Taking on the world’s largest feat of automation engineering
Eskom Kusile thermal power station

Filling the energy gap

South Africa is growing fast and with it its electricity demand. Energy reliability is critical now more than ever.

An unprecedent magnitude:
6 Units, 800 MW each
to supply power to the entire country

A record breaking
$160 million automation project
to prove ABB’s capabilities and set the stage for future vast-scale integration project

A stream of components

ABB will provide the power station control and instrumentation system with:
- Operation
- Control
- Protection
- Interlocking
- Monitoring of the BoP and Power Island areas
to enable the operators to execute their tasks safely, reliably and consistently

This includes
- Engineering
- Procurement and manufacturing
- Installation
- Commissioning
- Optimization

Resulting in
- 755 cubicles
- 160 servers
- 156 monitors
- 10,000 instruments
- 700 km of cables

The brain of the project

To complete the project, ABB has made available its breadth of expertise worldwide

150 engineers

Sources:
http://new.abb.com/power-generation