



PetroSA

PetroSA Overview

- *PetroSA was established in 2002*
- *Employs 1925 total staff members (July 2013)*
- *Owns world's 3rd largest GTL refinery*
 - *36 000 barrels per day products*
 - *6% SA Refining capacity (SAPIA)*
- *Business spans full petroleum value chain*
- *Produces diesel, gasoline, kerosene and specialty products*
- *Has produced ~70 MM bbl crude & 1 Tcf of natural gas to date.*
- *Has additional exploration acreage in Ghana, Equatorial Guinea & Namibia*
- *Has a trading office in Rotterdam*
- *Net Asset Value ~ R16.57 billion*

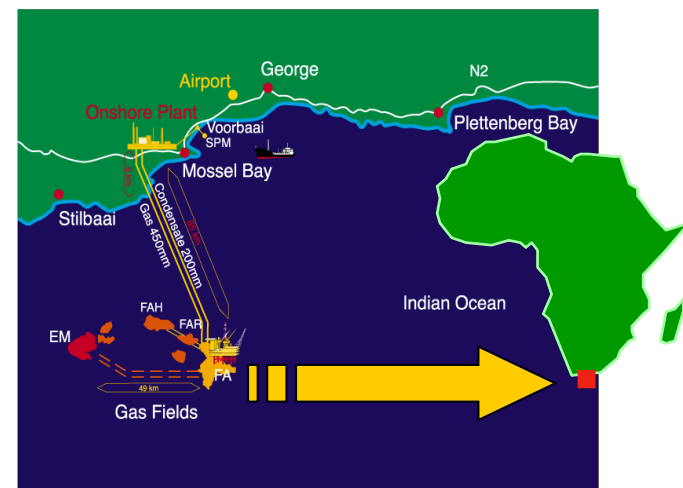




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Our Current Strategic focus is

- *Sustain the GTL refinery at Mosselbay,*
- *Use the GTL refinery as a platform for growth,*
- *Grow PetroSA to a significant industry player in RSA and regionally,*
- *Contribute meaningfully to security of energy supply,*
- *Support economic growth, job creation and drive transformation.*

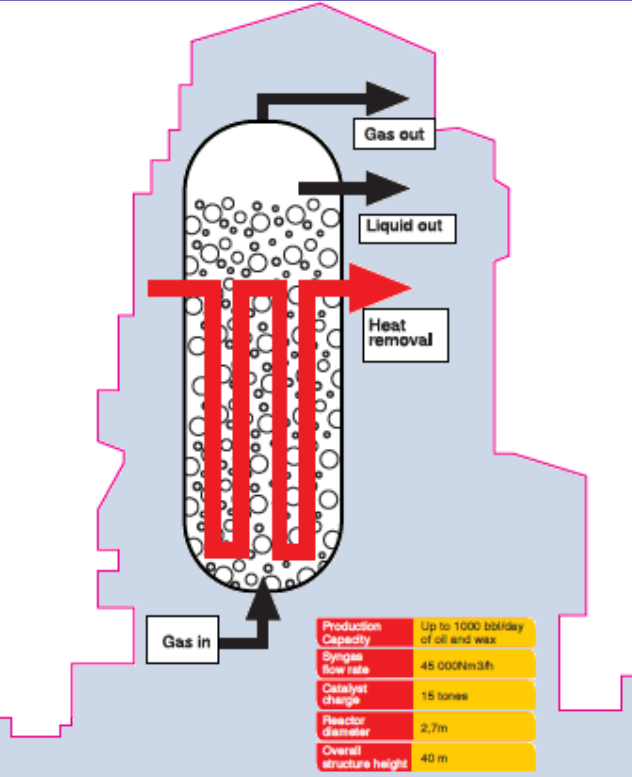





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New Technology: LTFT Demonstration

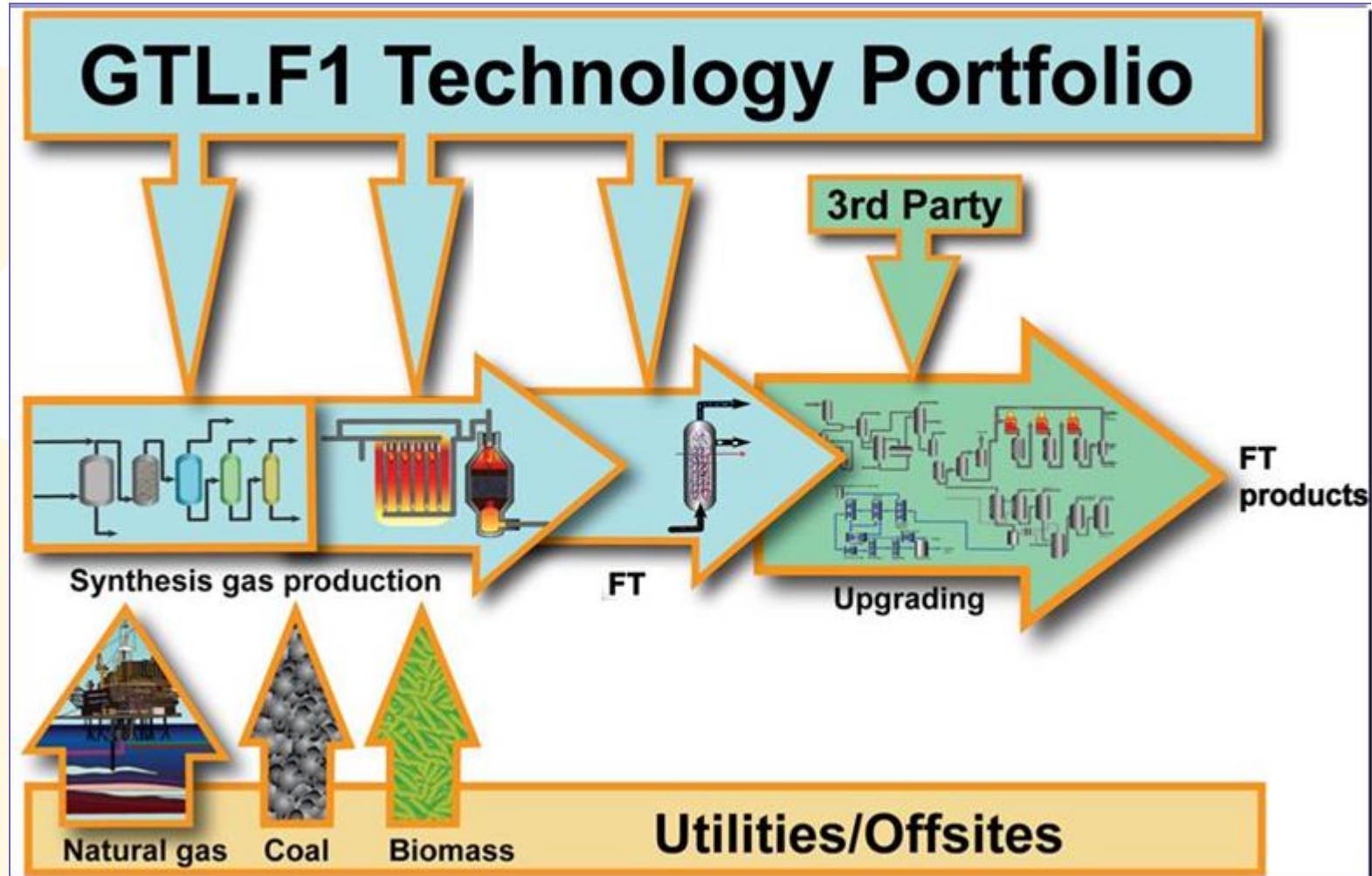
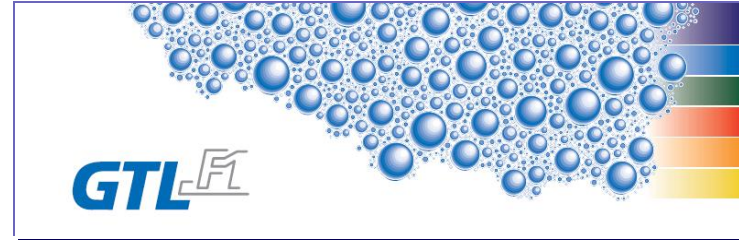
operational trials completed



| | |
|--------------------------|-----------------------------------|
| Production Capacity | Up to 1000 bbl/day of oil and wax |
| Syngas flow rate | 45 000Nm ³ /h |
| Catalyst charge | 15 tonnes |
| Reactor diameter | 2,7m |
| Overall structure height | 40 m |

Commercialisation of technology

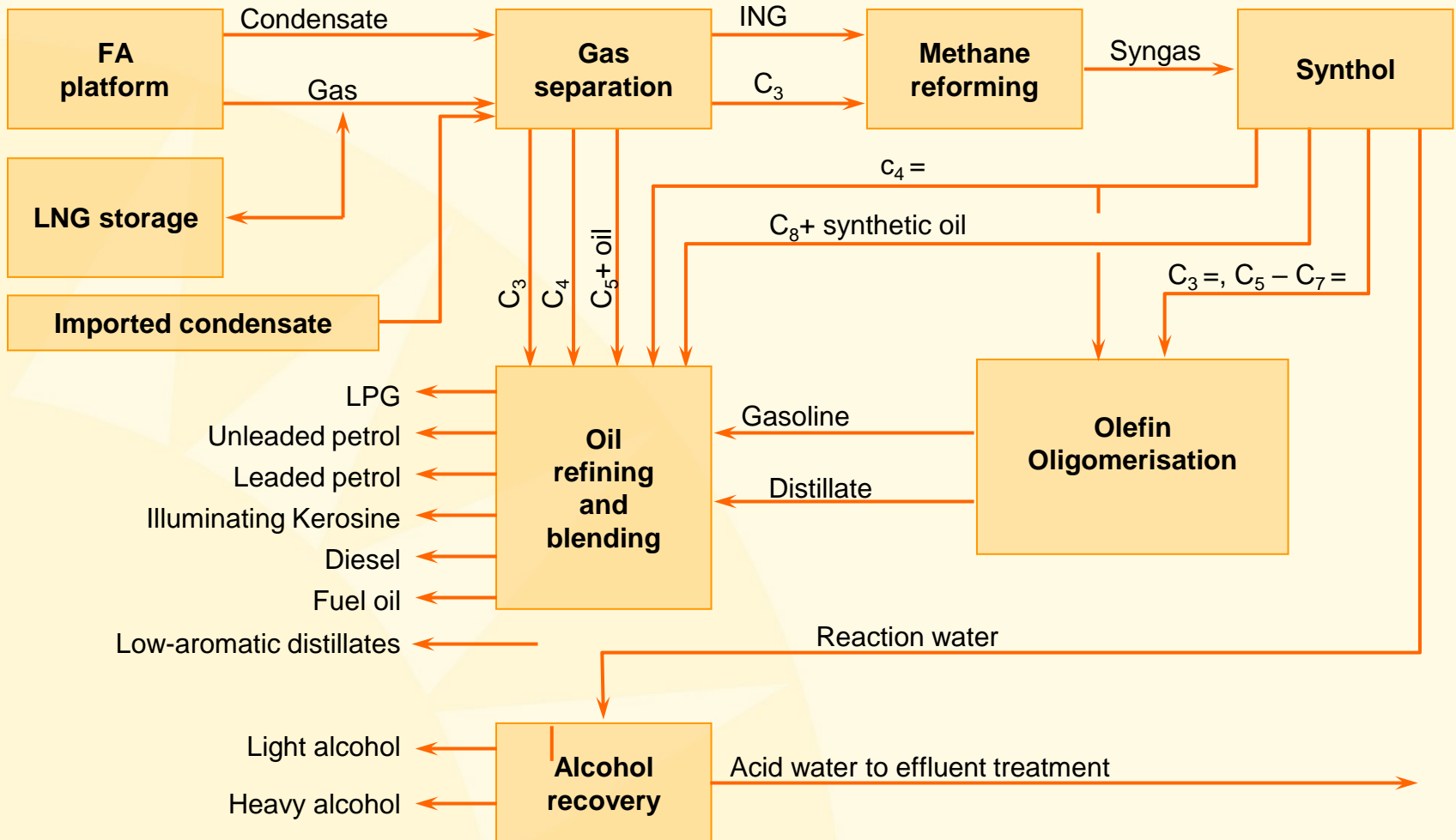
The joint venture project has now proven the viability of advanced F-T cobalt catalyst and reactor technology at a scale that minimises the risk of further scale up to commercial plants.





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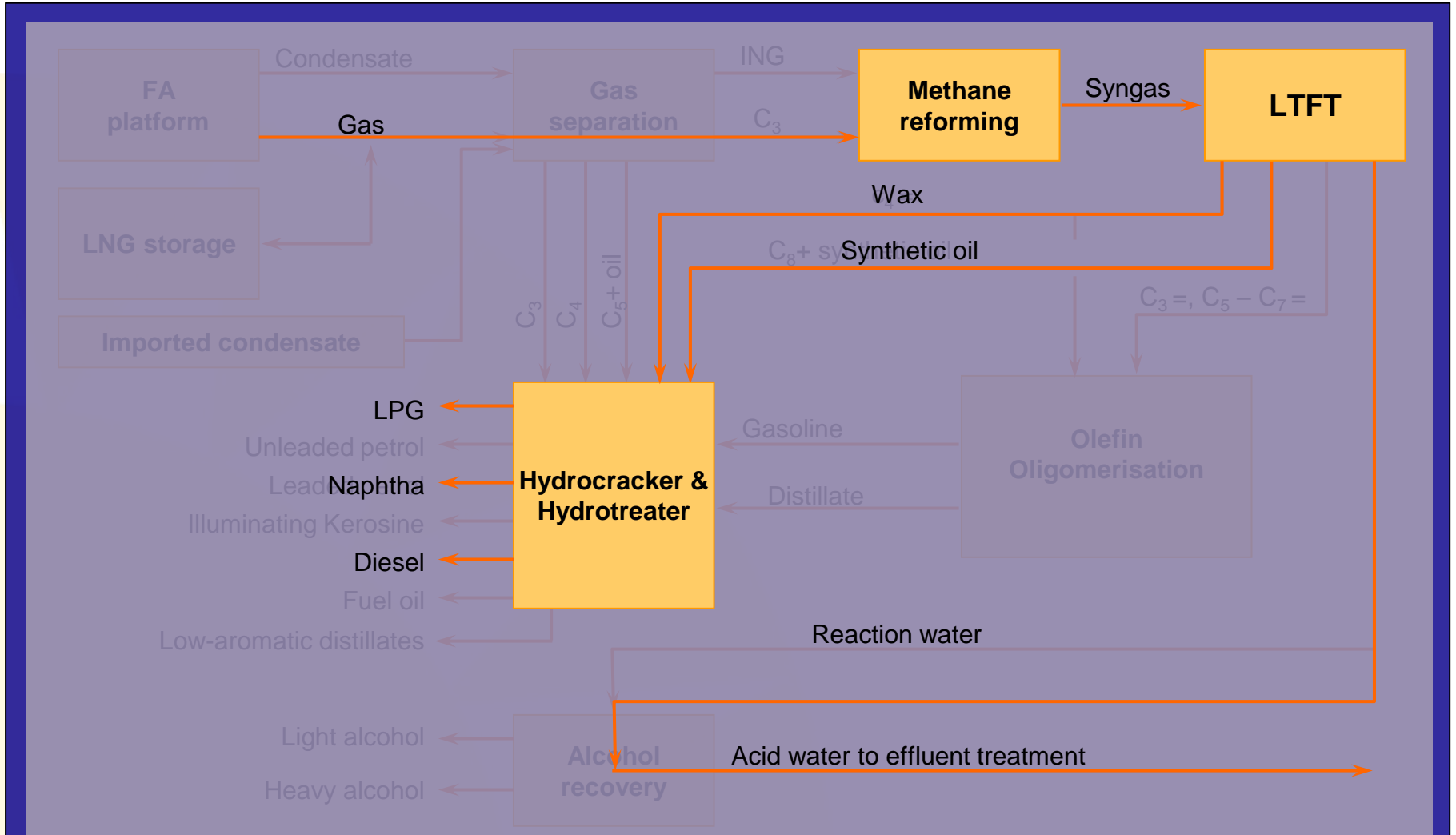
Mossel Bay GTL Process flowsheet





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LTFT Process flowsheet

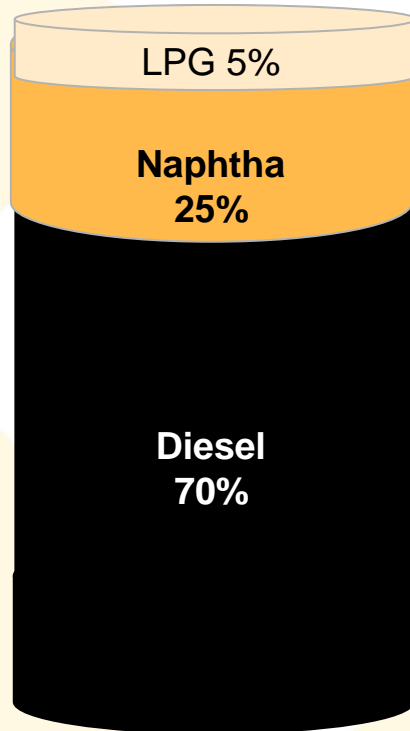




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LTFT increases diesel production

Low temperature Fischer-Tropsch



High temperature Fischer-Tropsch

