

## Evaluation of stability of slopes

### Slopes in unconsolidated rocks

#### Dams, dumps, landfills, cuts

C&E · Consulting und  
Engineering GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52  
Tel.: +49 (0) 371 881 22 39 • Fax: +49 (0) 371 881 45 89  
E-mail: info@cue-chemnitz.de  
Internet: www.cue-chemnitz.de

**Objective:** Evaluation of Stability of Slopes

**Duration:** since 2000

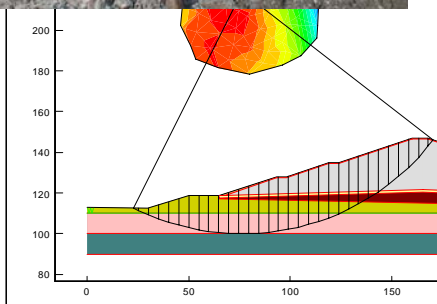
<b>Projects:</b>	Dams	Gottesberg, slopes system landfill waste ore pile Schkopau (MDSE), dam industrial tailings pond Gottesberg (GVV mbH), Sillamae (Estlonia), barrage (WISMUT GmbH)
	Landfill sealing	Lumpicht (Aue), Lipprandis, Dänkritz, Rodewisch, Falkenau (Hainichen), Alytus (Lithania)
	Dumps	Mining dumps WISMUT GmbH, Shaft dump Johannegeorgenstadt
	Cuts	Staat street S 289 north relocation of Werdau

- Analysis of the investigation exposures (boreholes)
- Analysis of the laboratory soil mechanical investigations and field and land measurements
- Determination of the evaluation parameters and basic conditions
- Development of the two-dimensional evaluation model (sections)
- Analysis of slopes stability
- Verification of the slide stability of surface sealing components



Landfill dump Schkopau  
Continued operation landfill section 4.5  
Client: MDSE GmbH  
Year: 2006

25.00	5.00	20.00	0.00	ZAD
27.50	2.50	17.00	0.00	Ablagerung
20.00	10.00	20.00	0.00	Basisdichtung
32.50	0.00	21.00	0.00	Bauschutt
22.50	10.00	17.00	0.00	Kalkhydrat, verfestigt
18.00	2.00	13.00	0.00	Kalkhydratschlamm
30.00	2.50	20.00	0.00	Untergrund



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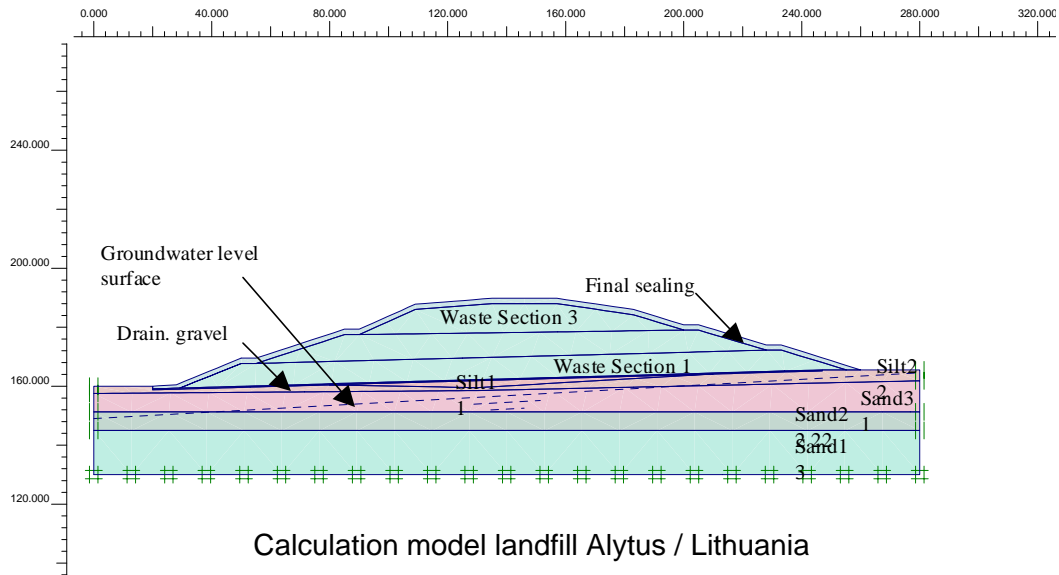
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Calculation model landfill Alytus / Lithuania



Dump assessment Schlema



Tailings ponds Helmsdorf and Trünzig



Reinforced soil construction central pit dump  
East slope Johangeorgenstadt

