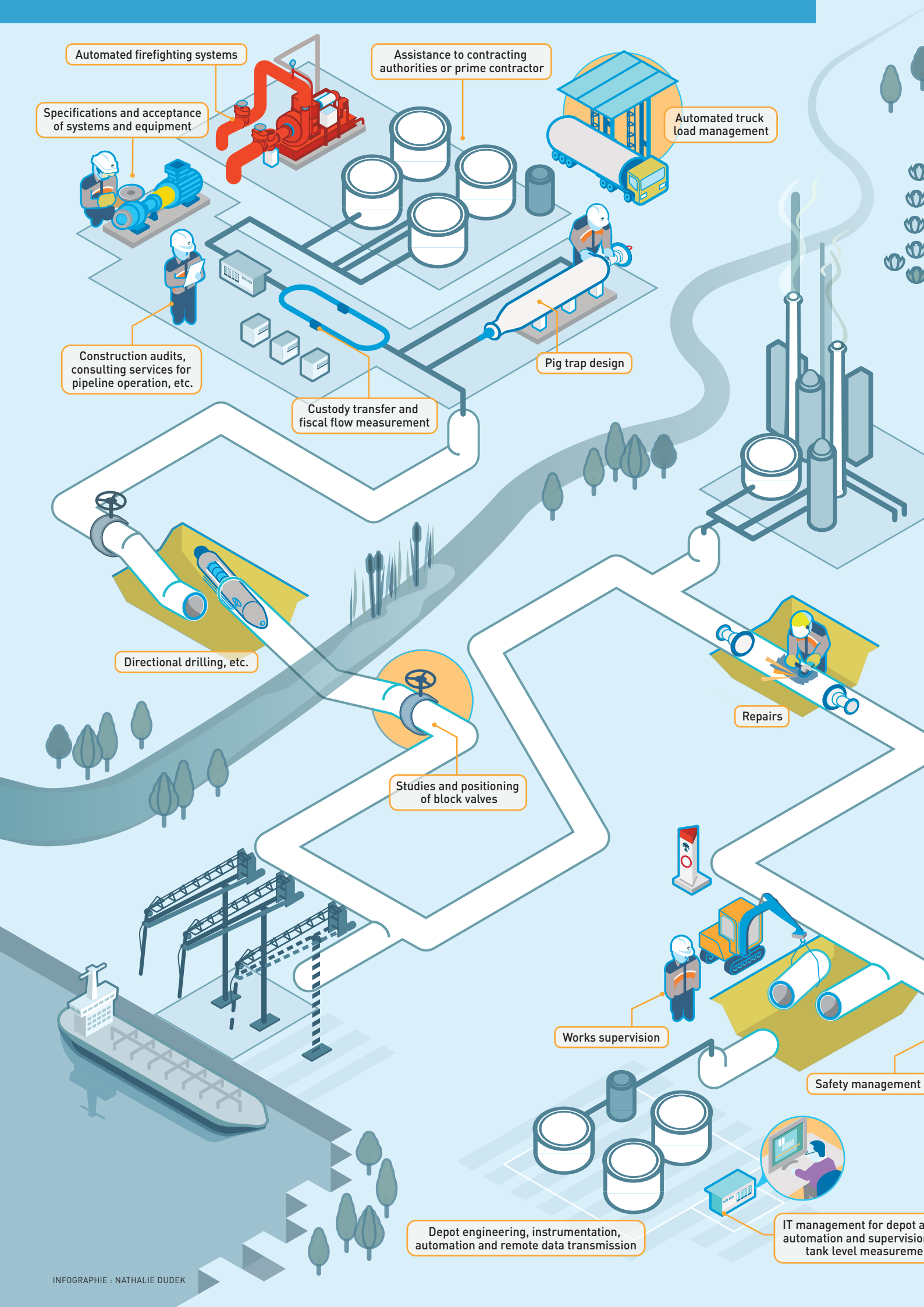
- A fully modular lineup, from specific studies to turnkey projects
- An unwavering focus on safety
- The unique expertise of a service provider who is also a pipeline operator

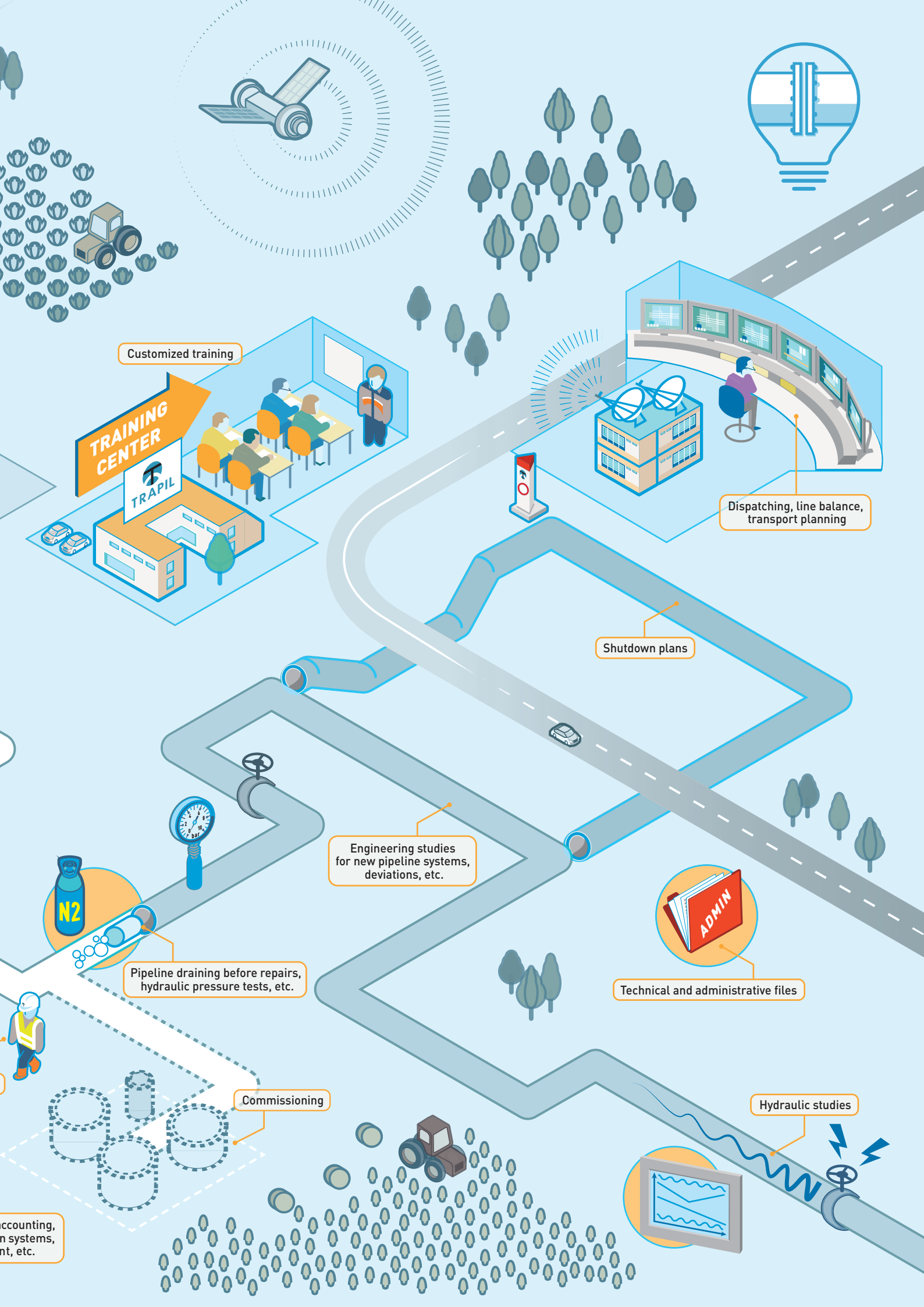


> ADDITIONAL SERVICES:

- Applied training on operation, maintenance and more at your facilities or our own
- Optimization audits
- Expert consulting across the pipeline value chain

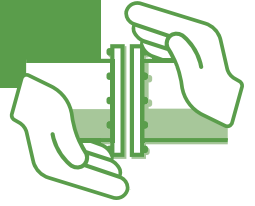






TRAPIL SERVICES:

INSPECTION & INTEGRITY



For more than 65 years, keeping people and the environment safe has been a top-of-mind concern for TRAPIL. Because pipeline safety is central to our mission, integrity is a key part of our corporate culture.

And because there is no one-shot solution, we help you implement additional solutions with the objective of achieving zero leaks.

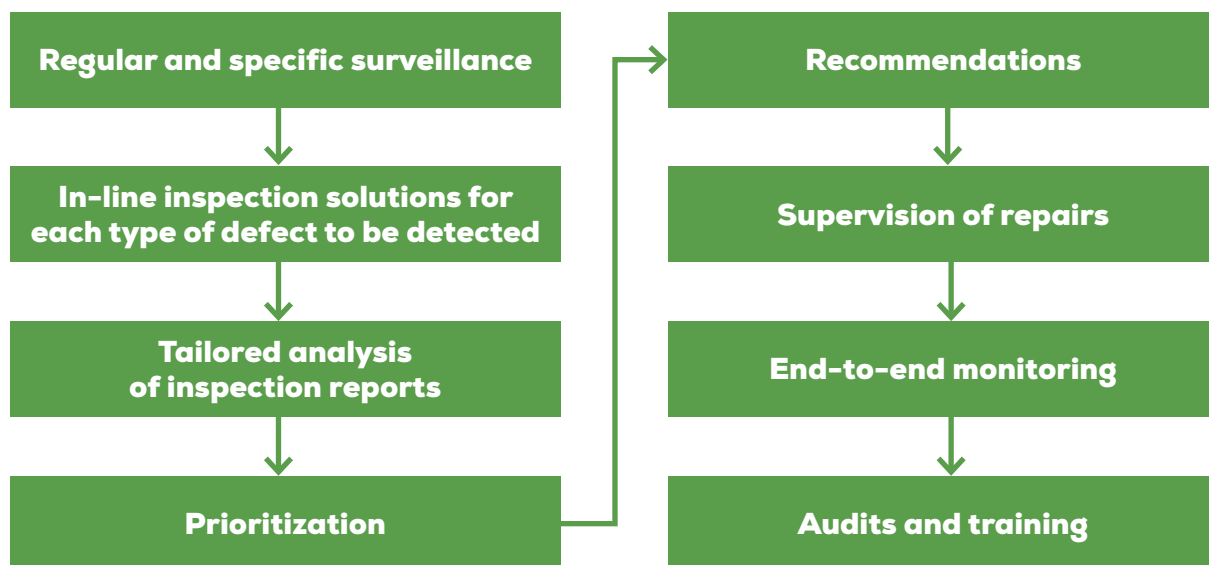
We have developed appropriate technologies internally to ensure responsive, controlled pipeline integrity. These include our own fleet of instrumented pigs adapted to each specific need.

As part of our pipeline monitoring and maintenance plans, we conduct the necessary checks, characterize defects and recommend repairs.

**Pipeline integrity is a major challenge.
That's why TRAPIL develops customized
solutions and tests them in its own
networks to meet its customers' needs.**



➤ TRAPIL offers a comprehensive package of support services for every stage in the integrity management process:



➤ OUR COMMITMENTS:

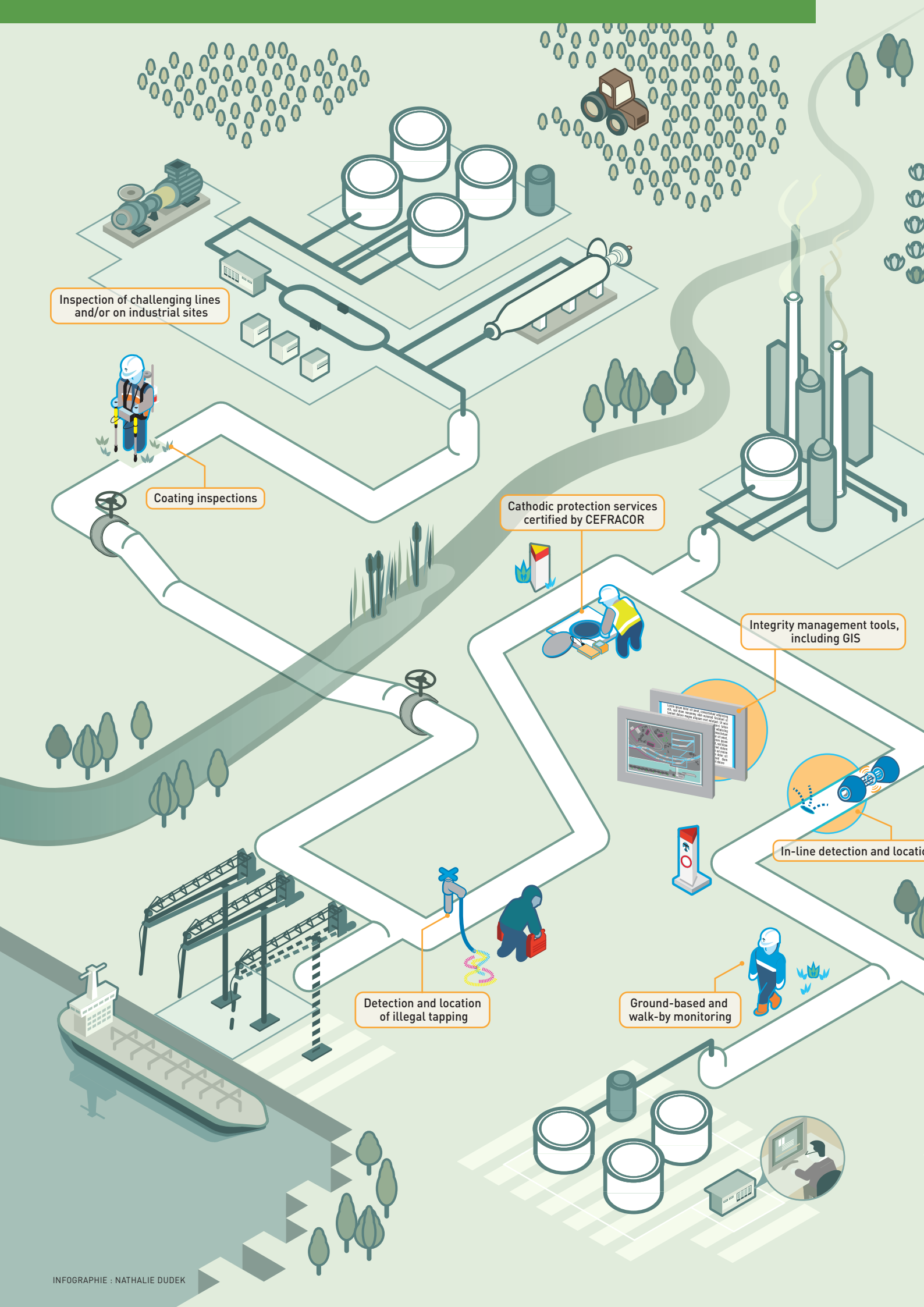
- Deployment of additional customized pipeline integrity solutions
- A group of CEFRACOR experts and pipeline inspectors
- Resources and techniques developed in-house and tested in our own networks



➤ ADDITIONAL SERVICES:

- A variety of audit services
- Training on integrity-related topics
- Training in cathodic protection
- Assistance in implementing integrity policies
- Inspection report analysis and final recommendations





Inspection of challenging lines and/or on industrial sites

Coating inspections

Cathodic protection services certified by CEFACOR

Integrity management tools, including GIS

In-line detection and location

Detection and location of illegal tapping

Ground-based and walk-by monitoring



Integrity audits, training in cathodic protection, etc.

TRAINING CENTER
TRAPIL

Superstructure inspection and maintenance

Categorization of defects and recommendations for treatment

In-line inspections using our proprietary fleet of tools to:

PIGGING PRODUCTS & SERVICES ASSOCIATION

Aerial surveillance

on of leaks

Automatic leak detection

Detect and size metal losses

Detect and size cracks

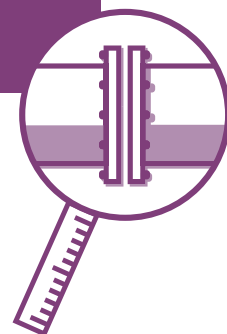
Works supervision

Monitor geometrical deformations

Nondestructive testing, defect acceptance criteria, recommendations, etc.

TRAPIL SERVICES:

QUALITY & METERING



The ability to track the quality of products in transit through a pipeline is an integral part of pipeline operation. For this reason, TRAPIL's internal teams have developed the key competencies that ensure effective control of the physical measurements used to manage product quality. Today, TRAPIL is a respected market benchmark, leveraging its know-how both internally and on behalf of its customers.

TRAPIL has its own meter calibration facility in Gennevilliers, near Paris. The facility works in association with France's National Metrology and Testing Laboratory (LNE). We also have accredited laboratories that can calibrate your metering devices and analyze certain specifications of your products.

TRAPIL's expertise, combined with its internally developed skills and infrastructure, ensure full compliance with product specifications and reliable tracking of major pipeline phenomena.

**TRAPIL guarantees
traceability, accurate
measurement and quality
compliance for products in
transit through your pipeline.**



➤ Recognized, accredited calibration expertise for:

Temperature

Pressure

Specific Gravity

Flowrate

➤ **OUR COMMITMENTS:**

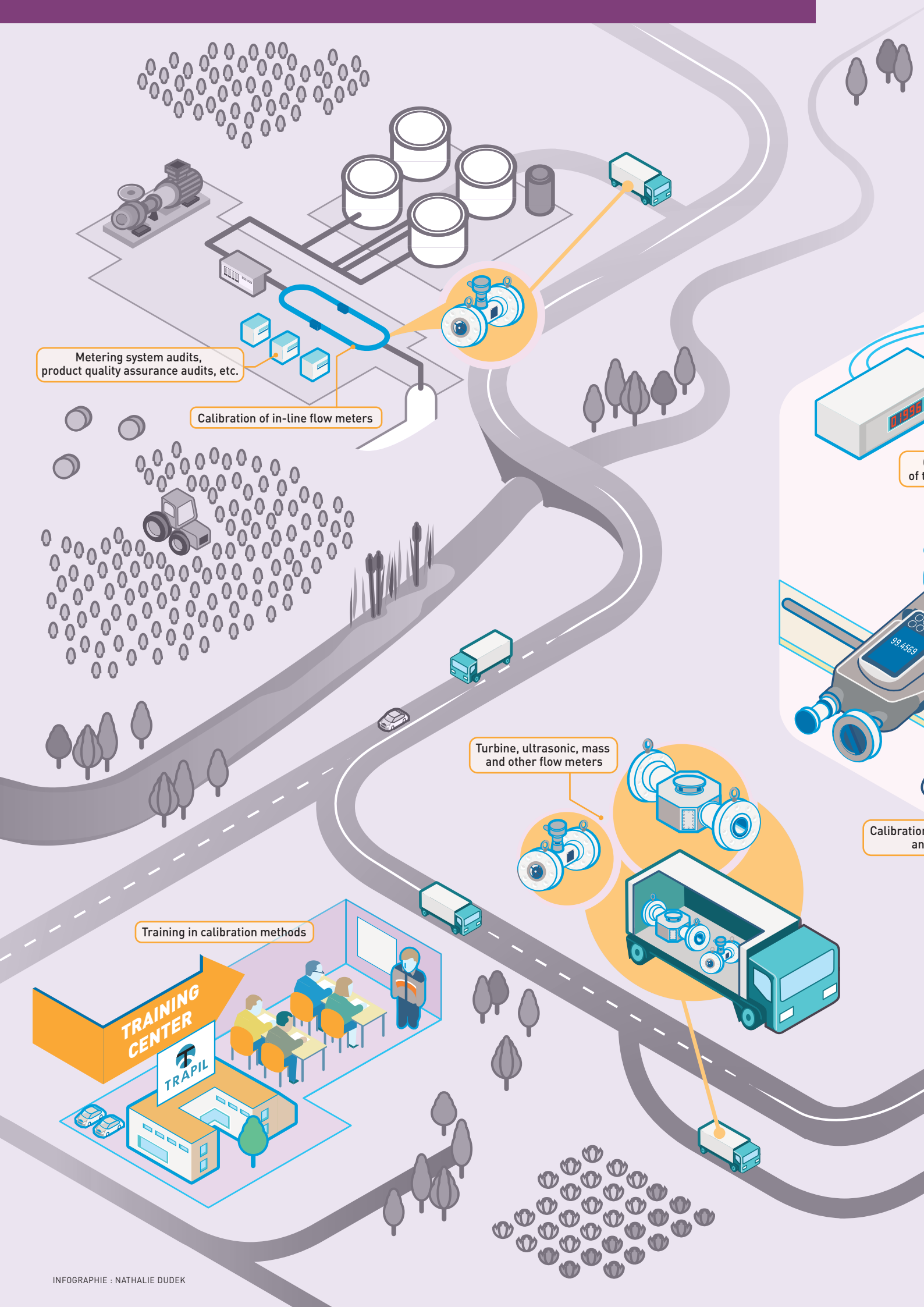
- Metering carried out in compliance with current standards and recommendations
- A meter calibration facility developed by TRAPIL that works in association with France's National Metrology and Testing Laboratory (LNE)
- Accredited laboratories for instrument calibration and product analyses
- One of the highest accuracy rates in the market
- A broad catalogue of analysis techniques available on demand
- A tailored lineup that can include audits and training



➤ **ADDITIONAL SERVICES:**

- Metering system audits
- Product quality audits and optimization of facilities that receive refined products
- Calibration training





Metering system audits,
product quality assurance audits, etc.

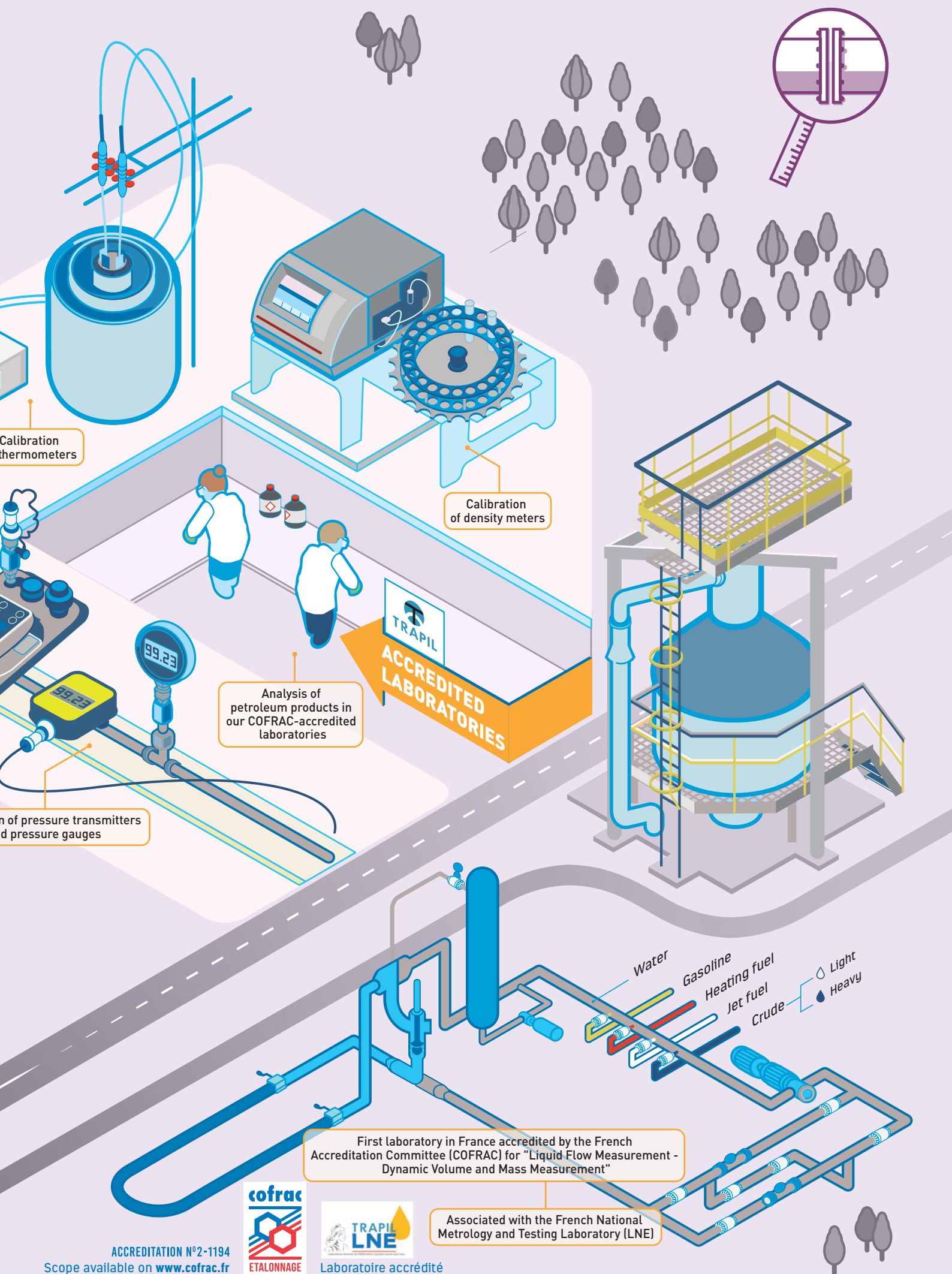
Calibration of in-line flow meters

Turbine, ultrasonic, mass
and other flow meters

Training in calibration methods

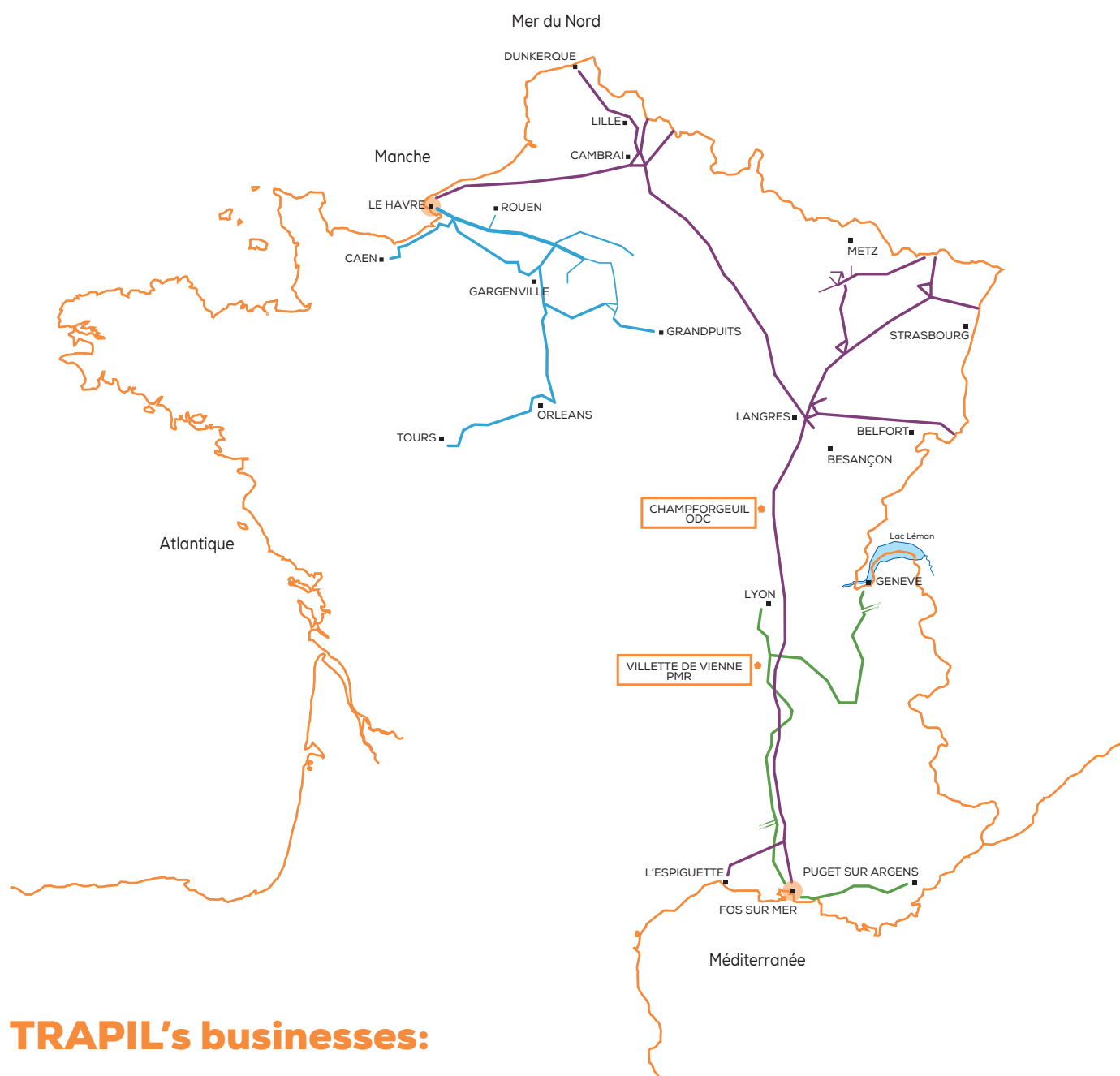
TRAINING
CENTER

TRAPIL



PIPELINE

NETWORKS OPERATED BY TRAPIL



TRAPIL's businesses:

- 1 | Pipeline transportation of refined petroleum products via our proprietary Le Havre-Paris (LHP) network
- 2 | Operation, maintenance and management of third-party pipelines
- 3 | Services backed by the experience of a pipeline owner and operator in three key areas: Engineering & Pipeline Construction, Inspection & Integrity and Quality & Metering

- Le Havre-Paris pipeline (LHP)
- NATO pipelines in France (ODC)
- Mediterranean Rhone Pipeline (PMR)



TRAPIL SERVICES

Our expertise
serving your projects

Conception & Realisation :
Tapioka Communication

Technical drawings :
Nathalie Dudek

www.trapil.com

