GeoElec Basic Financial Model

for investors and banks to evaluate geothermal electricity projects and to estimate costs for geothermal power supplied electricity

Calculation in 5 steps









kWe needed Power (Pumps, cooling)

Country spezific hydrogeological faktors Plant operating hours

hritt 2/5 ant Capex O&M	Market Funding Exec Sum
Feasibility (Phase 1)	Capital Expenditure (Phase 2 and 3)
Prefeasibility	Well useful life
Exploration	
2D-/3D seismic	Power Generation useful life
Planning	Project Management
Consulting	Insurance/Interest during exploration (optional)
-	ary / enhanced geothermal system annvit, EnBW, University of Stuttgart) Weiter

Schritt 3/5







Sales

Production Electricity Heat

Remuneration Feed-in tariff for power production Sales Price for Heat Purchases

Demand Electricity for pumps Electricity for cooling

Stock prices EEG allocation costs Electricity taxes

Inflationary Rates



Weiter

Schritt	5/5
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- 1 Site identification / pre feasibility / surface exploration / Feasibility of drilling exploration / resource development / economic feasibility
- 2 Drilling and exploration
- 3 Plant construction
- 4 Operating

Zurück Schritt 4

