



Decision support software: assessment of the risks associated with the choice of protective coatings for pipes laid by directional drilling (thicknesses and materials) and calculation of mechanical stresses.

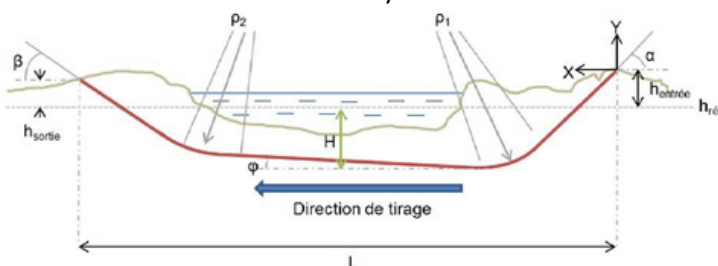
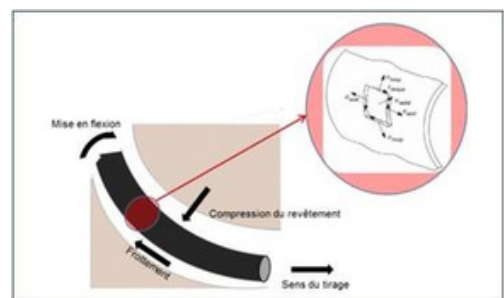


## YOU ARE:

- Engineering services for network operators and manufacturers
- A design office, in charge of preliminary studies for Horizontal Directional Drilling projects
- A client or project manager
- A directional drilling company
- An equipment manufacturer

## YOUR CHALLENGES

- Use the **Horizontal Directional Drilling** technique under optimum installation conditions
- Preserve **the mechanical integrity** of the pipe to be laid during the pulling phase.
- Ensure that the **protective coating is well adapted to avoid the effects of corrosion** in the years to come.





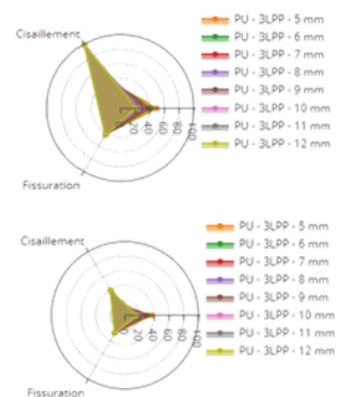
## NOS ATOUTS

Knowledge of the business

Assessment of the mechanical stresses exerted on the steel pipe when it is pulled into position, depending on the profile, material and diameter used, and local geological conditions.

Determination of coating thicknesses and materials best suited to the characteristics of the job site.

Revêtements ↕	Épaisseurs [mm]	Revêtements de ligne			Revêtements de joint		
		Cisaillement	Fissuration	Abrasion	Cisaillement	Fissuration	Abrasion
PU - 3LPP	5	Faible	Faible	Faible	Faible	Faible	Faible
PU - 3LPP	6	Faible	Faible	Faible	Faible	Faible	Faible
PU - 3LPP	7	Faible	Faible	Faible	Faible	Faible	Faible
PU - 3LPP	8	Faible	Faible	Faible	Élevé	Faible	Faible
PU - 3LPP	9	Faible	Faible	Faible	Élevé	Faible	Faible
PU - 3LPP	10	Faible	Faible	Faible	Élevé	Faible	Faible
PU - 3LPP	11	Faible	Faible	Faible	Élevé	Faible	Faible
PU - 3LPP	12	Faible	Faible	Faible	Élevé	Faible	Faible



## OUR STRENGTHS

A dedicated team provides technical support, training and maintenance for fast, efficient user support

The tool is easy to learn and use, and delivers usable results

## YOUR CONTACTS

A generic address for all contacts: : [blg-grt-rice-optidrilling@natranguroupe.com](mailto:blg-grt-rice-optidrilling@natranguroupe.com)



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