Where is the Surat Basin?

It covers an area stretching from Roma in the west, to Taroom in the north and east to Toowoomba.
What are the key drivers of growth?

Thermal Coal and Coal Seam Gas
Thermal Coal...

- The Surat Basin contains over 6.3 billion tonnes of thermal coal.
- It is used for both export sales and local power generation.
- Upgrades and developments of road, rail and port infrastructure will be necessary to enable increased export sales.
- By converting coal to syngas, other products such as diesel, fertiliser and plastics can also be produced.
Coal Deposits

- Coal Mines
- Proposed Coal Mines
- Coal Deposits

*Declared*

While every care is taken to ensure the accuracy of this data, the Department of Employment, Education, Development and Innovation cannot accept any responsibility for liability including indirect liability, whatever its nature, under any circumstances or any error or accidental or incomplete information, for any purpose or from any person or organization. The data is subject to change without notice. The information provided is intended for general reference only and may be subject to error or omission.
Coal Seam Gas...

- Coal seam gas is a form of natural gas (methane) that is extracted from underground coal deposits.
- Demand for Coal Seam Gas is driven by:
  - power generation
  - replacement of natural gas from the Cooper-Eromanga basin
  - demand from southern markets (NSW & SA)
  - and global demand.
- The supply of gas to global markets is subject to the development of LNG facilities at Gladstone.
Power stations...

**Coal**
- Millmerran
  - Intergen 880 MW
- Tarong
  - Tarong Energy 1400 MW
- Tarong North
  - Tarong Energy 450 MW
- Kogan Creek
  - CS Energy 750 MW

**Gas**
- Braemar
  - NewGen Power 450 MW
- Braemar
  - Origin Energy 630 MW
- Spring Gully
  - Origin 1000 MW
- Oakey
  - Oakey Power Holdings 300 MW
- Roma
  - Origin 70 MW
- Condamine
  - Qld Gas 140 MW
UCG & Coal to liquids projects

Potential Projects

[Map showing locations of potential projects with red stars]
Other significant drivers include:

- **LNG plants**: Curtis Island, Gladstone
- **Port infrastructure**: Wiggins Island (north of Gladstone)
- **Water**: Byproduct of CSM gas extraction - 166,000 ML pa.
- **Rail**: Southern inland missing link and other rail line upgrades.
- **Roads**: Upgrades are needed for efficient transportation.
Major companies operating in the Surat Basin.

- **Power stations:**

- **Coal:**
  - Xstrata, Anglo, New Hope, Peabody, Cockatoo, Tarong Energy.

- **Coal Seam Gas:**
  - Qld Gas/British Gas, Origin/Conoco Phillips, Santos/Petronas, Arrow/Shell

- **Coal Gasification:**
  - Linc Energy, Metex Resources and Cougar Energy

- **Missing link Rail:**
  - Qld Rail, Xstrata, Anglo and 2 private companies.

- **Drilling services:**
  - Easternwell, Lucas Mitchell, Atlas Drilling
Some of the key business opportunities include...

- Exploration & drilling services
- Earth moving contractors
- Pipeline construction
- Welding & fabrication services
- Hydraulics & auxiliary services
- Electrical services
- Transport & logistics
- Equipment repair & maintenance
- Sandblasting, painting & galvanising
- Hospitality, cleaning & catering
- Engineering & surveying services
- Water treatment
- Scientific analysis services
- Project management services
- Security & safety system providers
- Accounting & administration
- Training & education
- Residential & commercial construction
- Health & other social services
The Challenges...

- Development of coordinated infrastructure (roads, rail, water and gas)
- Managing social services & community infrastructure
- Up-skilling local industry to service and supply energy development.
- Attraction of new business and industries
- Attracting skilled and non skilled labour
Key messages to take home...

Major international companies are currently investing $140 Billion in our region