

# UniSettle 4.0 Release History

## **v.4.0.0.57 (Jun 24, 2019)**

- Fix input forms freezing caused by C1.Win Components previous update

## **v.4.0.0.56 (May 17, 2019)**

- Update activation code algorithm to handle foreign cultures

## **v.4.0.0.55 (January 29, 2017)**

- Correct SI/US conversion and importing for culture using comma as a decimal separator

## **v.4.0.0.53 (November 22, 2016)**

- Improve connection to dataset

## **v.4.0.0.52 (September 26, 2016)**

- Adjust network activation for Dropbox, OneDrive, and Google Drives

## **v.4.0.0.51 (July 23, 2016)**

- Improve activation procedure when using Map drive letter

## **v.4.0.0.50 (June 23, 2016)**

- Improve activation procedure for network license

## **v.4.0.0.46 (March 1, 2016)**

- Validate length of "Name" field to 50 characters

## **v.4.0.0.45 (October 7, 2015)**

- Update Setup for Windows 10 install
- Add Project Name to all graphs
- Correct Project Name entry when printing data and results

## **v.4.0.0.44 (April 12, 2015)**

- Improve precision of 2:1 stress distribution under narrow elongated footings

#### **v.4.0.0.43 (February 11, 2015)**

- Add Network Users Management

#### **v.4.0.0.42 (December 3, 2014)**

- Update grid control for compatibility with Chinese Windows 7/8 interface

#### **v.4.0.0.41 (November 2, 2014)**

- Revise "Check for Latest Release" to visit html rather than pdf

#### **v.4.0.0.40 (October 5, 2014)**

- Update "Check for Latest Release..." feature

#### **v.4.0.0.39 (March 19, 2014)**

- Add time related settlement scale selection (days, months, or years)
- Improve time scale in calculation of time related settlement
- Increase time period precision to 2 decimals (i.e. 0.01)

#### **v.4.0.0.38 (March 3, 2014)**

- Correct calculations of submerged excavations when negative GWT (i.e. lake condition)
- Correct crash when importing UniPile data
- Update toolbar for 125% fonts

#### **v.4.0.0.37 (November 21, 2013)**

- Update for setup on Windows R8.1
- Add online registration

#### **v.4.0.0.36 (October 7, 2013)**

- Correct validation of recompression modulus at bottom of layer
- Check vertical drain  $D/d > 2.117$  limit

#### **v.4.0.0.35 (June 28, 2013)**

- Correct effective stresses for loads with a negative depth
- Add importing of UniPile 5.0 XMLU data
- Correct Add/Delete Additional (X,Y) mesh points
- Correct system error while importing XMLU data

#### **v.4.0.0.34 (February 10, 2013)**

- Allow up to 200 additional individual mesh points in list
- Improve validation of settlement parameters

#### **v.4.0.0.33 (January 22, 2013)**

- Correct calculation of stresses from full and half embankment

#### **v.4.0.0.32 (January 3, 2013)**

- Correct preconsolidation at layer boundary

#### **v.4.0.0.31 (January 2, 2013)**

- Correct interpolation of soil parameters within layers

#### **v.4.0.0.30 (December 17, 2012)**

- Correct pre-consolidation and overconsolidation for multiple loading/unloading
- Revise Time scale in Settlement vs Time
- Fix X-Scale for layer compression graph
- Correct division by 0 when calculating settlement
- Tweak effect of loads inside excavations

#### **v.4.0.0.26 (October 3, 2012)**

- Correct crash when exceeding too many soil layers and other components

#### **v.4.0.0.25 (September 14, 2012)**

- Revise units for Coefficient of Consolidation to use  $m^2/year$  and  $ft^2/year$
- Revise automatic TOP/BOT values soil input
- Correct Copy and Paste of disabled load and excavation
- Correct importing of non-hydrostatic pore pressure from UniSettle 3.0 files

#### **v.4.0.0.24 (June 11, 2012)**

- Correct load integration steps (dL, dX, dY) input

#### **v.4.0.0.23 (June 7, 2012)**

- Update exporting and importing of XMLU files
- Correct numerical format for various culture
- Remove gravity constant from user preferences
- Add warning when void ratio ( $e_0$ ) = 0
- Correct bug when setting (X,Y) Mesh
- Correct occasional crash when viewing chart
- Revise limited input in EDUCATIONAL Version

#### **v.4.0.0.22 (February 28, 2012)**

- Release Educational Version

#### **v.4.0.0.21 (January 28, 2012)**

- Update Unisettle4.chm to v.401
- Update user manual to v.404
- Correct access to Unisettle4.chm for network setup
- Improve activation for network setup

#### **v.4.0.0.20 (December 6, 2011)**

- Add printer setup feature for Windows Vista and Windows 7

#### **v.4.0.0.19 (December 2, 2011)**

- Correct problem with page setup margin
- Update Examples Manual

#### **v.4.0.0.18 (November 23, 2011)**

- Revise calculation of  $U_{avg}$  to disregard negative compression caused by unloading.

#### **v.4.0.0.17 (November 11, 2011)**

- Add preconsolidation effect to immediate compression

#### **v.4.0.0.16 (October 4, 2011)**

- UniSettle 4.0 Official Release