

Enhancing Collaboration At PetroSA



RECOGNISED BENEFITS

REDUCED SUB-SURFACE PROJECT CYCLE TIME

Greater access to data, via multiple channels

BETTER QUANTIFICATION OF SUBSURFACE UNCERTAINTY AND ASSOCIATED RISKS

Multi-disciplinary teams collaborating in the same facility, makes for better understanding

DEFINITION OF APPROPRIATE RISK MITIGATION STRATEGIES & WORK PROGRAMS

Decision gates and process steps now better defined and acted upon, using the CVE as a catalyst

ENHANCED DECISION MAKING

More data, wider scope, greater collaboration; all add up to the ability to create more valued decisions

ENHANCING COLLABORATION. DRIVING EXCELLENCE.

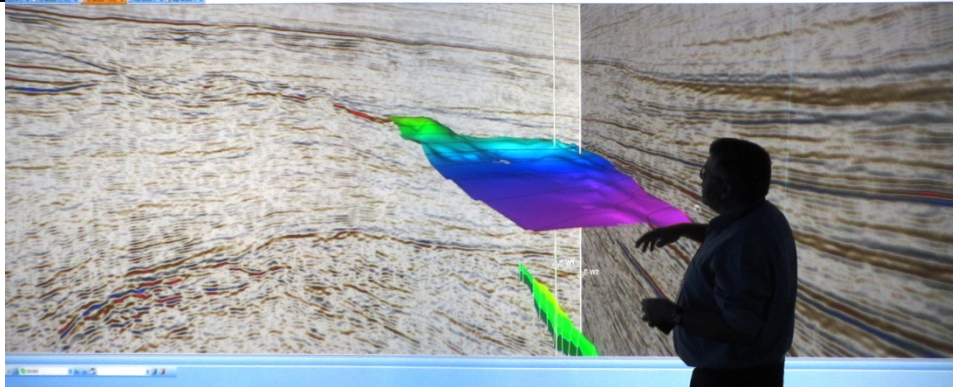
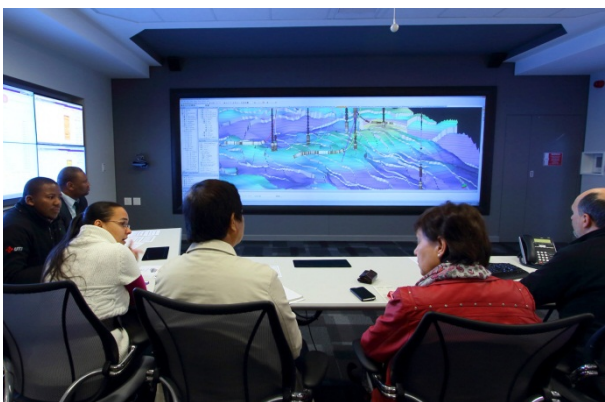
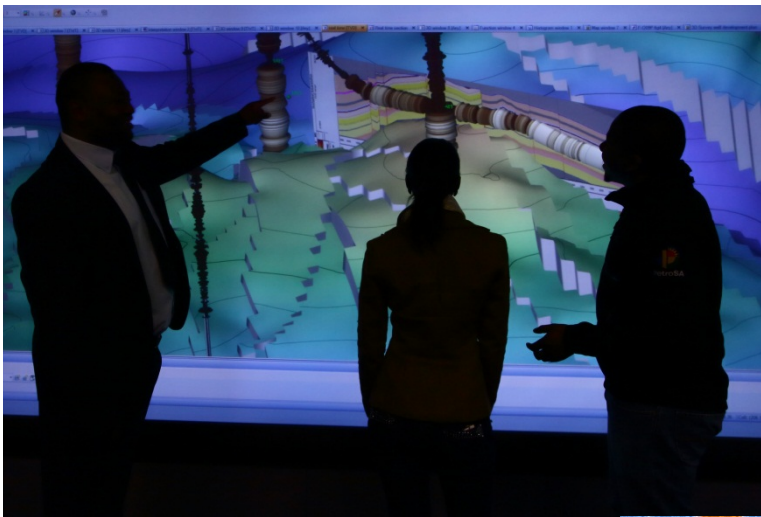
PetroSA has invested in the very latest cutting-edge collaboration and visualisation technology available to generate increased business value. Our new collaboration facility – the Ulwazi visualisation center - will accelerate decision making in PetroSA. We are the first exploration company in Sub-Saharan Africa to invest in the latest instrumentation and visualisation equipment from the foremost technology providers. We are therefore proud to be the technology leader in the oil industry in Southern Africa and beyond.

Collaborating in Ulwazi is helping PetroSA make better informed, faster decisions about how assets are developed.

It will help us further our understanding of geological structures and reservoirs which will lead to improved decision making in areas such as well placement, field development planning and reserves estimates.

This collaborative working allows both graduates and senior peers alike to consider differing points of view via integration of multiple data types, supporting cross disciplinary collaboration and facilitating stronger linkage with field sites.

PetroSA has high hopes for Ulwazi which is already becoming part of daily geoscience and well planning processes. It will be the enabling tool to improving data quality at PetroSA, a catalyst for integration between disciplines and better decision making and a centre of excellence for education services in PetroSA and South African geoscience.



LATEST VISUALISATION AND COLLABORATIVE TECHNOLOGIES



CHANGE MANAGEMENT

COLLABORATION ZONE

- Superflat, laminated, wall-mounted solid glass screen: ca 6m x 2.1m
- Rear-projection from 2x Barco Galaxy NW-12 stereo 3-chip projectors
- 6 sources controlled by Barco XDS-200 desktop sharing system
- Extron wall-mounted touch control panel for all sources, screens, lighting and sound
- LCD satellite screens: 6 backlit 55" LCD screens with ultra-thin bezel. Remote controlled
- SMARTBoard with UX60 projector and SMARTMeeting Pro software
- Asymmetric deskling, re-configurable to three different layouts dependent on meeting type
- Matrix switching and single keyboard & mouse control for all sources
- 15 sets of Active Infitec glasses

MENTORING ZONE

- 8 seating areas providing sixteen 24" LCD monitors
- 8 high-powered workstations, all on to IT backbone network, connected to XDS-200 to share outputs with main screen
- Remotely networked via Dell FX100 modules

BREAK-OUT ZONE

- For private meetings or crisis situations
- Single 24" LCD monitor and single workstation
- Video Conferencing system connected to PetroSA network, main CVE next door, to Mossel Bay refinery and rigs

In isolation, there is no guarantee of success or regular adoption for such a technologically advanced facility. Resultantly, new ways of working have been put in place in PetroSA which involve behaviours, better session planning and time management, previously not deployed in PetroSA.

A Management Plan was developed by Schlumberger (our partners in this project) in order to guide the user communities through the changes experienced in using the facility. This developed into a long-term sustained engagement which has built upon the CVE's technological abilities, using it as a catalyst for change, and embedding its usage into standardised exploration process steps.