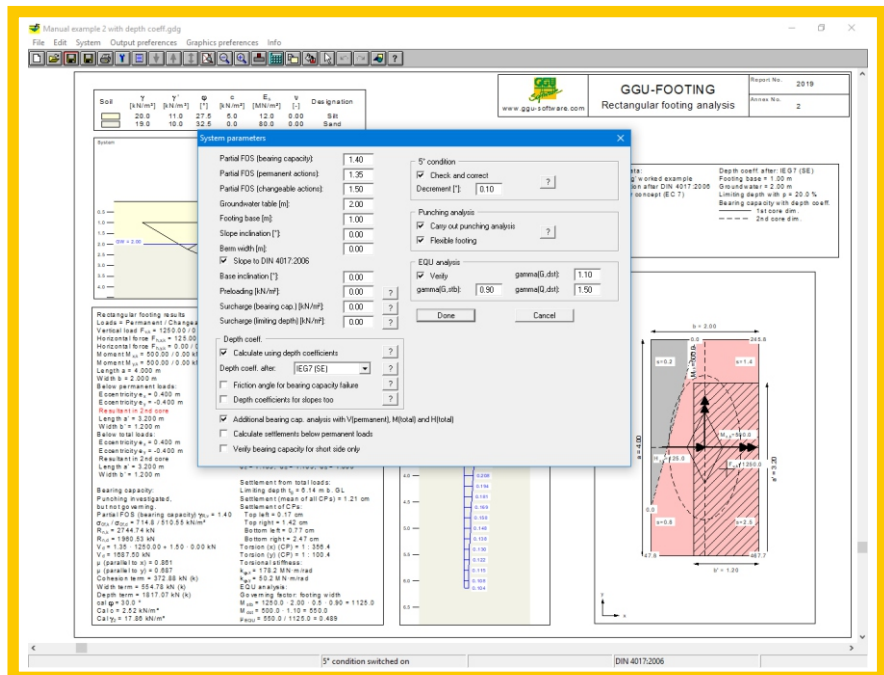
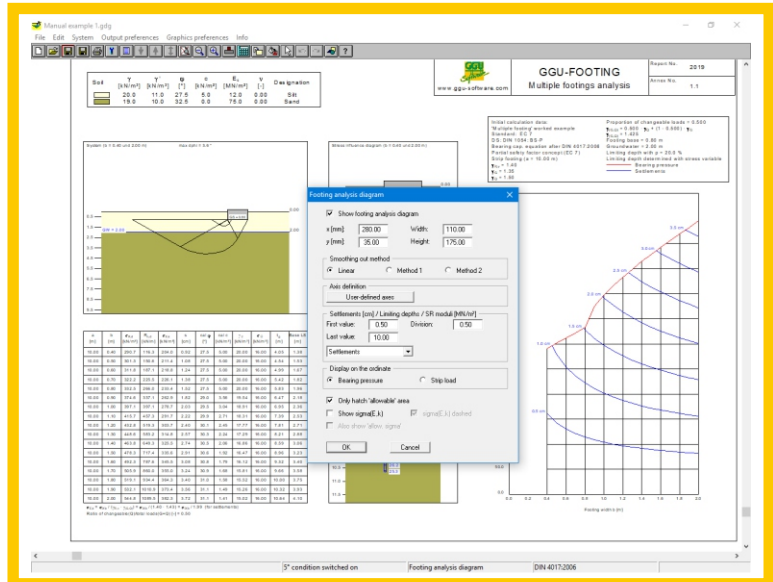


Description

GGU-FOOTING – Analysis of bearing capacity according to DIN 4017 and of settlement according to DIN 4019.

Capabilities:

- Choice of analysis using either partial safety factors to DIN 1054:2010 or EC 7 or global safety factors (DIN 1054 old)
- Bearing capacity equations to DIN 4017 (2006/old), Terzaghi, Meyerhoff, Hansen or Vesic can be selected
- Analysis of multiple footings of a single type (variation of footing width)
- Analysis of single rectangular footings or single circular/annular footings
- System input and visualisation using absolute heights
- Soil properties can be selected from an expandable database of common soils
- Consideration of multiple horizons and determination of mean governing soil properties using a logarithmic spiral
- Tests the "5° condition", and corrects through iterative reduction of shear friction angles that are above the current mean
- Punching analysis for flexible and rigid footings (DIN 4017)
- Determination of torsional stiffnesses
- Settlement analysis at the characteristic point (DIN 4019)
- Sliding safety analysis adopting user-defined angles possible
- Consideration of berms and slope inclinations
- Consideration of footing base inclinations
- Consideration of pre-loading for settlement analysis
- Consideration of kappa correction coefficients (DIN 4019)
- Creation of a footing analysis diagram with (acceptable) bearing pressure or allowable soil pressure and a set of curves with the resulting settlements as well as modulus of subgrade reaction contours
- Footing plan view (pad footing) with forces, kernel widths, settlements etc.
- Presentation of analysis results as tables
- Footing export to the GGU-STABILITY program (slope stability analyses)
- Presentation of system geometry
- Presentation of stress distribution
- Presentation of soil properties, general information on your analysis data, adopted



standard, program name and version displayed in legends

- Freely definable positioning and sizing of graphical elements and legends
- Print or copy screen sections, e.g. for transfer to a word processor
- Integrated Mini-CAD system for additional annotation of graphics

