

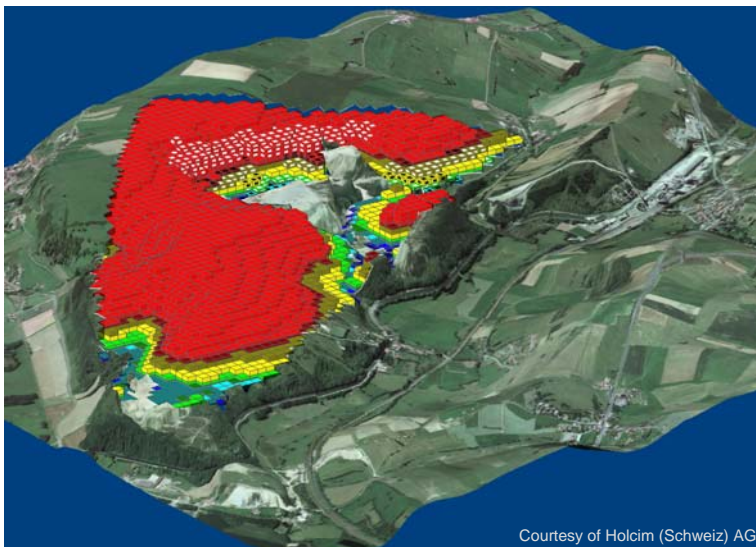
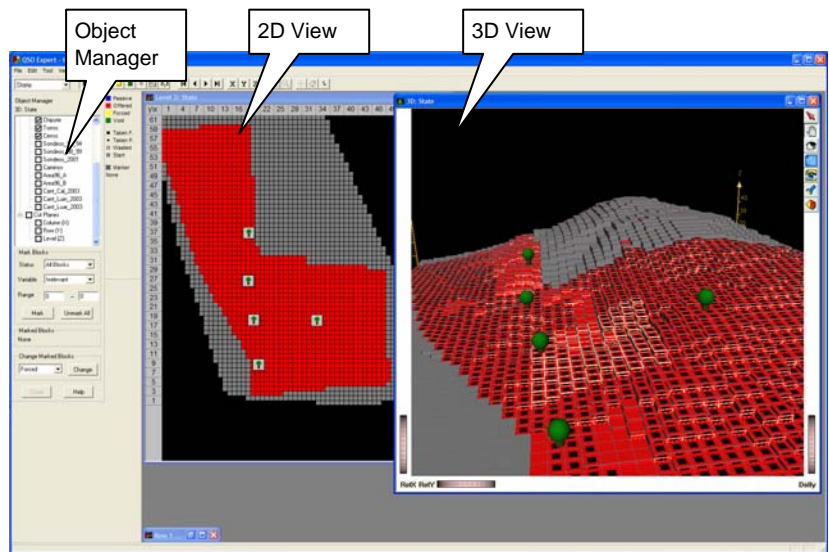
QSO Expert: Holcim software expanded by Colenco

QSO Expert is a graphic-oriented program developed by Holcim for quarry planning tasks. It has been applied by Holcim all around the world for more than 25 years. Colenco has enhanced the functionality and user friendliness of the software by integrating an interactive 3D graphical component, data importing capabilities and an object manager.

3D View

We augmented QSO Expert with the new 3D View which integrates all the functionality of the former 2D View and provides additional interactive capabilities:

- Rotating, moving and zooming into the model
- Scrolling through the quarry blocks by layer, row or column
- Cutting plane views
- Manually extracting individual blocks
- Making quarry blocks visible/invisible according to selected criteria
- Assigning properties like planning status, geometry, composition, weight etc. to quarry blocks
- Displaying block properties colour coded in 3D View or listing them for individual blocks in separate pop-up windows



Map Features

We have added data exchange tools to QSO Expert to enable the user to:

- Import DXF data such as Digital Terrain Models or vector graphics and to project them into block models (special feature: extracting a block automatically triggers the adaptation of the DTM to the top surface of the block model)
- Import bitmaps like maps or aerial photographs
- Turn map features on/off one by one

Object Manager

We developed an interactive object manager which is used to manipulate the objects visualised in 2D and 3D views, e.g. quarry blocks, drill holes, buildings, pathways, trees.