terrasol

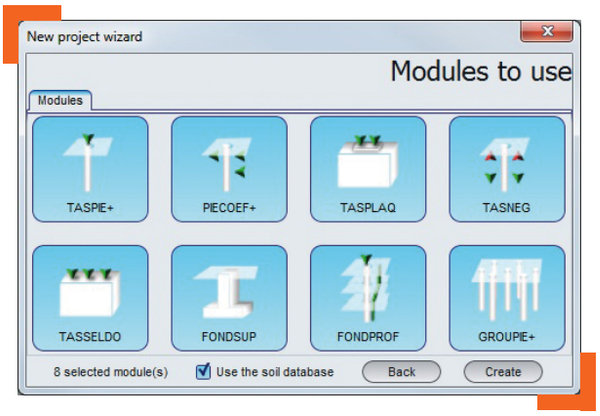
setec

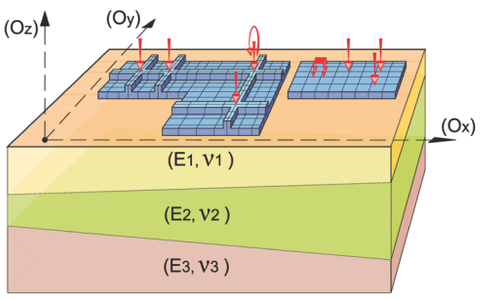
Foxta v3

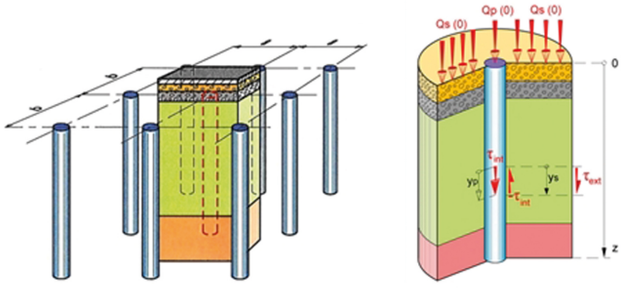
Foxta v3 is a software suite dedicated to foundations design **(shallow, deep and piled-raft foundations).** This software also enables to deal with **rigid inclusions, pile groups,** etc.

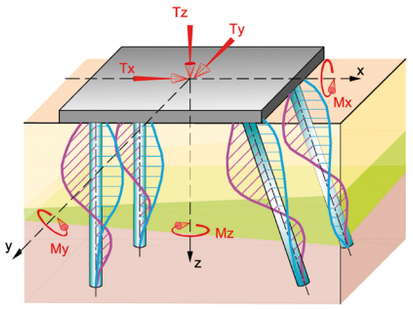
A suite composed of 8 interacting modules:

- **Fondsup and Fondprof: bearing capacity and settlement of shallow foundations and piles** (using pressumeter and static penetrometer tests results), according to french application standards of Eurocode 7: NF P 94-261 for shallow foundations and NF P 94-262 for deep foundations.
- **Tasseldo: elastic and oedometric settlement** of groups of shallow foundations subjected to various distributions of vertical loads.
- **Tasplaq: 3D (or 2D) calculation of settlements and stresses for rafts and pavements** of any shape, subjected to complex loading systems.
- **Taspie+:** calculation of **piles under axial loading**, and of **stiff inclusions** (below pavements or embankments) according to **ASIRI recommendations.**
- **Piecoef+: single pile or pile group subjected to lateral loading** (p-y model), with elastoplastic soil behaviour, g(z) curves option, and calculation of shear forces and 2nd order deformations.
  This module allows for **calculations of monolith type** required for stiff inclusions projects.
- **Groupie+: pile group topped with a rigid footing** and subjected to full loading torques. Calculation may either be controlled manually (using **equivalent stiffness matrices**) or be handled **automatically** (calculation of the global equilibrium taking into account the piles and the multi-layered soil, as well as their interactions).
- **Tasneg:** evaluation of **negative skin friction** along a single pile or for a pile group according to Combarieu's model.







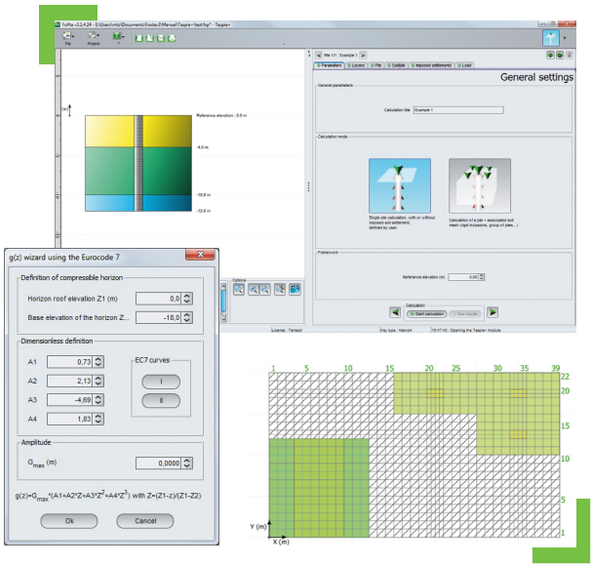


Foxta v3

FOUNDATIONS DESIGN

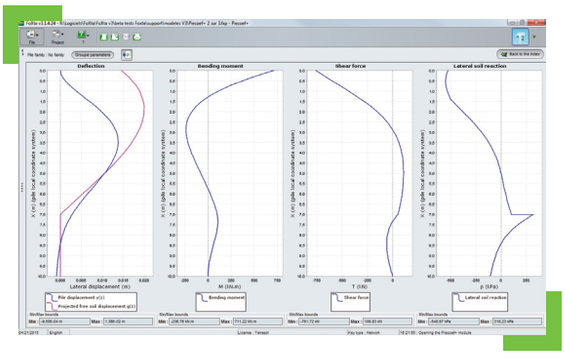
A user-friendly software

- A **fully new user-interface** with respect to Foxta v2, with a very intuitive use.
- **Easy browsing** through the modules.
- **Numerous wizards** for data input and importation, as well as for results exportation.
- **Graphical display** of input data and output results (in 2D or 3D).
- **Customizable printings.**



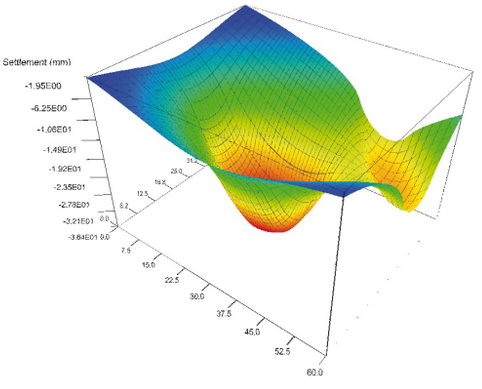
Main results available

- Formatted output files.
- Tables (which can be exported to Microsoft Excel® for instance).
- Curves.
- For Tasplaq: 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+, Tasneg and Groupie+).



MINIMUM HARDWARE REQUIREMENTS

PC-compatible computer with:

- processor compatible Intel® Core Duo
- 2 Gb RAM
- resolution 1280x720 minimum
- USB port
- 500 Mb free hard-disk space
- Windows® 7/8, 32- or 64-bit

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