RTwalls & RTwalls EXPERT – retaining walls incl. wall design

- Geotechnical verification according to DIN incl. EAU & EAB as well as EN 1997 and corresponding NAs for DE & AT
- Processing of sheet & soldier piling, bored pile or diaphragm walls as cantilever, single-span and multi-span girders or combined wall system
- Wall design according to EN 1992, 1993 & 1995 with NAs for DE & AT
- Concrete design for reinforcing steel or glass fibre reinforcement
- Efficient fast input per wall type with templates for parameter models
- Clear working environment with fully graphic-oriented input and optimum control of all changes
- Consistent result output with free configuration of results and graphics as well as result overviews per construction stage
Powerful ground engineering system with modern surface environment
Sophisticated approaches for earth pressure and earth resistance

- "classic" earth pressure according to DIN 4085
- earth pressure according Culmann

Different types of earth pressure relocations as well as user defined relocations
Consistent processing of construction and reconstruction stages

Consideration of different excavation phases and reconstruction conditions
Economical design by load case combination for each limit state

- Load combination
- Combination all stages
- Combinationen stage C
- Differentiation of permanent loads, guiding and accompanying effects
- Tabular view LC Combination
Optimal processing of anchors / selection of the anchorage system

Easy processing of anchor properties

Tabular input of anchors

The anchor types can be designed as strand anchors, single rod anchors or Ischebeck TITAN anchors
Integrated design of retaining wall

Various wall types can be used

Direct selection of type of retaining wall

Simple selection of verifications

Dialog for editing the bracing as single / multi-field girder
Grafically interactive display of results

- Direct selection of result diagrams
- Envelope of deformations
- Overview of design results
- Graphical output of results
- Numerical output of results
Verifiable result list with graphics

- Output of stress resultants for design
- Overview graphic with all relevant information
- Clearly arranged proofs for retaining walls
- Result document with graphics and numerical data
## Modular product concept with various application scenarios

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<th>Module / Product packages</th>
<th>RTwalls START package</th>
<th>RTwalls EXPERT package</th>
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<th>RTwalls soldier pile wall</th>
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### Advantages:
- High-quality application packages (X)
- Simple entry options (X)
- Option to add LF combination (X)