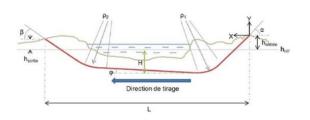
Opti'Drilling, decision-making software for the choice of protective coatings for pipes laid in directional drilling

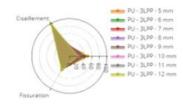
YOUR CHALLENGES

Optimize your directional drilling sites and limit risks by identifying the best technical choices for your coatings (thickness and materials) and by calculating the mechanical stresses exerted on your structures.

OUR VALUE-ADDED SKILLS

- Evaluation of the mechanical stresses exerted on the tensile steel pipeline during its introduction, as a function of the profile, the material used, the diameter, and the local geological conditions.
- Determination of the thicknesses and liner materials that best apply to the characteristics of horizontal drilling.
- Software developed in web access, based on the IPCR equations and models, accessible in metric or imperial units and in French or English.
- Regular updates, and a team dedicated to training and maintaining the software.





Revétements :	Epaisseurs [mm]	Cisallement	Revitements de ligne			Revillements de joint	
			Fissuration	Attrasion	Cisallement	Financiation	Abrasion
PU-3LPP	5	Fable	Fable	Fable	Fable	Fable	Faible
PU-3LPP	6	Fable	Faible	Fable	Faible	Faible	Falble
PU-3LPP	7	Fable	Fable	Fable	Faible	Fable	Faible
PU-3LPP	8	Fable	Tuble	Fable	Devic	Fable	Faible
PU-3LPP	9	Fable	Yaitle	Faible	Elevé	Fable	Fable
PU-3LPP	10	Faible	Faible	Fable	Elevé	Fable	Fable
PU-3LPP	- 11	Faible	Fable	Fabre	Bevé	Fable	Faible
PU-3LPP	12	Faible	Faible	Fable	Elevé	Faible	Faible

PRICE OF THE SERVICE

- User license: €7,500 excl. tax/year, reduced to €7,000 excl. tax/year if commitment over 3 years.
- One-off calculation on a standard configuration carried out by NaTran R&I: €2,500 excl. VAT.
- Customized offer for more complex cases
- · Contact us to specify your needs.

THEY TRUST US





OUR CONTACTS

Alexandre ROYER / PASCAL AUSSANT, Research Engineers

Tél.: +33 7 61 66 05 68 / +33 6 30 17 54 80

Email: <u>alexandre.royer@natrangroupe.com</u> / <u>pascal.aussant@natrangroupe.com</u>

