



## INDUSTRIAL SAFETY

### RAMCES Pléiade: Tool for calculating the stresses generated on fluid transport pipelines by various external stresses

#### YOU ARE

- **Gas infrastructure operator** (transmission, distribution, storage, LNG terminals) operating underground steel pipelines.
- **User of a decision-support tool** for pipeline construction and stress calculations.

#### YOUR CHALLENGES

You need to carry out acceptability studies using simple input data on pipes with secondary loads, find out about excavation methods or access pipe-laying design tools.



#### OUR RESOURCES

RAMCES PLEIADE is a software package developed by NaTran R&I. Accessible via a web service, this PlateForme Logicielle Experte pour l'Ingénierie et l'Aide à la Décision de l'Exploitant (PLEIADE) is a tool for calculating the stresses generated on fluid transport pipelines by various external stresses, a decision-making aid for work in the vicinity of buried transport pipelines, and a design aid for buried transport pipelines. It thus provides a decision-making aid for the operator, enabling him to determine whether or not a load is acceptable for a pipeline.

- Developed with the support of NaTran's Technical Department
- International experts: Pierre Habib, François Schlosser and Alain Pecker

#### THE SERVICES WE OFFER

- Carrying out acceptability studies
- Design aid for pipe laying
- Marketing of RAMCES Pléiade license

Données de la canalisation

Données de la canalisation

Diamètre extérieur (mm)

Pré défini  Autre

Épaisseur (mm)

PMS (bar)

Coefficient de sécurité

Hauteur de couverture (m)

Limite d'élasticité (MPa)  ou Nuance d'acier

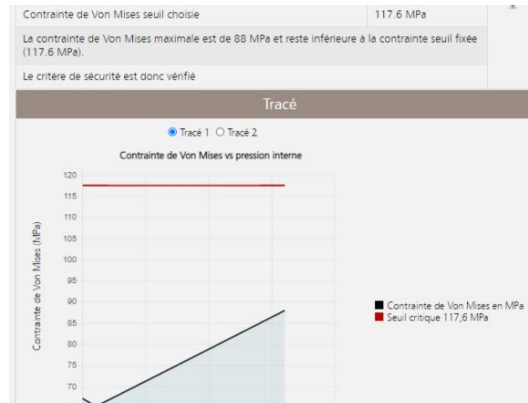
Surcharge

NaTran classification: Public [ ] Internal [X] Restricted [ ] Secret [ ]



## OUR REFERENCES

- RAMCES Pléiade speeds up in-house acceptability studies and provides a tailor-made tool for carriers
- The implementation of physical models has been validated with numerous numerical and/or experimental campaigns.
- Model validity ranges are clearly identified and are constantly evolving
- The tool has been cross-comparisined many times with standards and/or prescriptions.



- Quoting regulatory references in the tool facilitates the use of results

## OUR LICENSE PRICES

	1st year including entry ticket and license to use	Annual license from 2nd year onwards
<b>RAMCES PLEIADE software</b>	7.60 excluding VAT/km of network per country (maximum 15 licences/country)  Excluding training and RICE hotline (on estimate)	2.80 excluding VAT/km of network per country (maximum 15 licences/country)  Excluding training and the RICE hotline (on quote)

Upgradeable software maintenance to meet your specific needs can be provided on request.

## YOUR CONTACT

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