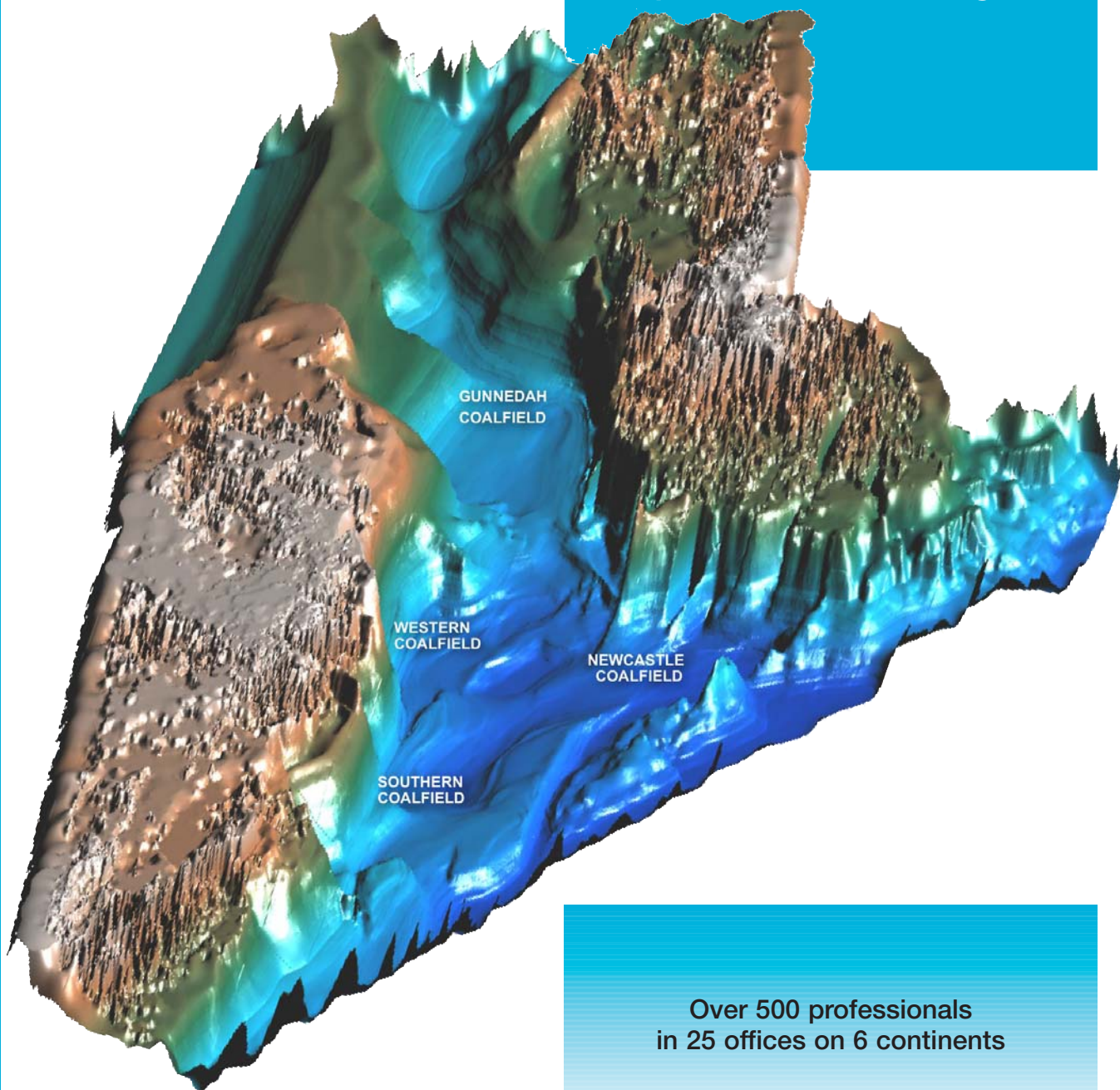


Sydney Basin Study

3D Basin Interpretation



SRK Consulting introduces its update to the Sydney Basin Structural Geological Synthesis Study. The study aims to provide exploration, mining and research organisations with a more integrated geological framework and analysis tool for managing ongoing geological-based risk work, leading to more efficient and effective exploration and mining.

Over 500 professionals
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The Sydney Basin Structural Geological Synthesis Study

comprises a regional structural framework, integrated with a variety of public domain and non-confidential data contributed by supporting companies and bodies, accompanied by a 4-D regional structural/basin model. The project area includes the Permian-Triassic Sydney and part of the Gunnedah Basins, located on the eastern seaboard of Australia, in New South Wales. The product has been developed by SRK Consulting in two stages within a Geographical Information Systems (GIS) based work platform. First launched in January 2004, the updated study was released in October 2005, to include refinements to the existing 4-D model and other related, interpretive data sets, as well as a more comprehensive information base that supported the development of the model.

Strengths

The collation and integration of a range of data sets relevant to geology-based risk studies has been recognised by supporting organisations as a core strength. The development of the GIS-based datasets now allows:

- an accelerated and broadened process of iterative data analysis
- the easier identification of potential risk issues in a regional context
- use of the information base as a data gap analysis tool in resource exploration and mine-based assessment studies.

Another important benefit is the development of a 4-D structural/basin model at a regional scale (1:500,000 to 1:100,000), which provides:

- a framework for ongoing detailed studies
- a mechanism for evaluating risk issues
- a structural framework for incorporation into existing coal geology/resource models or to build regional to district-scale coal/hydrocarbon resource models.

Data Sets

The Study includes both geological and potential field data, such as:

- regional to mine site structures and igneous bodies, geology maps, borehole data and limited stress and coal seam gas measurements
- magnetics, radiometrics, gravity, seismic, Landsat and ASTER data
- regional structural interpretation, interpreted basement geology, depth estimate to the base of the basin and modelled contours of selected Permian-Triassic geological contacts.

Licence Fees

A detailed licence fee pricing structure is obtainable upon request.

Sponsors

SRK Consulting acknowledges the financial support and the provision of data made available to the study from the following sponsors: Xstrata Coal, Anglo Coal Australia Pty Ltd, Excel Coal Pty Ltd, BHP Billiton, Rio Tinto, Centennial Coal Co Ltd, Whitehaven Coal Mining Ltd, Sydney Gas Ltd, CSIRO Division of Petroleum Resources.

SRK Consulting also acknowledges the technical support and/or the provision of data made available to the study from the following organisations: NSW Department of Primary Industry (DPI) - Mineral Resources, AMCI Australia Pty Ltd, Bloomfield Collieries Pty Ltd, Gallipoli Mining Pty Ltd, ENCOM Technology, Former Southland Coal Operations.

Google Earth 2005



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