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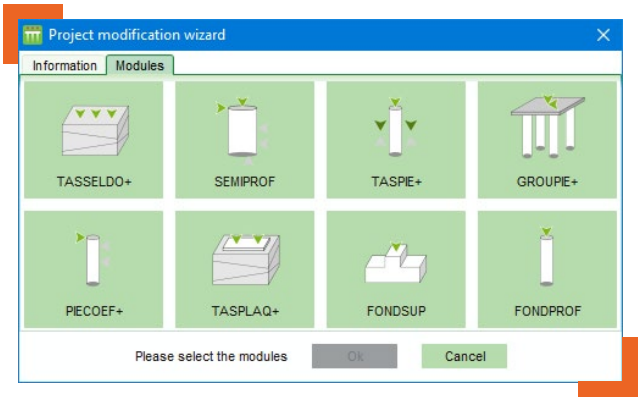
Foxta v4

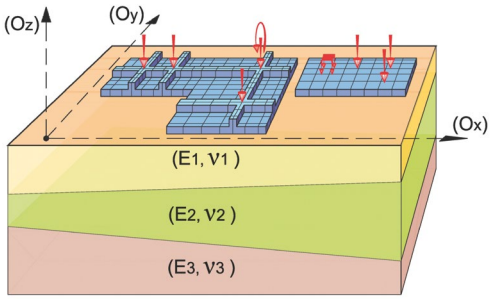
Foxta v4 is a software suite dedicated to foundations design - **shallow, semi-deep, deep and piled raft foundations**.
This software also enables to deal with **rigid inclusions, pile groups**, etc.

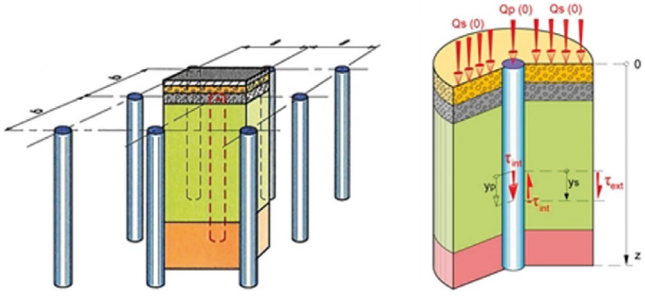
A suite composed of 8 interacting modules

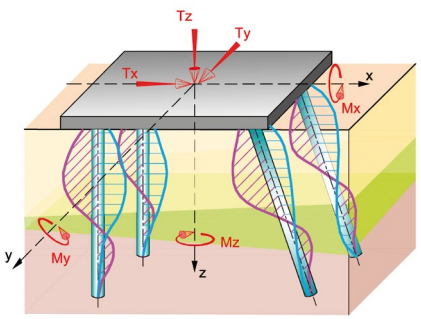
- **Fondsup and Fondprof: bearing capacity and settlement of shallow foundations** (using PMT, CPT or c-phi results) **and piles** (using PMT or CPT results), according to french application standards of Eurocode 7: NF P 94-261 for shallow foundations and NF P 94-262 for deep foundations.
- **Taspie+:** calculation of a **single pile** or **group of piles under axial loading**, and of **stiff inclusions** (t-z model), below pavements or embankments, according to **ASIRI recommendations**.
- **Piecoef+: single pile or pile group subjected to lateral loading** with or without taking into account 2nd order effects (generalized p-y model), with elastoplastic soil behaviour, g(z) curves option and calculation of the shear forces.
- **Groupie+: 3D calculation of a group of piles and beams** topped with a rigid footing (displacement and internal stresses).



- **Semiprof: design of semi-deep foundations** under combined loadings.
- **Tasseldo+:** 3D calculation of **elastic and oedometric settlement** for a group of shallow foundations subjected to various distributions of vertical loads.
- **Tasplaq+: 3D calculation of plates** (rafts and pavements) of any shape, resting on an elastic multilayer soil column, under complex loading systems (settlements, reactions and solicitations).





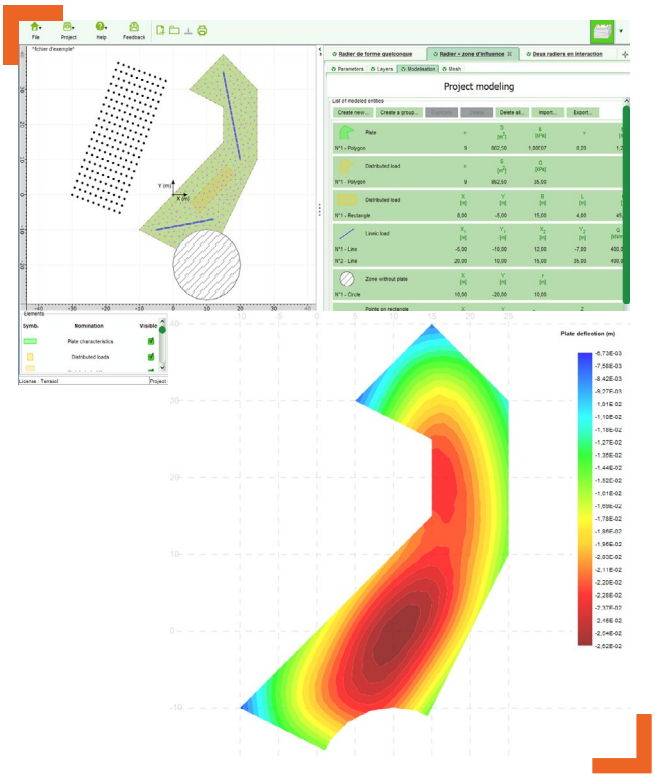


Foxta v4

FOUNDATIONS DESIGN

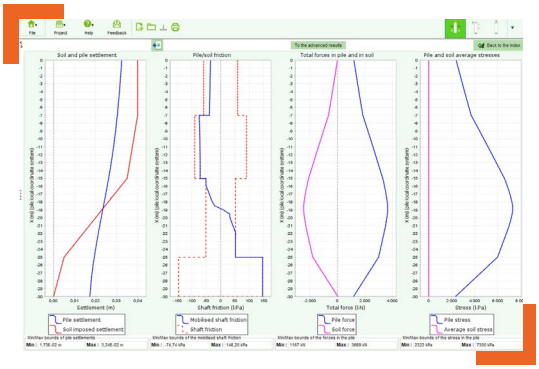
A user-friendly software

- An **intuitive interface** and easy navigation between modules.
- Generalization of **calculation variants on all modules**.
- **Numerous wizards** for the input and import of data, as well as for exporting the results.
- **Graphical display** of input data and output results (in 2D or 3D).
- **Customizable printings.**



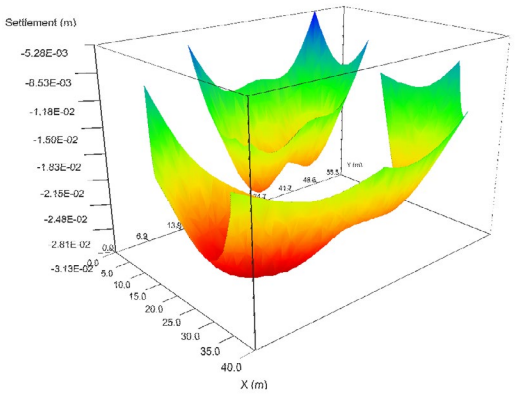
Main results available

- Formatted synthesis of input data and results.
- Tables (which can be exported to Microsoft Excel® for instance).
- Curves.
- For Tasplaq and Tasseldo: cross-section curves, scatter plots and 3D display.



3 different versions

- **Full:** 8 modules.
- **Lt:** 5 modules for simple applications (Fondsup, Fondprof, Tasseldo, Tasplaq+ and Taspie+).
- **Piles:** 5 modules for the design of deep foundations projects (Fondprof, Taspie+, Piecoef+, Semiprof and Groupie+).



MINIMUM HARDWARE REQUIREMENTS

Compatible computer with:

- Intel® Core Duo CPU
- 4 Gb RAM
- At least 1366x768 resolution
- USB port
- 500 Mb free hard-disk space
- Windows® 8.1 SP1/10, 32 or 64 bits

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