sasol
reaching new frontiers

Sasol and Gas-to-Liquids (GTL) in Canada

Calgary
10 November 2011

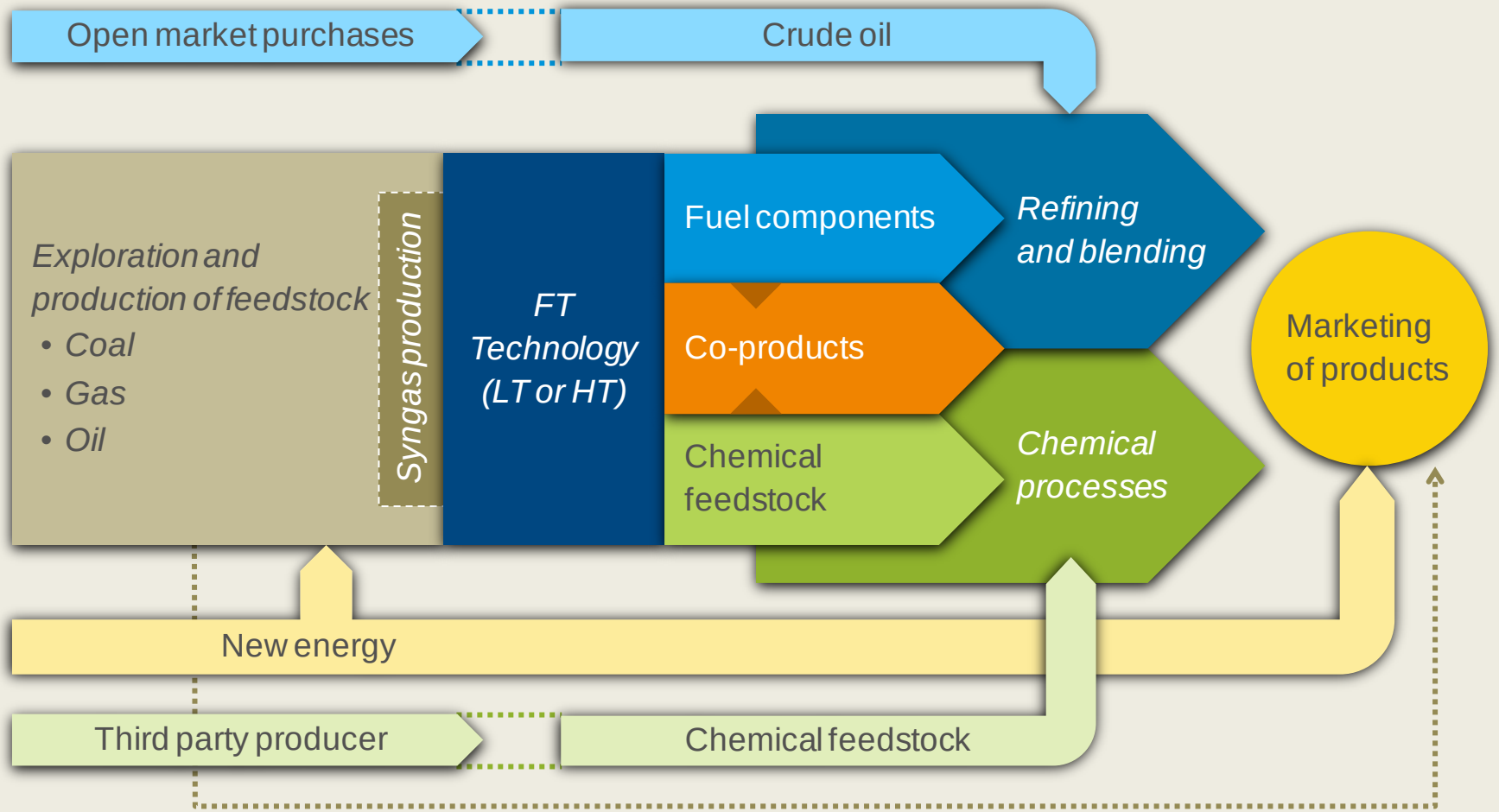
sasol at a glance

- Sasol is an integrated energy and chemicals company
- World's largest producer of synthetic fuels -
- Pioneer in gas-to-liquids (GTL) and coal-to-liquids (CTL) technology
- 60 years' experience in CTL and GTL
- ~255 engineering and science PhDs
- Strong intellectual property portfolio (372 registered patent families)
- New Chief Executive, David Constable (an Albertan) from 1 July 2011
- Sasol Canada office established in Calgary
- $2 billion Montney gas acquisitions completed

- Turnover US$20bn[1]
- Market cap ± US$30bn
- Listed on JSE (SOL) and NYSE (SSL)
- Present in 38 countries
- ~34 000 employees world-wide

1 Financial year 2011

Sasol's integrated business model



Main Sasol businesses

Sasol Limited

South African energy cluster	International energy cluster	Chemicals cluster	Specialist services
Sasol Mining	Sasol Synfuels International	Sasol Olefins & Surfactants	Sasol Technology
Sasol Synfuels	Sasol Petroleum International	Sasol Polymers Sasol Wax	Sasol Financing
Sasol Gas	Sasol New Energy	Sasol Solvents	
Sasol Oil	Sasol New Business Development		




Global footprint

Upstream asset portfolio

- South Africa
- Mozambique
- Canada
- Gabon
- Nigeria
- Papua New Guinea
- Australia
- São Tomé and Príncipe

GTL operations & projects

- Qatar
- Nigeria
- Uzbekistan
- Canada

CTL operations & projects

- South Africa
- China
- India

Chemical operations

- South Africa
- USA
- Germany
- Italy
- Iran
- Malaysia
- China

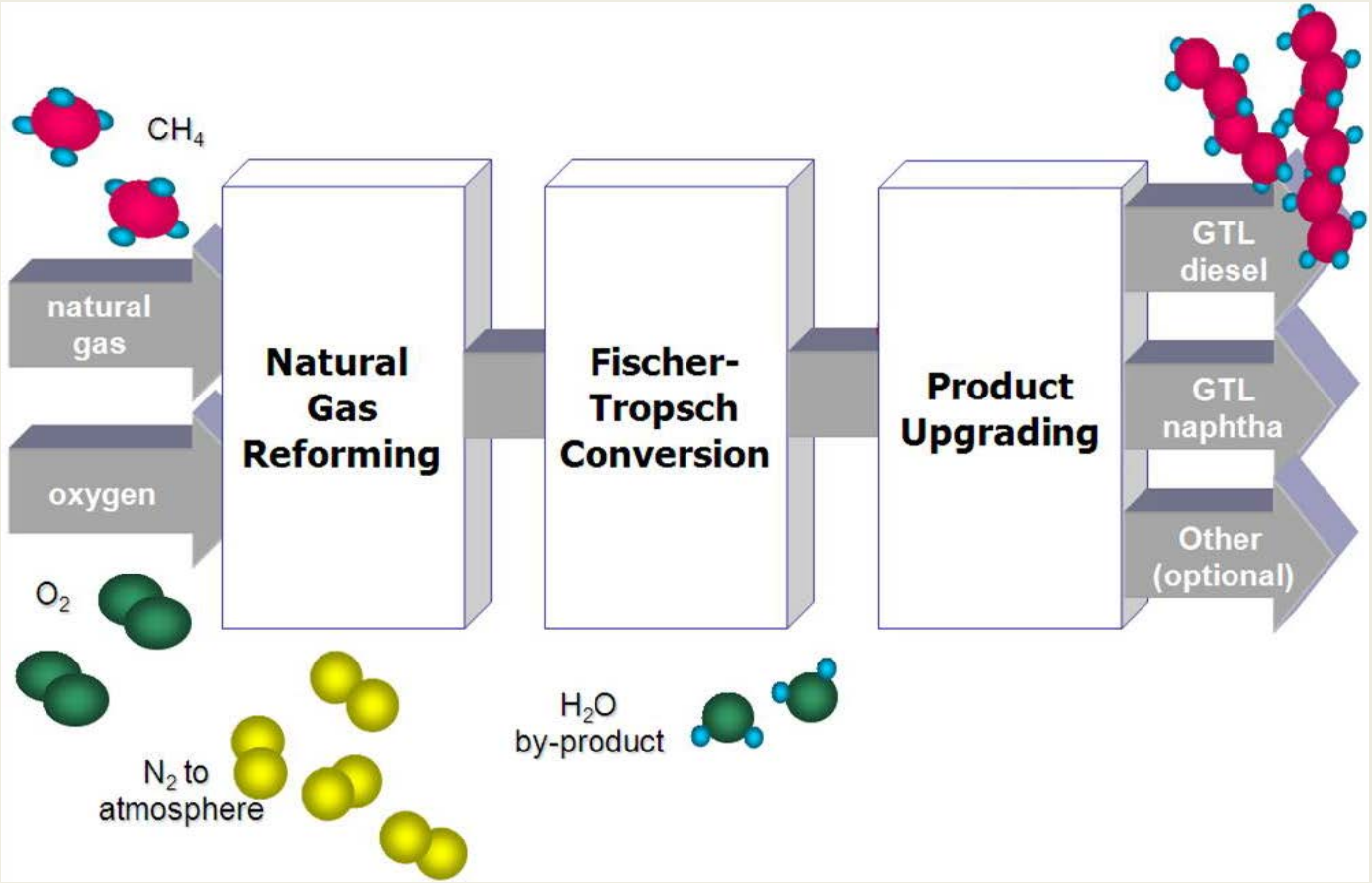
Sasol's business model requires focus on technology

Research and Development capacity

- Corporate R&D located mostly in Sasolburg (590 employees)
  - PhDs 117
  - MSc: 105
- R & D centers also in eg
  - Secunda (30 employees)
  - Netherlands (9 employees)
  - Scotland (22 employees)
  - Cape Town (12 employees)
- External research collaboration:
  - Local Universities
  - Foreign Universities
  - Various Research Institutes

What is GTL?

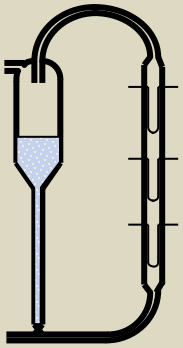
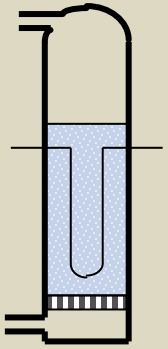
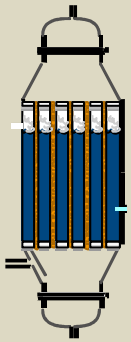
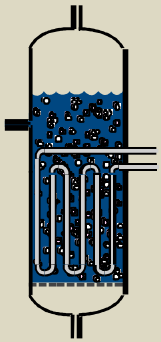
The GTL process



Evolution of Sasol FT reactors

High temperature (350°C)
gasoline & olefins

Low temperature (250°C)
waxes & diesel

synthol	advanced synthol
	
	
arge	slurry

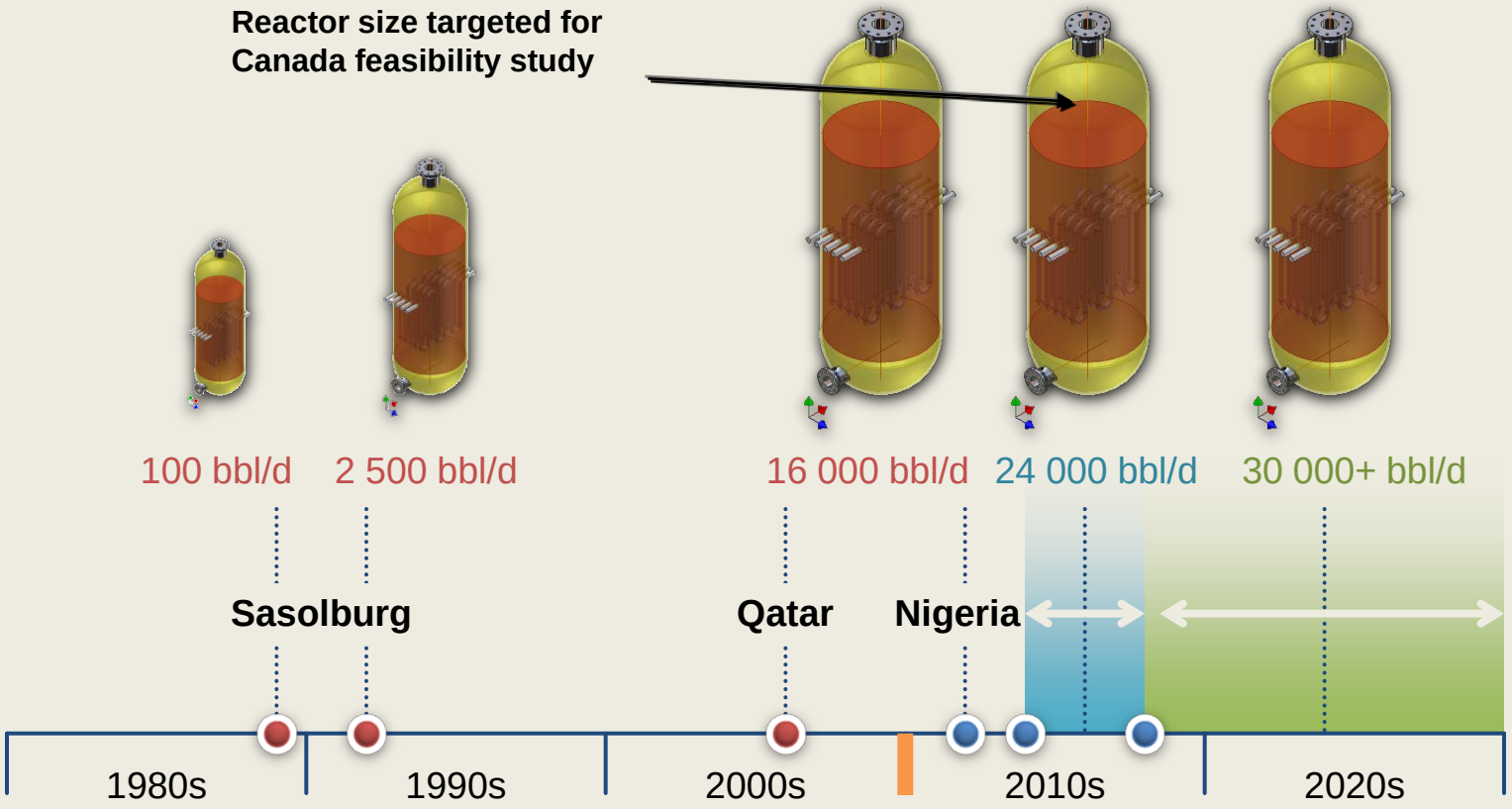
Conventional technology | Advanced technology

Using advanced technology to add value to hydrocarbon resources

Evolution of LT FT reactors

The future of Sasol SPD™* technology

Reactor intensification – history and future

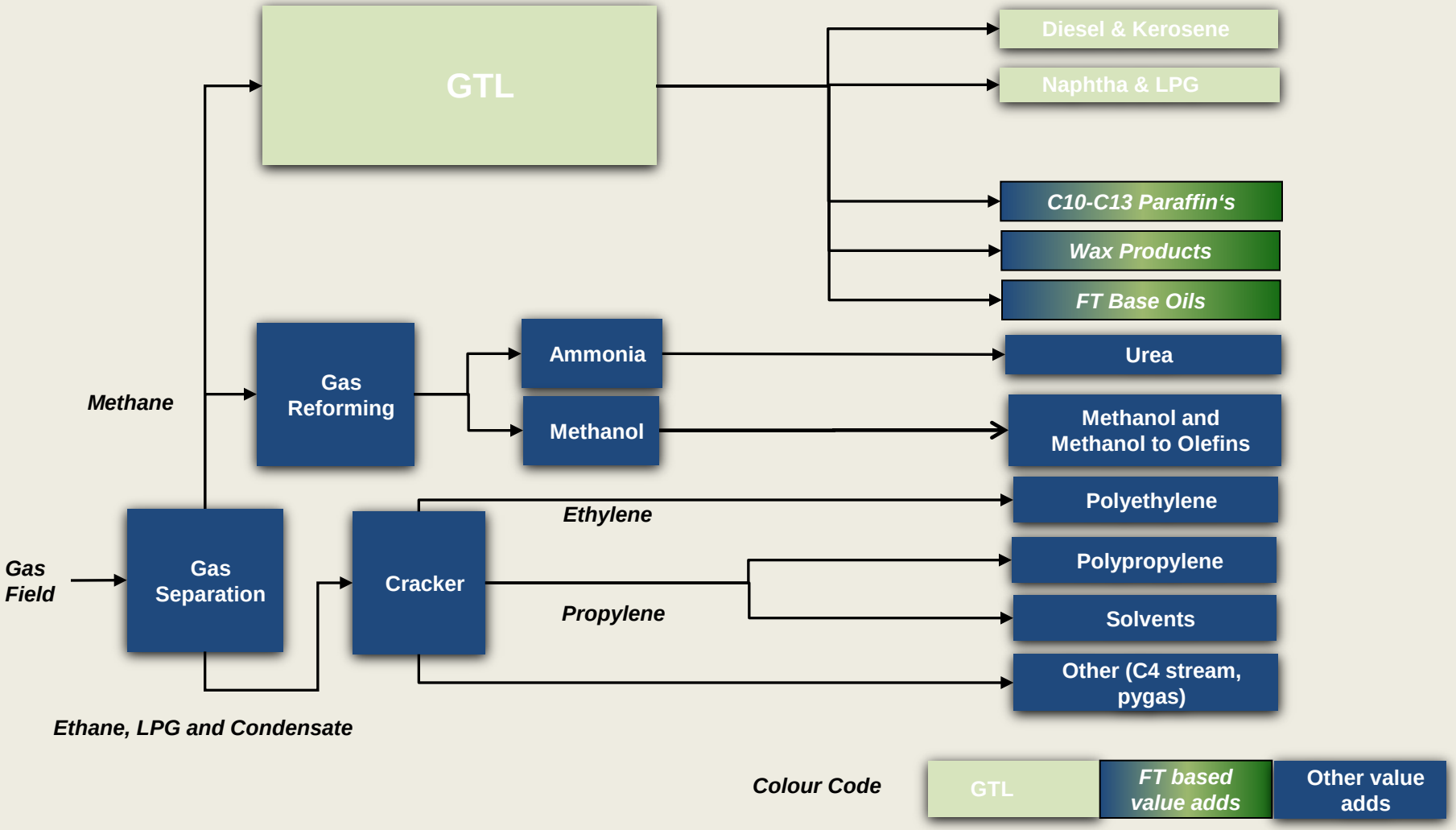


*** SPD™ = Slurry Phase Distillate**

Enhanced performance through increased volumetric conversion efficiency to support multiple train, large scale GTL facilities

GTL products and value addition

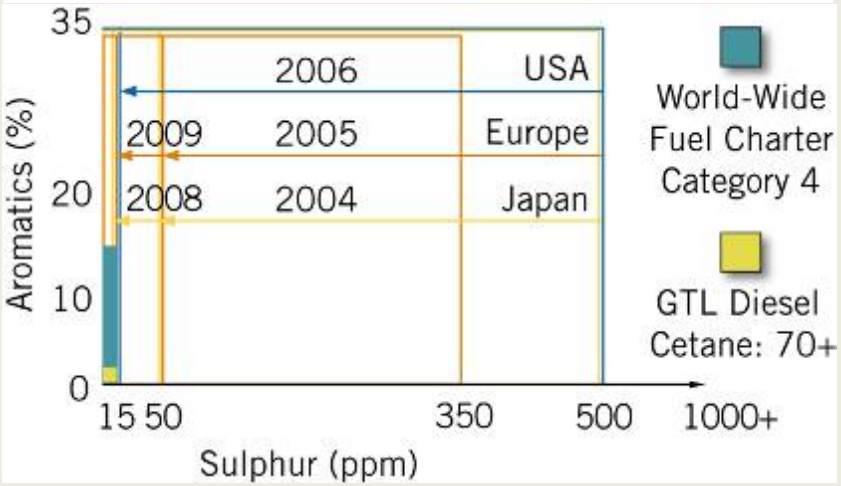
Value adding expansion potential



GTL products

Superior quality fuels: diesel

- Colorless, clean burning fuel for use in diesel engines
- High cetane number, virtually sulphur and aromatics free
- Can be used “pure” or as blend with conventional diesel
- Compatible with existing engine technology and distribution infrastructure
- Enables the development of new generation internal combustion engine technologies with improved engine efficiency and further reduction of vehicle pollutant emissions



Synfuels industry in South Africa today

Sasol Synfuels

- Coal-fed, supplemented with natural gas
- Capacity: 160 000 bpd crude oil equivalent

PetroSA

- Sasol licensed technology
- Natural gas-fed, some condensate
- Capacity: 45 000 bpd crude oil equivalent

Total Capacity:

205 000 bpd (~ 10 million tpa) crude oil equivalent

Sasol II & III
160 000 bpd

PetroSA
45 000 bpd

Synfuels industry supplies ~30% of SA transport fuel consumption

INTERNATIONAL COMMERCIALISATION OF SASOL's GTL TECHNOLOGY: ORYX GTL

- Shareholding: Qatar Petroleum 51%: Sasol 49%
- 32,400 bbl/day nameplate capacity
- Production of GTL diesel, GTL naphtha and LPG
- GTL gas feedstock ~ 330MMscf/d

ORYX GTL: an update

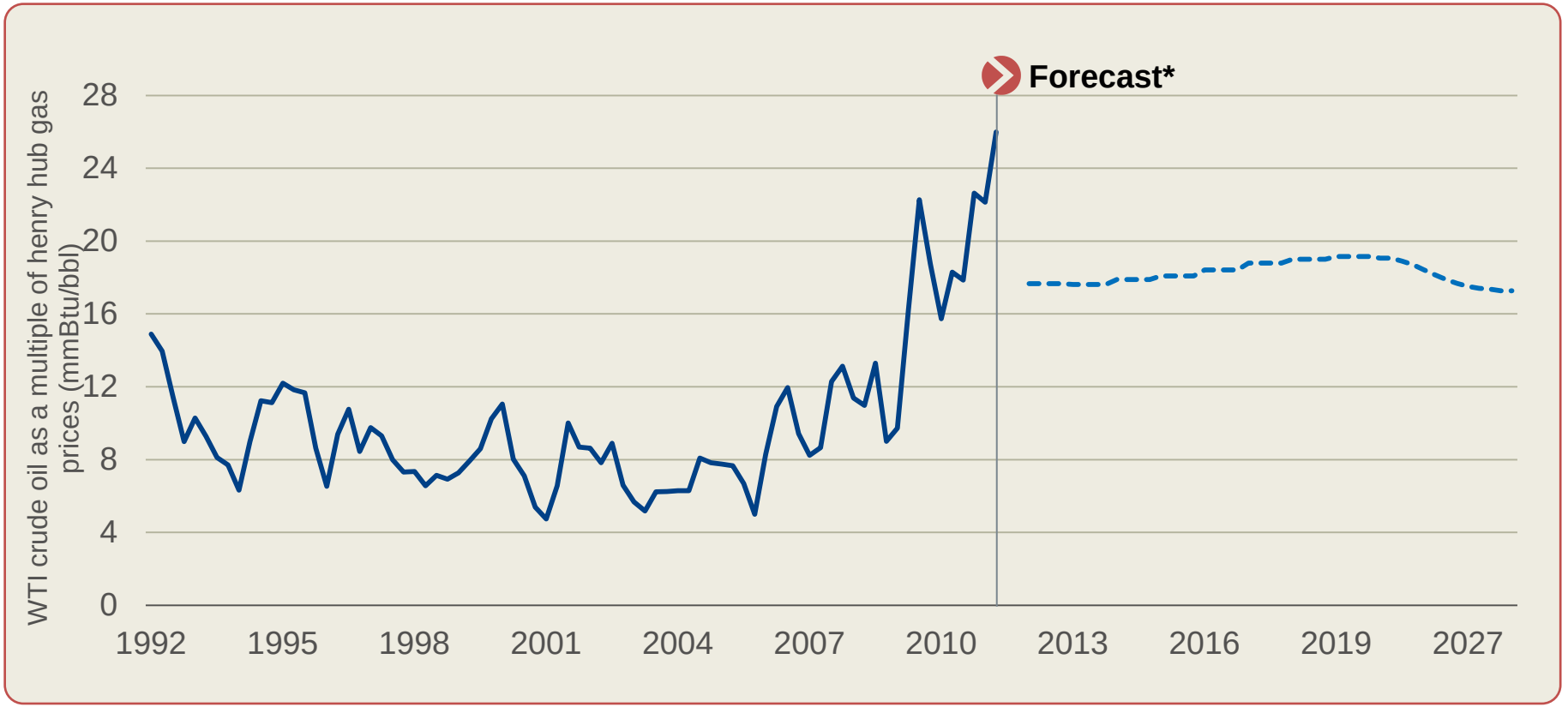
- Largest low temperature commercial scale GTL plant in the world when commissioned
- First GTL project to be project financed
- Winner of two international financing awards
- Largest auto-thermal reformers in the world
- Largest slurry phase Fischer-Tropsch reactors in the world
- World's largest air separation units
- World class safety record
- Operational results and financial contribution to shareholders gratifying

Progress Photographs

EGTL Site View

GTL an attractive economic proposition in north america

Crude oil prices expressed as a multiple of natural gas prices



* source: EIA

GTL in Western Canada

An attractive value proposition to create economic growth

- *Sasol / Talisman US$60m GTL feasibility study on track for completion by the second half of 2012*
- *Initial indications are that a 96 000 bbl/d GTL plant will:*
  - *Add significant value in province to natural gas*
  - *Create 750 – 850 direct jobs to operate and support plant*
  - *Create 5500 jobs during peak construction*
  - *Contribute significant economic multiplier and macro-economic benefits*
  - *Add an innovative commercially proven upgrading technology*
  - *Enable the creation of a new value adding sector*
- *Value proposition formed basis for favourable enabling incentives in all jurisdictions where GTL / CTL plants have been built*

Recent Sasol GTL developments

- Louisiana GTL feasibility study announced in September 2011
  - Expedited regulatory approvals
  - Significant incentives
  - Labour and construction costs competitive
  - Synergies with existing Sasol facilities in Louisiana
- Uzbekistan GTL feasibility study completed – FEED phase entered
- Sasol has the capacity to develop the above projects and the Canada GTL project

Thank You

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