



## **MBS**® *2D /3D Stockpile Visualization*

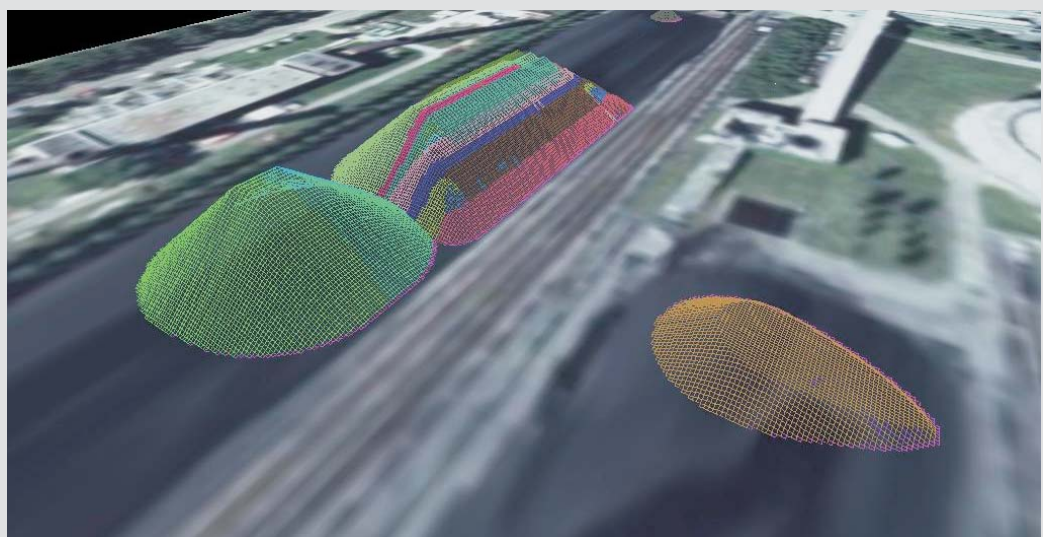
Coal is not simply coal. The new 3D module of the material stream management system MBS is an optimal tool for the visualization of coal stockpiles in terms of individual deliveries, quality parameters or costs.

### ***Total transparency:***

### ***The new MBS 3D stockpile visualization***

Power station downtimes because of fuel problems will be a thing of the past thanks to the MBS stockpile visualization module. With this application, it is possible to improve the quality composition of your coal stockpiles. The module also offers you more flexibility in purchasing coal.

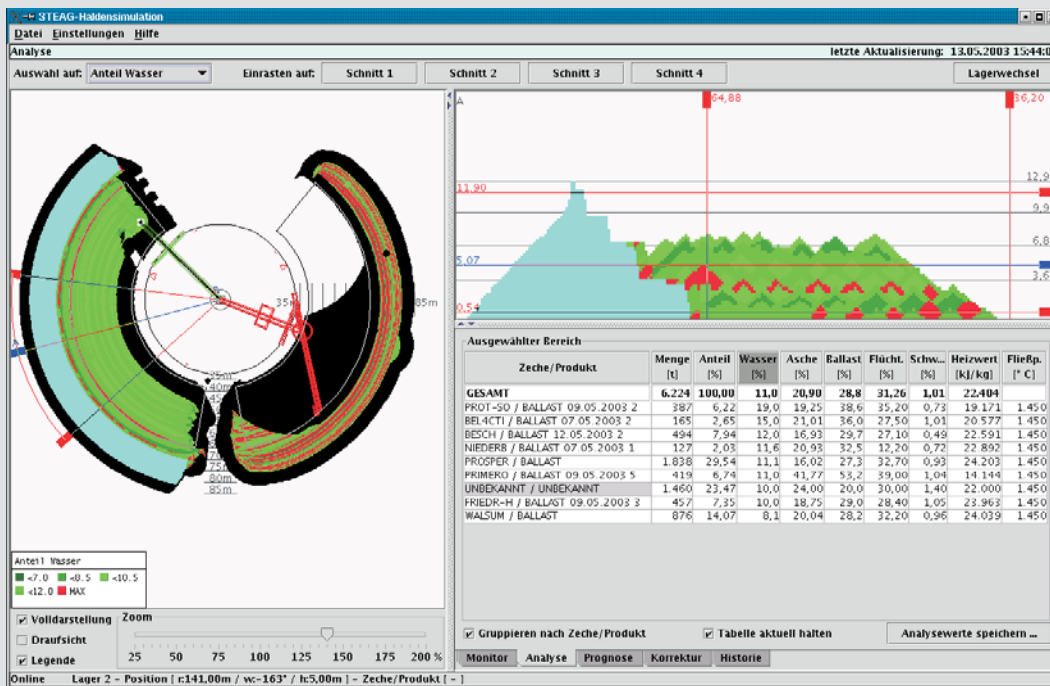
You can buy diverse qualities at low prices and mix the stocks to obtain the quality grades you need using MBS. The stockpiles may have any shape or structure and can be build and reclaimed by a variety of stacker/reclaimer equipment.



**MBS 3D visualization of different stockpiles**

MBS receives geographic coordinates directly from the equipment's control system. Combined with the material flow information of MBS, the visualization module creates an exact 2D or 3D model of the stockpile. The physical model allows the forecast of the coal quality which is going to be fed from a particular part of the stock-

pile to the bunker. This optimises the fuel supply and ensures a smooth operation in the power plant. The actual quality and composition of the stockpiles can be monitored very easily. For a given reclaiming method, it is possible to forecast the quality of the coal transferred into the bunker.



## MBS 2D visualization of a circular stockpile

The stockpile visualization module helps the user by providing an immediate answer to the following questions:

- Where do I need to place incoming deliveries in order to obtain an optimal mix?
- Which coal products/qualities/mixes will be placed in the bunker (fuel burn forecasting)?
- Where do I need to scrape coal in order to maintain a certain quality standard?
- Where is a particular coal delivery located?
- History: Where has the coal been added over the past 24 hours?
- Are there any "HotSpots" in my stockpile? Is there any critical concentration of a certain coal quality parameter that I need to be aware of?