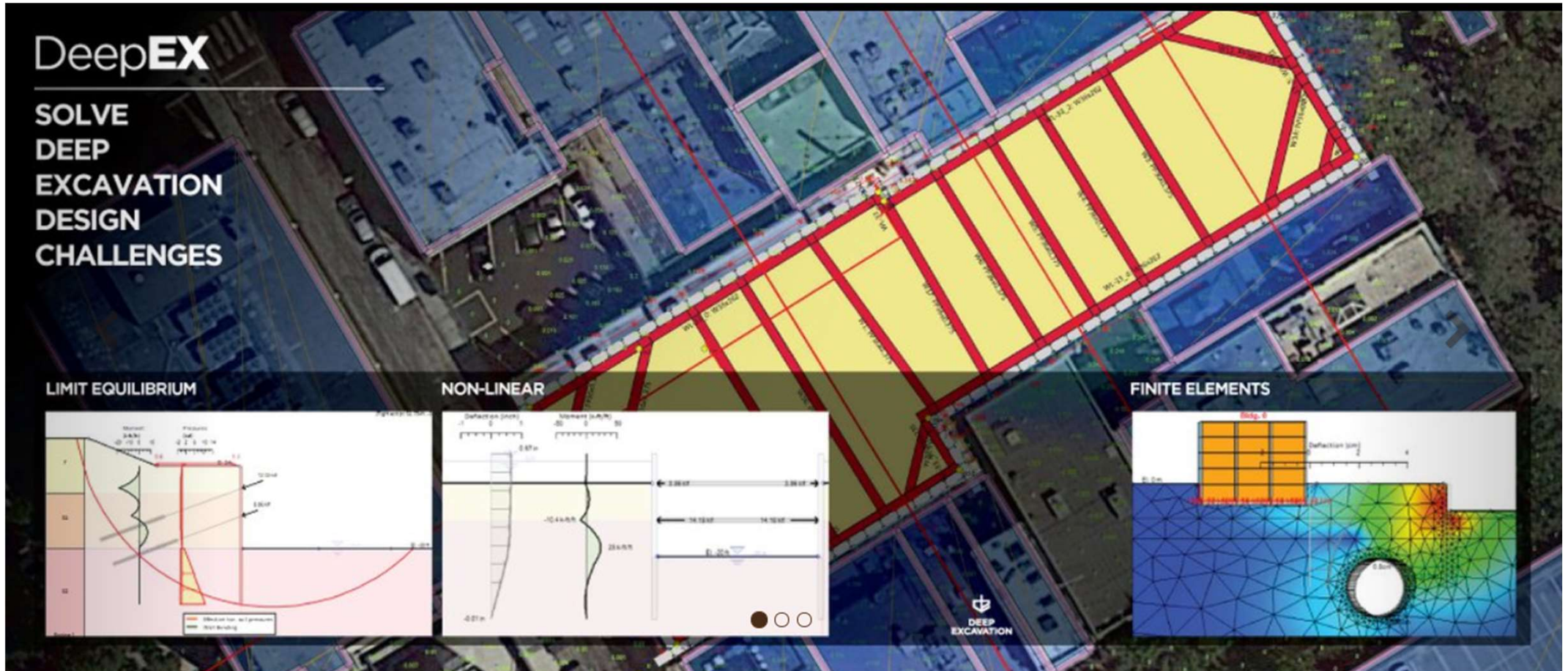
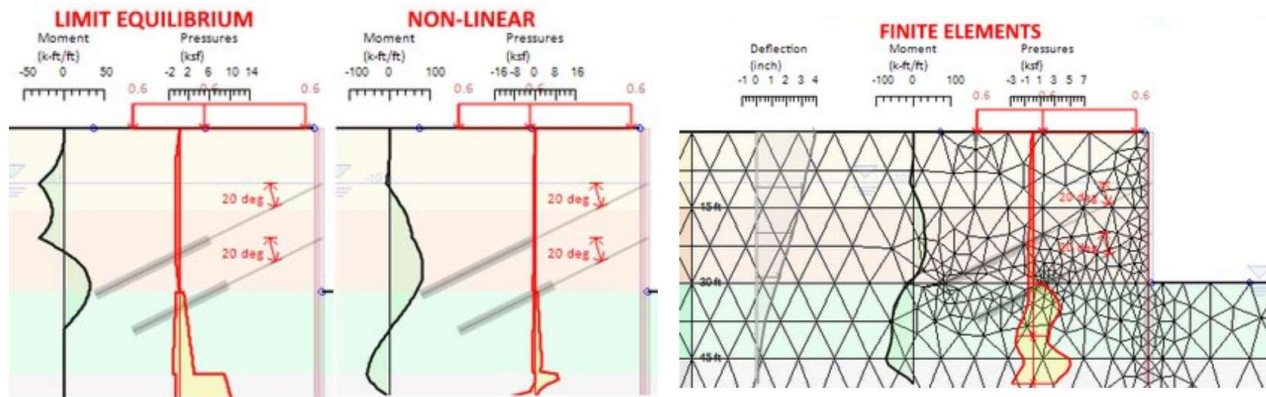


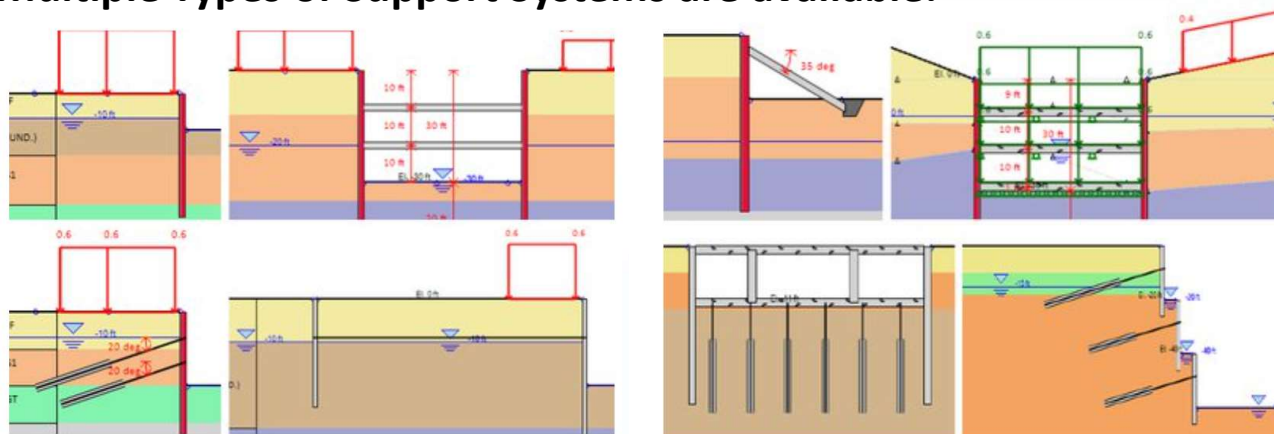
Specialised Deep Excavation Analysis and Design Solution



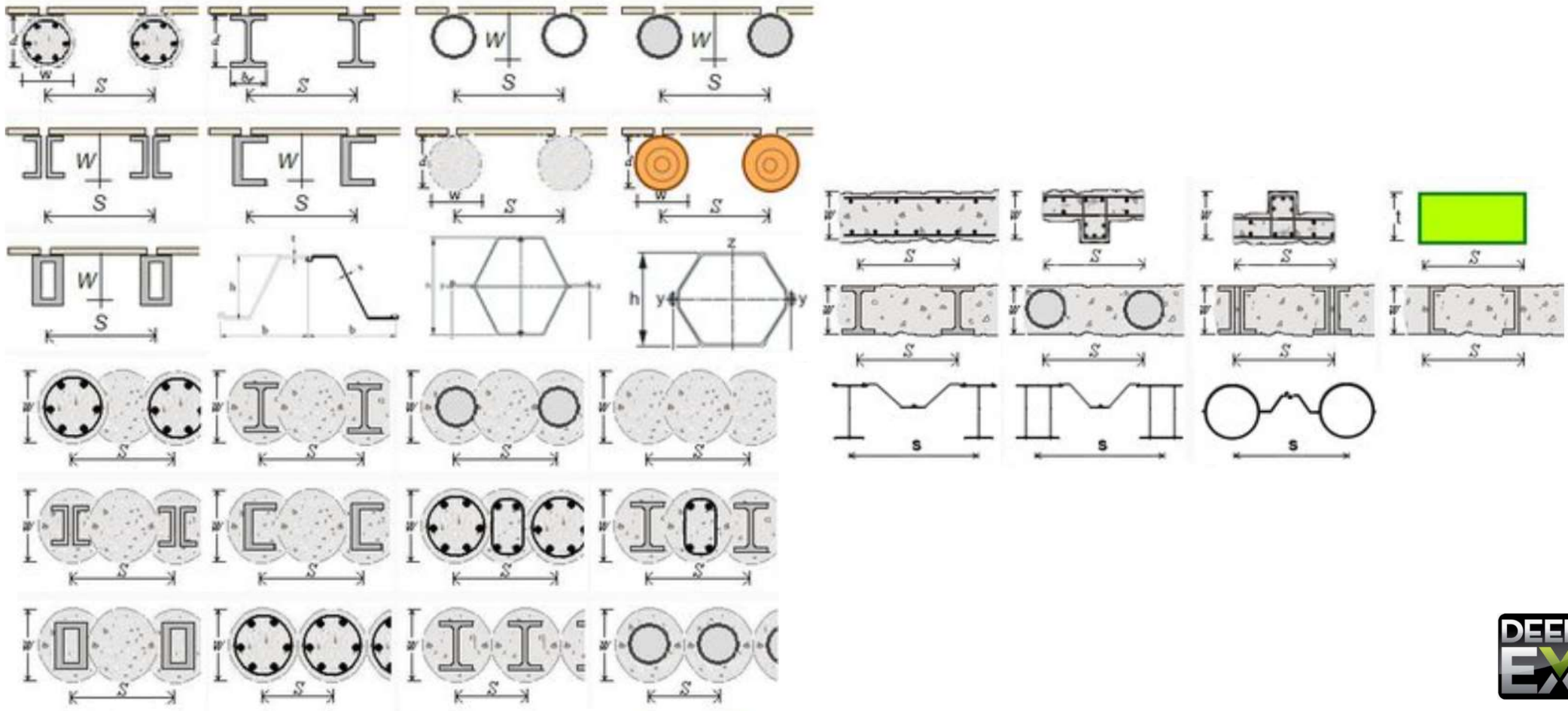
DeepEX Covers Multiple Analysis Method, LEM | NL | FEM:



Multiple Types of Support Systems are available:



Multiple Wall Types are available for your retaining wall design:



DeepEX implements **international structural design codes and geotechnical standards load combinations.**

- ACI 318-11 and 2019
- ASD 1989 & AASHTO LRFD 13th Edition
- AISC 360 and 360-Allowable (2010 and 2016)
- EUROCODES 2, 3, 7 and 8
- AASHTO LRFD 8th Load Combinations
- AASHTO-17 GSBTW 2 Load Combinations
- CALTRANS LRFD 2012 Load Combinations
- PEN DOT AASHTO 2012 Load Combinations
- European Codes (DIN, BS, XP94, DM, DA)
- BS 6349 Parts 1-2 (Marine Structures-Quay Walls)
- Australian Standards (AS 3600, AS/NZS 4100)
- Chinese Standards (CN)



The screenshot shows a software window titled "Kip Passive Method" with two radio buttons: "Do Not Use A Code" (unselected) and "Analyze only one Code Case" (selected). Below this, there are dropdown menus for "Design Code" (set to "AASHTO LRFD (2012)") and "Load Case" (set to "Service I"). A "Service I" dropdown menu is open, showing options: "Strength Ia", "Strength Ib", "Strength II", and "Extreme I". There are "Apply to all walls", "OK", and "Cancel" buttons.

To the right of the window is a list of checkboxes for various design codes, including:

- Generate all Eurocode Cases (EUR07)
- Generate all DM08 Cases (Italia)
- Generate all Eurocode DA1 cases (British Standards)
- Generate all DIN-1054 cases (2005 Germany)
- Generate all XP94 cases (France - Soil nail walls)
- General all EC7 cases (Greece)
- Generate all AASHTO LRFD 5th load combinations (USA)
- PEN DOT AASHTO (2012)
- CALTRANS LRFD 2012 (Amend. V6)
- CALTRANS LRFD 2012 (v6) - M-V-R Amplified
- Chinese load combinations - Level 1 (FS= 1.375)
- Chinese load combinations - Level 2 (FS= 1.25)
- Chinese load combinations - Level 3 (FS= 1.08)

Below the window is a table of code options:

Timber Code Options	
1:ACI 318-11	22:AISC 360-16 ALL
1:ACI 318-11	1:ASD 1989
2:EC2-2004	2:EC3 2005-CEN
3:EC2-German Annex	3:LRFD 13th Edition 2005
4:EC2-Cyprus Annex	4:NTC 2008
5:EC2-French Annex	5:EC3 2005-Bulgaria
6:EC2-Austrian Annex	6:EC3 2005-Slovenia
7:EC2-Italian Annex	7:EC3 2005-UK
8:EC2-Netherlands Annex	8:EC3 2005-Norway
9:EC2-Czech Annex	9:EC3 2005-Sweden
10:EC2-Belgium Annex	10:EC3 2005-Finland
11:EC2-Slovakian Annex	11:EC3 2005-Denmark
12:EC2-Danish Annex	12:EC3 2005-Portugal
13:EC2-Finish Annex	13:EC3 2005-Germany DIN
14:EC2-Swedish Annex	14:EC3 2005-Singapore
15:EC8-Greek Annex	15:EC3 2005-Greece
16:EC8-Italian Annex	16:ANSI/AISC 360-10
17:EC8-Austrian Annex	17:AISC 360-10 ALL
18:EC8-Bulgarian Annex	18:BS 5950-1:2000
19:EC8-Cyprus Annex	19:AS/NZS 4100
20:EC8-Slovenian Annex	20:CN (China)
21:EC8-French Annex	21:ANSI/AISC 360-16
22:EC2-Greek Annex	22:AISC 360-16 ALL
23:EC2-2004	
24:AS 3600-2009	
25:CN (China)	

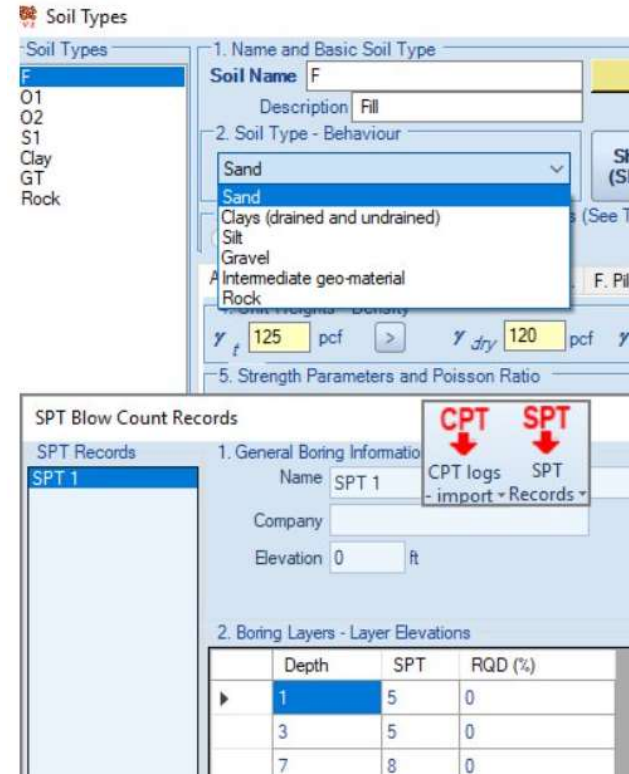
Build up your Soil Database:

In DeepEX we can create an unlimited **list of soils** and **define all soil properties** manually, or with the use of the DeepEX Estimation Tools based on SPT records and soil test results.

The user can **define different Stratigraphies (Borings)** and analyze all project locations in the same software file. The **Custom Layers mode** of the program allows the user to generate inclined stratigraphies.

Soil Estimation Reporting and Statistical Analysis

This additional module can be used to estimate soil properties from SPT records with different methods and perform a statistical analysis of estimated soil parameters. This module enables the users to **select the desired design values with a high level of certainty**.

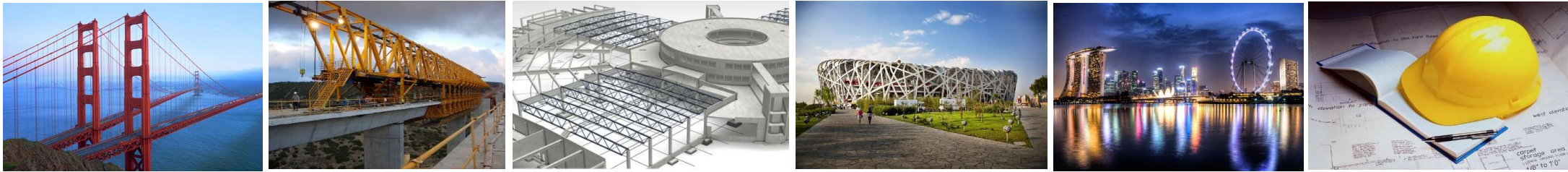


The screenshot displays two windows from the DeepEX software. The top window, titled 'Soil Types', shows a list of soil types on the left (F, O1, O2, S1, Clay, GT, Rock) and a detailed form on the right. The form includes fields for 'Soil Name' (F), 'Description' (Fill), and 'Soil Type - Behaviour' (Sand). Below this, there are input fields for γ_t (125 pcf) and γ_{dry} (120 pcf). The bottom window, titled 'SPT Blow Count Records', shows a list of SPT records (SPT 1) and a form for 'General Boring Information' (Name: SPT 1, Elevation: 0 ft). Below the form is a table for 'Boring Layers - Layer Elevations'.

	Depth	SPT	RQD (%)
▶	1	5	0
	3	5	0
	7	8	0

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www.geostruktur.biz

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