Laohutai windless gas power generation

PLAXIS 3D enabled CCTEG Chief Scientist Wang Yong, and his research team, to successfully compute the complex interplay of soil and rock at the Laohutai mine, in China.

We propose a differential melting of a two-component source in association with lithospheric thinning to account for the temporal variation of the Laohutai basalts.

In this regard, the authors systematically analyze the carbon emission characteristics of the gas power industry and compare it with that of coal power unit in the same scenario based on the ...

High-temperature, windless conditions lead to peak load and reduced wind output, intensifying supply-demand imbalance. To address operational stress in such conditions, an intelligent scenario ...

We investigated cooling efficiency and aerodynamic losses in turbine blade high-temperature components under cross-flow, revealing the formation mechanism and evolution ...

In this article, we describe the basics of electric power generation in more detail and focus on the different options for generating power from natural gas.

In this study, we deployed a new linear dense seismic array in the Laohutai coal mine, and detected 324 new microseismic events by applying the Match and Locate method.

It argues that expensive imported gas, costly turbine technology, and the lack of fully competitive electricity markets have been the main obstacles limiting the role of natural gas in China"s power sector.

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