Settle is the world’s leading software for three dimensional soil settlement analysis. Used by top geotechnical engineers for civil projects around the world, Settle is a 3-dimensional program for the analysis of vertical consolidation and settlement under foundations, embankments, and surface loads. The program combines the simplicity of one-dimensional analysis with the power and visualization capabilities of more sophisticated three-dimensional programs.

**What’s New in Settle**
Settle introduces a variety of new features to make your analyses simpler and quicker than ever before, including:

- The ability to model ground improvement
- Advances to the CPT analysis tool and soil profiling
- New staged material properties
- Enhanced results interpretation options

Additionally, the following features have been added:

**Non-horizontal ground surface**
- Users can now define a non-horizontal ground surface using boreholes. By defining a top elevation for each borehole, a ground surface is interpolated.

**Horizontal loading**
- Horizontal loads (i.e. wind turbine loads) can now be entered in Settle. Both horizontal and vertical loads can be defined for the Boussinesq and Westergaard stress computation methods.
- In addition to the ability to model horizontal loading, a number of new results are now calculated in Settle, including Loading and Effective Stresses in X and Y directions, among others.

**Updated Liquefaction Analysis Module**
The following additions have been made to the liquefaction analysis capabilities of Settle:

- Post-triggering analyses for CPT and VST
- Pre-defined Triggering calculation methods for SPT, including: Youd et al. (2001); Idriss and Boulanger (2008); Cetin et al. – Deterministic (2004); Cetin et al. – Probabilistic (2004)
- Incorporation of ground profile in LDI calculations

Find more details: rocscience.com/software/settle

**Plans & Pricing**

**Personal License:** Locked to one computer.
- Lease: USD $995/year
  Leased annually. Includes Maintenance+.
- Perpetual: USD $1,895
  Purchased outright. Includes 12 months of Maintenance+.

**Flexible License:** Installed on any number of machines. The license file sits on the server.
- Lease: USD $1,295/year
  Leased annually. Includes Maintenance+.
- Perpetual: USD $2,495
  Purchased outright. Includes 12 months of Maintenance+.

**Maintenance+**
Maintenance+ is our enhanced maintenance and support services subscription, purchased annually at 20% of the license cost.

With Maintenance+ Continuous Software you get access to all feature releases, enhancements, and bug fixes throughout the year and as soon as they’re available. You also have access to convenient License Services, the support of our experts, and exclusive learning offerings.

Contact us at software@rocscience.com
Settle Technical Specifications

**Analysis**
- Non-horizontal soil layers
- Multiple boreholes
- Horizontal soil layers
- Multiple layers/soil types
- Multiple loads
- Multi-stage analysis
- Time-dependent consolidation based on Terzaghi theory
- Immediate, primary and secondary consolidation (creep)
- Hydro-consolidation

**Compute**
- Field point grid
- Line query
- Point query
- Back analysis using preload or time
- Point query

**Contour Data**
- Settlement
- Secondary consolidation
- Stress
- Pore pressure and excess pore pressure
- Modulus of subgrade reaction
- Virgin and recompression consolidation settlements
- Horizontal stresses

**CPT Data Interpretation**
- CPT analysis based on qc, fs, and u2
- Determine soil profile
- Over 25 parameters calculated
- Five SBT options

**Empirical Methods**
- Burland and Burbidge
- Schmertmann
- Peck, Hanson, Thornburn
- Schultze and Sherif
- D’Appolonia

**Export**
- One click export to Excel
- Copy to clipboard
- Export image files
- Info Viewer
- Drawing, annotation, and dimensioning toolkit
- Customize/save view options

**Groundwater**
- Define multiple water grids
- Define multiple piezo lines
- Staged water table elevation
- Horizontal drainage
- Wick drain regions

**Liquefaction**
- Post-triggering LDI and settlement
- Pre-defined SPT calculation methods
- Ground profile for LDI
- SPT, CPT, VST data
- Multiple analysis methods
- Comprehensive results

**Loading**
- Different shape load
- Staged loading, pre-load
- Embankment
- Excavation
- Uniform or variable
- Flexible or rigid
- Staged loading
- Horizontal loading

**Material Types**
- Linear elastic
- Non-linear
- Janbu
- Koppejan
- Collapsible soil
- Variable with depth
- Database of typical properties

**Modeling**
- Interactive editing
- Right-click shortcuts
- Easily define arcs and circles
- Import/export .dxf files
- Grid/vertex/object snapping
- Interactive sidebar
- Depth control
- Undo/redo
- Metric or imperial units
- Data tips

**Non-Horizontal Ground Surface**
- Define using boreholes and CPT points
- 3D surface contour
- Define soil profile by depth or elevation

**Stress Computation Method**
- Westergaard
- Vertical ratio (2:1, angle)
- Multiple Layer
- Boussinesq

**Visualization**
- Plan view/3D view
- Plot contours on horizontal, vertical or user-defined planes
- Plot results on vertical or horizontal lines
- Plot multiple stages, times or locations on one graph
- Animate/rotate 3D view
- Isosurfaces