Minerals and petroleum.
South Australia naturally rich with opportunity.
Olympic Dam is Australia’s largest underground mine and one of the world’s largest copper, gold and uranium mines.
**Vast resources create wealth of opportunities**

South Australia has a diverse and resilient resources sector headlined by significant deposits of copper, gold, iron ore, uranium, graphite and mineral sands.

We are home to one of the world’s biggest copper, gold and uranium mines, Olympic Dam, and one of Australia’s significant copper-gold mines at Prominent Hill. The state also produces iron ore, zinc, lead, silver, industrial minerals (including salt, silica sand and gypsum) and extractive materials (including dimension stone and opal).

South Australia covers an area of almost one million square kilometres – slightly larger than France and Germany combined.

Our vast natural resource assets are underpinned by a supportive, stable state government, a highly skilled workforce and a respected regulatory framework creating an environment for low-risk, sustainable investment.

In South Australia you will find:

- a quarter of the world’s uranium resources
- a third of Australia’s mined copper
- state government to build a 250MW gas-fired power plant, budgeted at A$360 million, announced March 2017 as part of state’s new energy plan
- new round of Plan for Accelerating Exploration (PACE) grants, worth A$24 million, announced March 2017 to incentivise more gas extraction in South Australia
- a long-term strategy to triple its copper production and export more than A$8 billion of copper a year within two decades
- Oil and gas production from the Cooper-Eromanga basin and a diversity of under-explored basins with potential for new discoveries
- Oil and gas production from the Cooper-Eromanga basin and a diversity of under-explored basins with potential for new discoveries
- a stable and progressive regulatory environment, including a multiple land use framework and nation-leading mining act
- an ongoing, best practice review of mining legislation
- extensive mining deposit databases, including the world leading Drill Core Reference Library and the South Australian Government’s world leading online geoscience information application, the South Australian Resources Information Gateway (SARIG), providing free access to geological and geospatial data 24/7 (see page 18).

www.minerals.dpc.sa.gov.au
South Australia is richly endowed with minerals, oil and gas and renewable energy resources. It has established highly regarded geoscience initiatives, an internationally respected regulatory framework and a highly skilled workforce. It also recognises that building relationships with industry and facilitating ongoing growth in mineral exploration, mining and resources development will create opportunities for companies in the state’s mining services and technology sector.

South Australia has developed a reputation as one of the best jurisdictions in the world for exploring, developing and mining:

**JUMEX Survey, released 2016:** South Australia ranked as the second most attractive investment destination for mineral exploration in Australia, with only Western Australia achieving a higher rating, according to the Grant Thornton Annual Survey of Junior Mining and Exploration Companies. The report also found that there had been an improvement in market conditions for junior miners and that gold was likely to attract investment in 2017, a significant opportunity for a state such as South Australia with substantial gold deposits.

**Fraser Institute Annual Survey of Mining Companies 2016:** South Australia continues to be viewed as a very competitive international mining jurisdiction, ranking in the top quartile for a number of the key measures surveyed, including investment attractiveness, mineral potential and policy perception of the 104 jurisdictions assessed. South Australia’s geological database was again recognised for encouraging investment, climbing to sixth, up from ninth in 2015. In the Fraser Institute’s new report, Permit Times for Mining Exploration in 2016, South Australia led Australian jurisdictions with 58% of respondents indicating they received their permits within six months of submitting their applications.

South Australia is at the centre of Australia’s road, rail and air logistics networks, which creates time and cost advantages to key markets in China and across Asia.

Our resource riches

**Cu** 68% of Australia’s economic demonstrated resources of copper and 27% Australia’s copper production

**Au** 28% of Australia’s economic demonstrated resources of gold

**U** 80% Australia’s total known uranium resources and 80% Australia’s current uranium production

Emerging developments in graphite, kaolin, manganese, tin, silver, lead and zinc

World class iron-oxide-copper-gold deposits at Olympic Dam and Prominent Hill; zircon deposits at Jacinth-Ambrosia
Value chain investment opportunities

There are opportunities to invest in each stage of the minerals industry value chain in South Australia.

Mineral exploration: opportunities for investment include grass roots exploration as a tenement holder and/or operator or joint venture partner. Companies holding exploration licences may seek investment partners to progress projects.

Exploration companies are able to hold more than one exploration licence (EL) in different parts of the state and can be in various stages of exploration at the same time (e.g. an exploration company may be conducting low impact activities on one EL and drilling on another).

Exploration companies provide progress reports to their boards and shareholders and may seek additional funding from the financial market to conduct further exploration.

Developing projects: investors can partner with companies on more advanced exploration and developing projects by forming joint venture partnerships or product offtake agreements and contracts. An up-to-date list of these opportunities is available under "Mineral projects" (see website this page).

Major operating/approved mines: these generally have established offtake agreements and term contracts to supply products. However, supply and service companies are able to find opportunities particularly with companies that have approval to mine but are still establishing finances and their supply chain.

Processing: investors can work with significant on and off-site mineral refineries that import local and interstate ore and scrap metal for processing.

Service and supply: about 600 companies operate in the resources equipment, services and technology sector, making a combined contribution of A$3 billion, or 3 per cent, to Gross State Product. The Mining Industry Participation Office works with companies to further opportunities in this area.

As part of the state government’s support for this sector, the PACE Supply Chain Development Program helps existing companies to export and others to transition into the resource sector. The program enables companies to align with new target markets and develop new skills and capabilities to service those markets.

More information at www.minerals.dpc.sa.gov.au
Strengthening links in supply chain

The Mining and Petroleum Centre of Excellence supports the development of local supply chains to enable South Australian based companies to compete nationally and globally to provide high value added products and services to the resources sector.

The South Australian Government has committed A$10 million over five years as innovation seed funding toward the development of strategically important capabilities in areas such as:

- deep resource exploration and deep mining
- next generation minerals processing
- leading practice in mine rehabilitation and environmental protection
- mine to mill optimisation, ore selection and pre-concentration, mine logistics
- automating the resource sector through innovative ICT applications across the entire mining lifecycle.

The centre brings together resource companies, research institutions and service providers to drive resource sector growth in South Australia, increase competitiveness, reduce costs and help find solutions to problems.

It supports innovative new ideas with seed funding acting as a catalyst for developing the capabilities needed by industry.

The mining and energy services sector is integral to South Australia’s transition to a new economy. Already, around 600 resource sector supply chain related companies collectively contribute around A$3 billion to the state’s economy, employ over 12,000 workers, and support the local, national and global resources industries.

The Department of State Development’s Mining and Industry Participation Office can help businesses meet the needs of the state’s resources projects. Small businesses looking to participate in minerals and energy supply chains can also register their business with the Industry Capability Network SA.

Whilst the South Australian Government continues to support a range of initiatives aimed at accelerating the expansion and development of mining and resources opportunities in the state, significant growth opportunities are available for national and international participation. A combination of business diversification and collaboration, global competitiveness and technology-driven solutions will see local supply chain companies engage in national and international opportunities and generate knowledge intensive jobs of the future and businesses with sustainable, long-term, global value.
South Australia is a major copper producer and exporter and more than 130 companies are now exploring, developing or mining copper in the state. We have 68% of Australia’s copper resource and produced a third of Australia’s mined copper production in 2016.

The State’s Copper Strategy, launched in February 2016, will leverage this natural endowment of copper to support economic growth and address an expected increase in global demand for the red metal.

The strategy has been formulated with government, copper producers, supply chain companies, research institutions and the community.

It sets a target to more than triple South Australia’s annual output of copper to 1 million tonnes per annum within the next two decades.

To meet this target, the Copper Strategy focuses efforts across the copper value chain through three themes:

- exploration, discovery and information
- developing innovative infrastructure services and research
- and building industry and community capacity.

The drive to bring forward new copper discoveries is backed by a two-year injection of A$20 million into South Australia’s globally renowned Plan for Accelerating Exploration – PACE Copper. Technical innovation, contemporary datasets and collaborative industry drilling delivered through PACE Copper is underpinning the search for new copper resources that will give South Australia a pipeline of world class copper developments.

In the pursuit of innovative infrastructure services and research, the Copper Strategy is identifying ways to leverage the growth of the copper sector into an expanded role for local businesses within the global commodities and mining services market. This impetus has led to the allocation of A$10 million for research on a process to improve copper-in-concentrate and work is progressing to make South Australia an international technology and research hub for copper.

Building industry and community capacity is a key enabler to growing the copper sector. Through sharing knowledge, experiences and insights this theme seeks to improve sector competitiveness and understanding, building better relationships between stakeholders and identifying opportunities to simplify steps in the development process.
For more than a decade, South Australia’s internationally recognised Plan for Accelerating Exploration (PACE) has been the driving force behind new drilling and exploration in South Australia’s resource-rich, frontier setting.

In its first ten years (2004-2014), PACE successfully unlocked A$2.4 billion in new mineral production, provided a return on investment of 20:1 on exploration investment, and brought forward 15 significant exploration successes - the world-class Carrapateena copper gold deposit among them (see page 8).

South Australia continues to build on this success through PACE Copper, a vital contributor to South Australia’s copper strategy, injecting A$20 million to expand the search space for high quality copper assets through world-leading geoscience and collaborative co-funded drilling. It seeks to generate more than A$400 million in private mineral exploration.

PACE copper is:

- delivering the world’s largest high-resolution, airborne geophysical and terrain imaging program to rejuvenate exploration in South Australia’s Copper Belt
- encouraging industry and government collaboration on new drilling targets
- providing world-class data and analysis for the frontier province in the state’s Far West that will result in a major regional drilling program.

South Australia currently hosts three operating poly-metallic copper mines:

- Olympic Dam - copper, gold, uranium, silver
- Prominent Hill - copper, silver, gold
- Kanmantoo - copper, gold, silver.

Future copper production is expected to come from major developing copper projects in South Australia including Carrapateena, Khamsin and Kalkaroo (see map opposite).

Many of the deposits in South Australia’s copper provinces are covered by a sequence of younger rocks that have effectively hidden many large copper deposits from the early explorers.
South Australia’s Copper Belt continues to generate value, offering vast untapped potential.

Terry Burgess, President, South Australian Chamber of Mines and Energy.
South Australia’s reputation for hosting world-class copper assets has been reinforced with the construction of an exploration decline, or tunnel, to reach the Carrapateena copper–gold ore body. Owned by OZ Minerals, Carrapateena is one of Australia’s largest copper–gold resource developments with a feasibility study currently underway.

In early November 2016, South Australian Premier Jay Weatherill officially opened the Tjati Decline, a 7.5 kilometre-long tunnel providing access to the copper–gold deposit located 500 metres below the surface.

The decline, involving an investment of A$65 million, will take just under two years to build and is a key part of de-risking the Carrapateena Project, located 450 kilometres north of Adelaide.

For the state government and exploration community alike, the original discovery of Carrapateena demonstrates the value created from precompetitive geoscience initiatives, as the ore body was discovered as a direct result of public investment in the PACE collaborative drilling program in 2005.

Rudy Gomez, prospector and metallurgist with RMG Services, long-understood the potential of the region and successfully secured one of the early PACE drilling grants, proceeding to unearth the game-changing discovery.

Canadian company Teck Cominco then proved up the resource before handing the baton to OZ Minerals in 2011, which continued to scale up the resource, while working out how best to develop the project.

Carrapateena is within South Australia’s copper-rich Gawler Craton and OZ Minerals has identified multi-decade production from the high-grade deposit, as well as the excellent potential for the nearby Khamsin and Fremantle Doctor prospects, within 10 kilometres.

Following a community consultation process and completion of a feasibility study, the OZ Minerals Board will undertake a final approval process for the project in 2017. As it stands, the project has the potential to trigger almost A$1 billion in investment and create more than 1,000 jobs in the construction to production phase.

Carrapateena is an outstanding example of the stimulus that PACE has provided in unlocking the state’s precious resources, generating returns of over 20:1.
South Australia is planning to make the most of its vast iron ore resources to meet expected growth in global demand for steel and iron ore as steelmakers look to magnetite as an alternative feedstock to complement direct shipping ore.

The state government is now developing a Magnetite Strategy with industry and communities to guide and support the development of those resources for economic growth and job creation within the supply chain.

With future demand for magnetite concentrated within China, India and South East Asia, South Australia’s Magnetite Strategy aligns with the state government’s international engagement with these regions.

The strategy will aim to:

- secure A$10 billion of committed investment in magnetite iron ore projects within five years
- make South Australia the foremost global source of quality magnetite for steel making.

This will enable the state to capitalise quickly when resurgent demand for resources leads to the next inevitable upswing in commodity cycles.

Proposed actions for the strategy include:

- supporting independent research to assess and identify South Australia’s magnetite resource and its comparative advantages to global suppliers against our potential competitors in Australia and global players
- identifying international market demand and trends to determine potential export destinations for South Australian magnetite
- marketing South Australia’s comparative advantages across the global supply chain for magnetite product to attract investment.
More than 90% of South Australia’s iron ore is magnetite, located in several prospective areas, from Eyre Peninsula in the west to the far north and the Braemar province in the north east.

Ambitious target to deliver A$10 billion of committed investment to unlock the potential of this resource.

90%+

Approximately 2 million tonnes of magnetite is mined each year in South Australia for domestic use and export and there are 15 magnetite projects in various stages of development.

2 million

Producing 50 million tonnes of magnetite a year by 2030.

Operational mines and major projects in the pipeline

<table>
<thead>
<tr>
<th>Owner</th>
<th>Arrium Ltd</th>
<th>Cu-River Mining Australia p/L</th>
<th>Iron Road Ltd</th>
<th>Magnetite Mines Ltd</th>
<th>Havilah Resources Ltd</th>
<th>Carpentaria Exploration Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of mine/project</td>
<td>Middleback Ranges (operating mine)</td>
<td>Cairn Hill Magnetite Project (operating mine)</td>
<td>Central Eyre Iron Project (major project)</td>
<td>Mawson Iron Project (major project)</td>
<td>Maldorky</td>
<td>Hawsons Project</td>
</tr>
<tr>
<td>Region</td>
<td>Eyre Peninsula</td>
<td>Far North</td>
<td>Eyre Peninsula</td>
<td>Braemar</td>
<td>Braemar</td>
<td>Western NSW</td>
</tr>
<tr>
<td>Total resource</td>
<td>179 million tonnes</td>
<td>569 million tonnes</td>
<td>4.5 billion tonnes</td>
<td>2.7 billion tonnes</td>
<td>147 million tonnes</td>
<td>1.8 billion tonnes</td>
</tr>
<tr>
<td>In situ Fe grade (%)</td>
<td>35%</td>
<td>27.1%</td>
<td>15.5%</td>
<td>18.2%</td>
<td>30.1%</td>
<td>15%</td>
</tr>
<tr>
<td>Projected concentrate Fe grade - DTR (%)</td>
<td>67%</td>
<td>68.5%</td>
<td>67%</td>
<td>67%</td>
<td>67%</td>
<td>70%</td>
</tr>
<tr>
<td>Projected production rate (million tonnes per annum)</td>
<td>1.8 Mtpa (current)</td>
<td>0.9 Mtpa (current) +4.5 Mtpa (projected)</td>
<td>21.5 Mtpa</td>
<td>25 Mtpa</td>
<td>2.4 Mtpa</td>
<td>10 Mtpa</td>
</tr>
<tr>
<td>Life of mine (years)</td>
<td>10 years</td>
<td>20 years</td>
<td>25 years</td>
<td>25 years</td>
<td>26 years</td>
<td>26 years</td>
</tr>
<tr>
<td>Major infrastructure required</td>
<td>Existing</td>
<td>Existing</td>
<td>Rail, deep sea port</td>
<td>Slurry pipeline, floating port</td>
<td>Haul road to rail line port</td>
<td>Slurry pipeline to rail line Port Development</td>
</tr>
</tbody>
</table>
South Australian iron ore deposits
Leading petroleum transformation

South Australia is leading petroleum transformation in Australia, thanks to the right geology, policy innovation and excellent investment and regulatory frameworks.

The state is widely regarded as having one of the country’s most effective upstream petroleum frameworks, which benefits from pre-existing infrastructure, and is a jurisdiction focused on increasing capabilities and productivity.

This was reflected in the results of the Ninth Fraser Institute Global Petroleum Survey of December 2015, which confirmed at the time that South Australia had consistently delivered better policies for petroleum than all other Australian jurisdictions between 2010-15, as perceived by industry.

South Australia is the first Australian jurisdiction to deliver a comprehensive approach to developing its vast gas resource plays. The Roadmap for Unconventional Gas Projects in South Australia informs industry strategies, government policies and regulations to facilitate oil and gas projects in ways that are welcomed by South Australian communities.

Work to implement the roadmap and commercialise gas continues through the Roundtable for Oil and Gas, which has more than a thousand members. It addresses critical topics such as reduction of transport red tape, freight and transport connection, water use in the Cooper-Eromanga basin, and gaseous fuels for transport and heavy machinery. A new edition of the roadmap is planned for early 2018.

In March 2017, the state government announced its new Energy Plan which includes new policies such as a government owned gas-fired power plant and a new Plan for Accelerating Exploration (PACE) scheme to provide 10% royalties to landowners in the new Otway Basin exploration area in the State's South East. This licence is available via work program bidding, which closes on 29 September 2017.

The government also announced the successful applicants for round one PACE Gas grants - namely Senex, Santos, Beach Energy and Strike – as well as opening the second round to encourage more gas extraction for electricity generation. This round offers A$24m in grants and closes in October 2017.

More information:
www.ourenergyplan.sa.gov.au

Nearly all of the state’s prospective acreage is under licence or application. South Australia has a diversity of basins with petroleum potential including the Cooper-Eromanga basins currently the nation’s largest onshore oil and gas producer. The Otway Basin has produced gas in South Australia and is currently producing gas in Victoria. The states’ onshore and offshore frontier basins remain under-explored with potential for large discoveries. It has been estimated that the Cooper Basin alone could potentially supply Australia’s natural gas needs for more than 200 years. It provides established petroleum processing infrastructure, a service and supply sector, and pipeline links to major Australian and overseas export gas markets.

Exploration is now focusing on the lightly-explored flanks of the Cooper Basin for oil and on new unconventional reservoir plays such as deep coals and source rocks in the heart of the basin. Application of new drilling and production technologies is optimising ongoing development of existing oil and gas fields.

The Otway Basin contains both conventional and unconventional oil and gas plays, with high potential for further discoveries. It straddles on and offshore acreage. The hydrocarbon system is proven by gas/condensate production and nearby oil and gas discoveries. Existing pipelines and infrastructure provide a path to local and national markets. Modestly sized gas discoveries can fuel both gas and electricity generation opportunities. The 80 megawatt Ladbroke Grove Power Station currently utilises sales gas from the SEAGAS Pipeline and is located near Penola and the main electricity interconnector with Victoria. Comprehensive reports on these basins are available for free at:
www.petroleum.dpc.sa.gov.au

South Australia has one of the largest upstream petroleum-focused university education programs in the Southern Hemisphere, with about 30 full-time staff, 250+ undergraduate students and more than 75 postgraduate students. The Australian School of Petroleum at the University of Adelaide provides fully integrated teaching and research in petroleum engineering, geoscience and management.
Our vision is about opening the door to new ideas, new opportunities, new people and new businesses and we are committed to unlocking the full potential of the State’s resource and energy assets.

Minister for Minerals and Energy, Tom Koutsantonis

Australian liquid petroleum and gas pipelines

Map: Government of South Australia
South Australia possesses a wealth of minerals which are owned by the state government and managed on behalf of all South Australians.

The state government is responsible for the administration and management of mineral resources and regulation of South Australia’s mineral exploration and mining sectors.

The Government of South Australia encourages the development of our mineral resources as an economic priority for the state. Unlocking the full potential of South Australia’s resources, energy and renewable assets sets targets for mineral resource exploration and development. This priority recognises the importance of our resources sector in growing the state’s future economic prosperity through increased business investment, regional development and opportunities for employment and skilling, balanced against key environmental and social objectives.

Best practice management of South Australia’s mineral assets, including streamlined regulation of exploration and mining activities, attracts investment that delivers outcomes of sustainable benefit and prosperity.

Our government recognises that exploration and mining companies require predictable procedures for access to land, security of exploration and/or mining tenure and predictable regulatory processes in order to commit to higher risks for investment in mineral resource exploration, new mine development and life-of-mine operations.

Exploration and mining companies need to achieve a social licence to operate from the community as part of establishing effective long-term relationships with all stakeholders. In this case, community confidence in the industry’s overall performance and a demonstrated commitment by companies to best practice environmental management is paramount.

The state government is committed to these fundamental regulatory principles:

> **Effectiveness and efficiency:** A streamlined, fit-for-purpose, regulatory approach, appropriate for the circumstances, to achieve clearly identifiable outcomes.

> **Accountability:** Ensuring responsibility and accountability are clearly assigned and understood by explorers, miners and the community.

> **Enforcement:** Ensuring explorers and miners achieve approved outcomes.

> **Engagement:** Valuing the informed involvement of communities and other stakeholders in processes leading to decision-making and achievement of a social licence to operate.
South Australia already has an international reputation for providing a transparent, thorough and rigorous assessment process for the mining industry.

The current Leading Practice Review of the Mining Act, the Mines Works and Inspection Act and the Opal Mining Act will allow for the modernisation of these laws to ensure South Australia stays a leader in modern and efficient practices for exploration and mining.

It will help the state to realise the enormous benefits that will inevitably flow from the next upswing in the commodities cycle and build the confidence of both the community and industry participants.

The review seeks to:

> bring forward the economic and social benefits of the State’s mineral wealth for the community and mining industry
> grow businesses and drive investment by abolishing obsolete and cumbersome legislative processes
> provide a more flexible one-stop-shop approach for mining assessments and approvals
> establish South Australia as a leading e-business practitioner
> increase the efficiency of our processes for greater transparency and certainty
> implement flexible financial assurance models that maintain community confidence in mine closure and environmental rehabilitation
> provide clear pathways for changes to operations during the life of a mine so that operators can adopt new technologies and adapt to changing market conditions and community expectations
> reinforce the existing leading practice environmental protections offered under the Mining Act.
World leading R&D

South Australia’s mining industry is supported by world-renowned research and development initiatives and support services.

Tonsley is a collaborative and innovative industry, education and residential precinct in southern Adelaide, which houses the South Australia Drill Core Reference Library (see page 19).

Tonsley is focused on developing products and services for four industry sectors, including minerals and resources and represents a A$253 million state government investment.

TAFE SA’s Tonsley campus houses the new Onshore Petroleum Centre of Excellence, where workers in the oil and gas industry can earn formal qualifications in a fully immersive, simulated oil and gas production environment.

Tonsley presents a unique opportunity to invest in a district designed to inspire collaboration, innovation and the commercialisation of new products and services.

The Remote Operations Centre is a collaboration between OZ Minerals, the University of South Australia, IPACS Power and the state government that provides an ICT platform for remote applications. It examines how vibration analysis of equipment at a distant mine site can indicate impending problems and failures. This enables equipment to be repaired before issues arise and used more intensively for longer periods.

The Deep Exploration Technologies Cooperative Research Centre (DET CRC), based near Adelaide Airport, is the world’s best-supported independent research initiative in mineral exploration, with A$155 million funding from the Commonwealth Government and industry partners. DET CRC is developing transformational mineral exploration technologies that will deliver cheaper, faster and safer methods of drilling, analysing and targeting deep mineral deposits.

The University of South Australia’s new multimillion-dollar Future Industries Institute focuses on building knowledge and capacity in core industries. The Institute undertakes global research in minerals and resources engineering, inspired by real-world issues and utilising national and global partnerships.
South Australia’s mining industry is supported by world-renowned research and development initiatives and support services.
South Australia contains a part of the earth’s crust that is extremely fertile for hosting mineral deposits across a wide range of mineral commodities.

The mineral exploration challenge has been to discover these mineral deposits which are typically buried beneath significant cover.

By openly providing world-class geoscience data and information, the Geological Survey of South Australia provides the necessary framework and foundations for mineral exploration towards new discoveries.

This includes the provision of pre-competitive geophysical surveys for the discovery of what is now one the world’s biggest copper, gold and uranium mines at Olympic Dam and collaborative drilling for the discovery of the Carrapateena iron ore-copper-gold (IOCG) deposit.

Ongoing state government investment in providing unrivalled, pre-competitive geoscience data and information provides ongoing new releases of state-of-the-art geoscience data and information and the very best research collaborations.

The award winning South Australian Resources Information Gateway (SARIG) provides customers with access to more than 130 years of geoscientific information, available for free download 24 hours a day, seven days a week at:

https://map.sarig.sa.gov.au

SARIG can be used to find:

- South Australian mining projects
- geology, geophysics, regolith, paleodrainage, petroleum basins, groundwater and earthquakes
- mineral and geothermal tenement boundaries
- exploration company details and commodity information
- infrastructure locations e.g. power stations, substations and transmission lines, water pipelines, roads and railway, ports and airports
- data from other government agencies that add value to mineral and energy resources managed data, e.g. land access layers for parks, Native Title and property boundaries
- seismic lines and seismic horizon maps

A new look SARIG was released in February 2017, with many new features including:

- modern interface including new menu layout and responsive design (touch screen)
- introduction of map layer themes, search and filter the new map layer catalogue
- Mineral and Petroleum Industry Indicators Dashboard – view and download resources industry statistics
- Commodity Dashboard – interactive production and resource graphs from a state level down to a project, corresponding map to visualise the commodities in SA
- expanded spatial search and links to related data downloads
- Improved save map capabilities and map share options
- new release section, new coordinate tools, additional base maps and location service.

Mineral exploration is also supported by the South Australia Drill Core Reference Library, a state of the art facility which opened in February 2016 (see article opposite).

Also launched in 2016 was a 3D model showing underground landscapes to a depth of 100 kilometres for South Australia’s entire land mass.

The South Australian Geophysical Reference Model allows users to bring to life the state’s vast data sets of geological landscapes and can be accessed online, free of charge. It can also be viewed at the Holloway Geoscience 3D Theatre at the South Australia Drill Core Reference Library.

The world-class model draws on the state’s countless geo-data sets, enabling users to view different attributes on cross-sections of the earth. It can help companies make more informed decisions for exploration programs by addressing the challenges of finding significant new deposits at depth, under cover, or in complex settings.

It is the first time a model of its size, complexity and richness of geophysical data had been produced for the entire state. The model was developed in collaboration by the Department of State Development, The University of Adelaide, Geoscience Australia and the Deep Exploration Technologies Cooperative Research Centre.
Once again South Australia is leading the way with the nation’s most innovative and industry-engaged government geoscience initiative.

Dr Richard Hills, Chief Executive Officer, Deep Exploration Technologies Cooperative Research Centre

The new South Australia Drill Core Reference Library helps exploration companies to better target potential discoveries and spend their exploration dollars more effectively.

This new A$32.2 million one-stop-shop houses a priceless collection of the state’s geology, bringing together more than 7.5 million metres of drill core samples that represent more than 100 years of exploration.

A drill core viewing area provides scientists with a 3D view of geology and mineral deposits from drill core samples.

The valuable collection, together with the state’s freely available exploration reports, data, information and latest modern drill core scanning systems,

provide an important advantage in the ongoing search for mineral ore deposits and petroleum resources.

The facility also provides direct access to South Australia’s extensive library of geoscience information through the South Australian Resource Information Gateway.

Other world-class sample reference collections, and conference, meeting and education facilities make the library an innovative and exciting centre to support mineral and energy resources in South Australia.

Library drills down to boost exploration
How we can work with you

Investment Attraction South Australia is the peak agency for supporting investment into South Australia.

Our mission is to drive inward investments for South Australia that creates high value-adding industries and sustainable jobs.

We are the people to speak to if you are:

> establishing a presence in South Australia
> seeking joint venture opportunities
> growing an existing business in South Australia
> investing in South Australian businesses, or
> looking to raise project funding and capital.

Together with our agency partners, we will work with you by offering:

> tailored support to meet your individual needs
> access to key decision-makers in both the public and private sectors
> speed of delivery
> a case management service to streamline establishment and approvals processes for foreign direct investment, and
> an ambitious red tape reduction program to make doing business as easy as possible.

We pride ourselves on our personalised approach and want to understand your needs. Please contact us to get started, see back cover for details.

South Australia at a glance

Adelaide 5th most liveable city in the world

Property prices and leasing rates 60% cheaper than Sydney for premium office space

Full-time labour costs 10% below the national average

Strengths in emerging technologies

$670 million in tax reductions over the next four years.

We’re creating the LOWEST TAXING STATE in Australia for business.
“South Australia has a can-do attitude towards exploration and mining. The state has an objective to make South Australia a world producer in copper and uranium.”

Mining executive, 2016 Fraser Annual Mining Survey

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This document is subject to change by Investment Attraction South Australia.

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www.minerals.dpc.sa.gov.au

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