



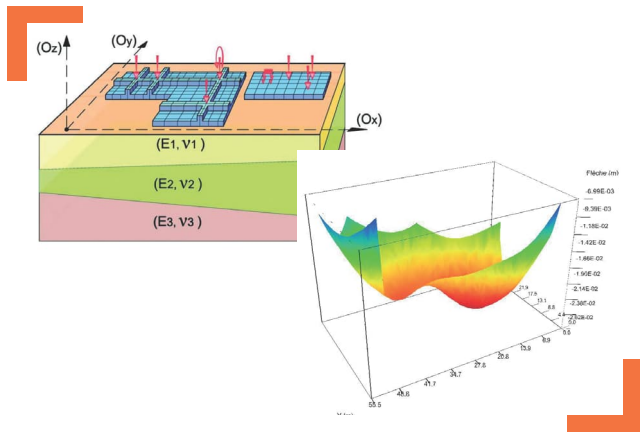
Foxta v5

Design of **shallow, deep, mixed and semi-deep foundations**

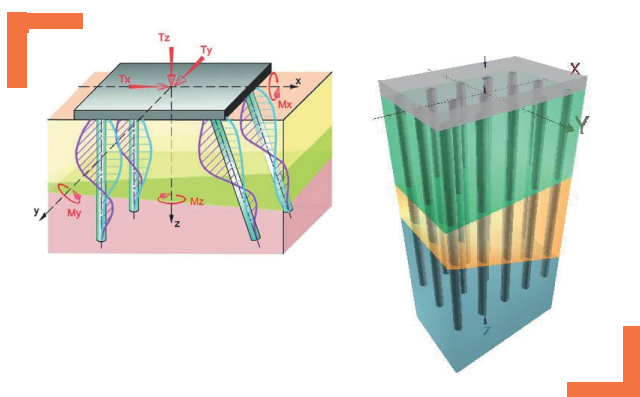


A comprehensive suite of **10** interconnected calculation **modules**

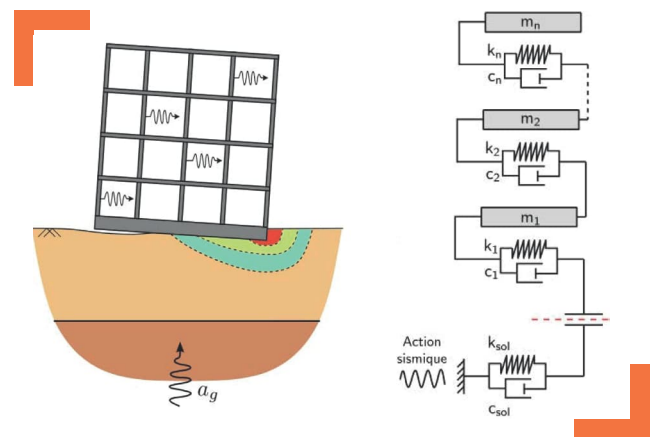
- **Fondsup**: design of **shallow foundations** in accordance with French and UK & US standards.
- **Tasseldo+**: 3D calculation of a **soil mass** of any stratigraphy subjected to a set of **vertical loads**.
- **Tasplaq+**: 3D calculation of one or more **slabs** in interaction resting on a **multi-layered soil mass**.



- **Fondprof**: design of **deep foundations** in accordance with French and UK & US standards.
- **Taspie+**: calculation using a generalised **t-z** model of a single pile or group of **piles** and of rigid-inclusion-reinforced soil masses subjected to **axial loading**.
- **Piecoef+**: calculation using a generalised **p-y** model of a single **pile** subjected to **lateral loading**, with or without consideration of second-order effects.
- **Groupie+**: 3D calculation of a **group of piles** and struts connected at the top by a footing or a raft foundation.



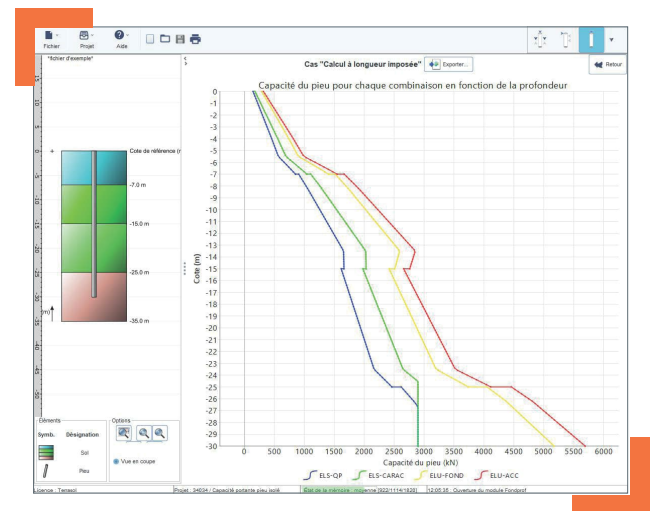
- **SemiProf**: 3D analysis of **semi-deep** foundations subjected to any load.
- **FondMix**: non-linear 3D analysis of a **mixed** foundation.
- **FondSis**: **displacement** analysis of a foundation subjected to **seismic loads**.



Interfaces between modules

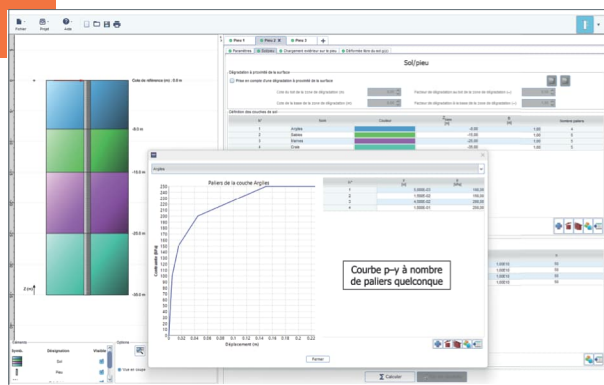
Foxta also allows the combined use of several modules through interfaces to address certain **soil-structure interaction** issues: generation of flexibility matrix, negative friction, lateral earth forces, etc.

The interface between **Tasplaq** and **Tasseldo** also enables the design of foundation slabs to be supplemented with **analysis of stresses and deformations** at depth, including non-elastic soil behaviour, and the effects of **consolidation**.

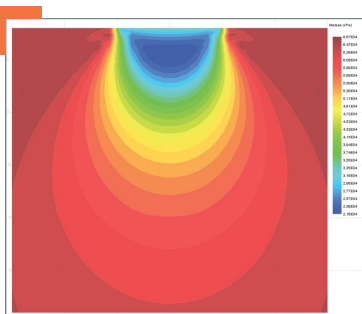


Key features of Foxta

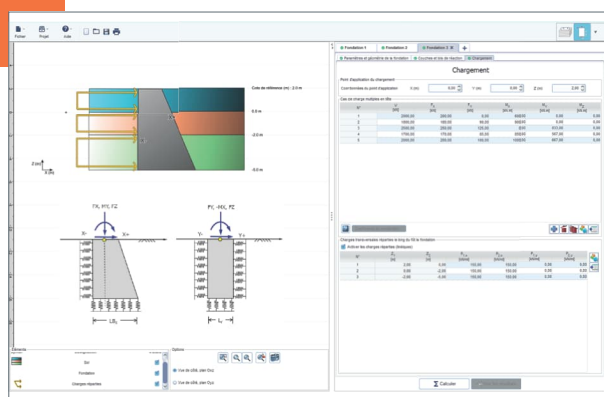
- A wide range of **assistants** for data entry and import, as well as for exporting results.
- Incorporates the latest developments in the Eurocode 7 application **standards** NF P 94 261 and NF P 94 262) as well as the latest ASIRI **recommendations**.



- Direct **graphical display** of entered data and calculated results (in 2D or 3D).
- Generalisation of **calculation variants** across all modules.

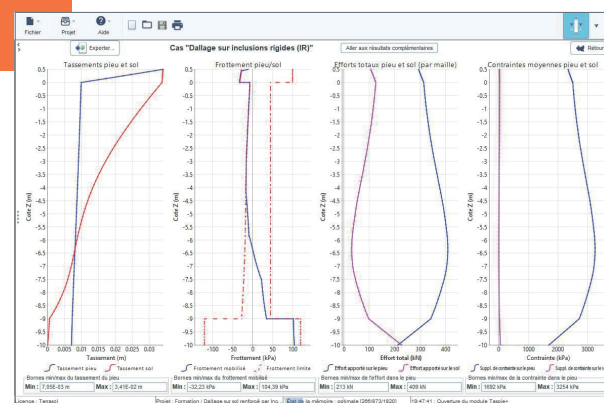


- Clearly identified units and legends.
- A **highly intuitive interface** and easy navigation between modules.
- Customisable **print reports**.

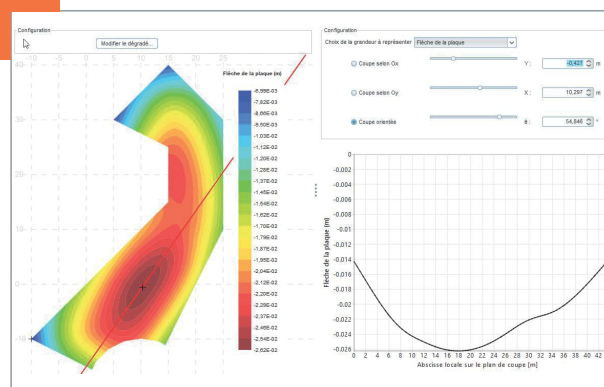


Available results

- **Formatted summary** of data and key results.
- **Numerical tables** that can be exported to the clipboard or directly to Microsoft Excel.
- **Result charts**: min/max values, clear legends, zoom and value viewing options, exportable as images or to Microsoft Excel.



- **Cross-sections** and 2D/3D graphical representations for Tasplaq and Tasseldo.
- **Pre-calculation assistants** for generating t-z and p-y reaction laws, treatment of pile group effects, or calculating the kinematic deformation of a multi-layered soil subjected to seismic loading.
- **Post-calculation assistant** to verify the stability of a massifs reinforced with rigid inclusions (overall bearing capacity of the mattress, additional moments), the structural resistance of a deep foundation under transverse loading, or the calculation of the compressed area.



Available versions

- **Full version**: all modules.
- **LT version** (5 modules): Fondsup, Fondprof, Tasseldo, Tasplaq et Taspie+.
- **Pile version** (5 modules): Fondprof, Taspie+, Piecoef+, Semiprof et Groupie+.

Minimum system requirement:
visit our web site



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