



Joint Qatari-Japanese Energy Seminar

September 29, 2010 Tokyo, Japan

Presented by Rashid Al-Fehaidi, Project Director



ORYX GTL VISION

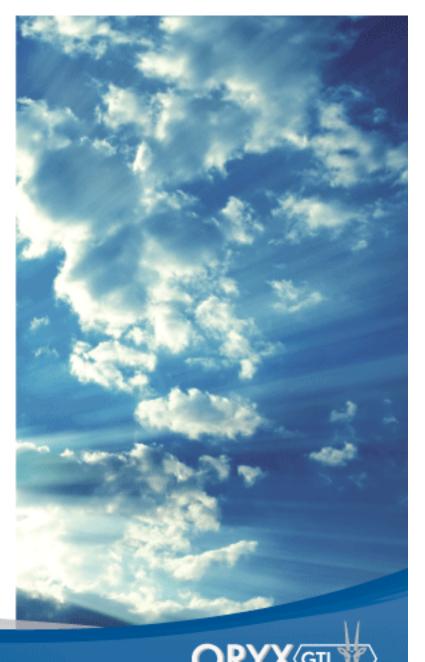
We aim to be an integrated energy company globalizing premium, environmentally friendly GTL products.

ORYX GTL VALUES

People: ensuring that all staff are treated with respect and dignity.

We actively pursue stakeholder satisfaction.

Sustainable development: Create a culture of operational excellence and continuous improvement in a zero harm manner. Integrity: We shall base our actions on a consistent framework of honesty, fairness and discipline.



أوريكس لتحويل الغاز إله سوائل المحدودة





What is GTL?



- Broadly, GTL is a process that converts natural gas to an *easily transportable* liquid product
- In practice, GTL is synonymous with the Fischer-Tropsch process

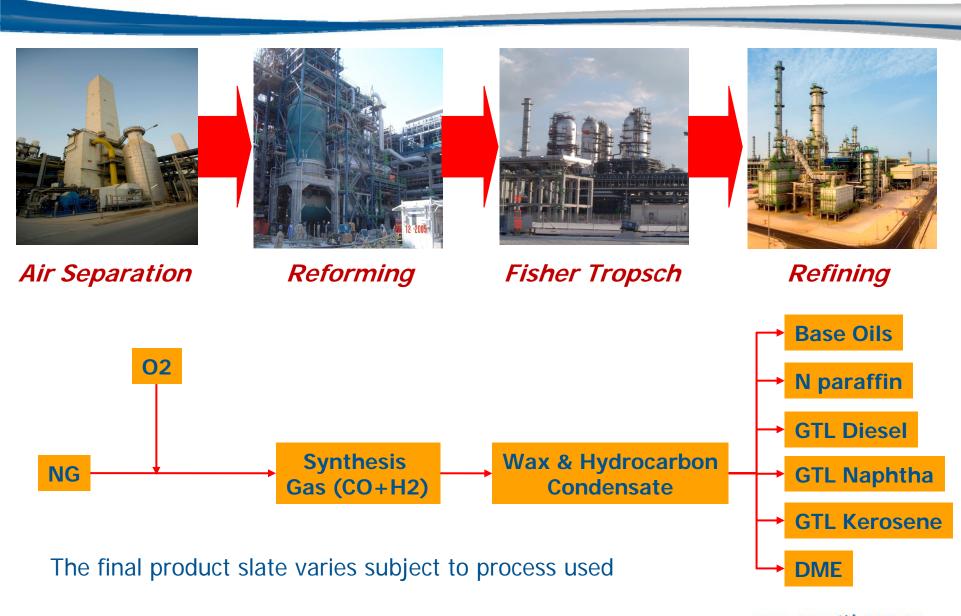






GTL – Basic Process





Feed and Products





330 MMSCF/d Natural Gas



1 000 bbl/d LPG

22 400 bbl/d Diesel

9 000 bbl/d Naphtha



25 000 bbl/d (160 m3/hr)
Irrigation Water

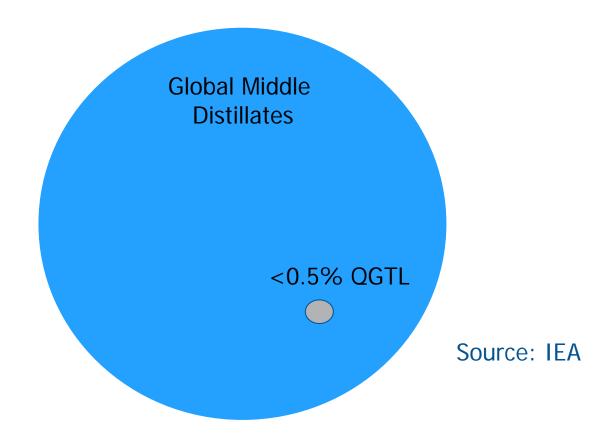
Ras Laffan Industrial City supplies:

- Desalinated water
- Power
- Sea Cooling water



Middle Distillates – A Growth Market ORYX (51)

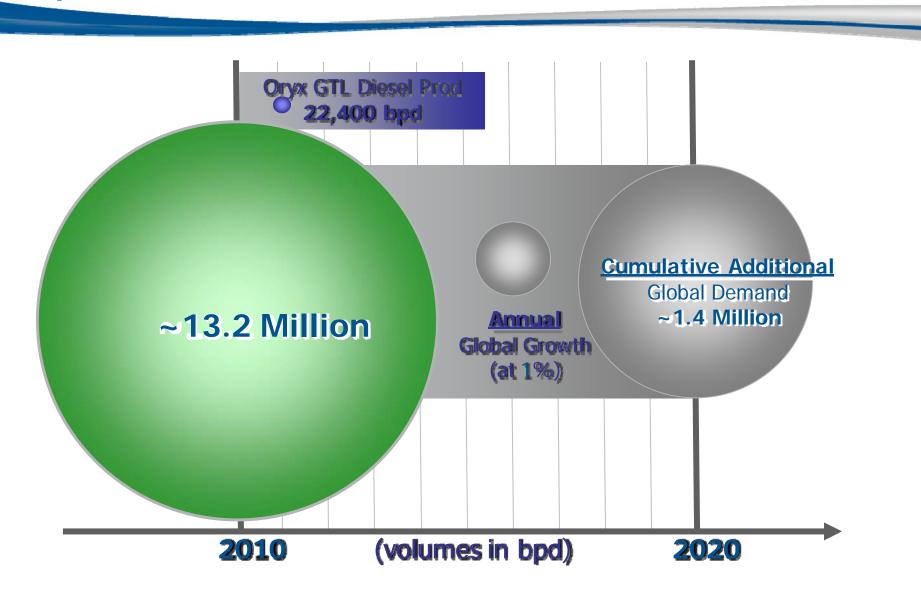




• 32 million bpd global middle distillates (IEA) – 0.5% includes ORYX GTL and Pearl GTL total volumes

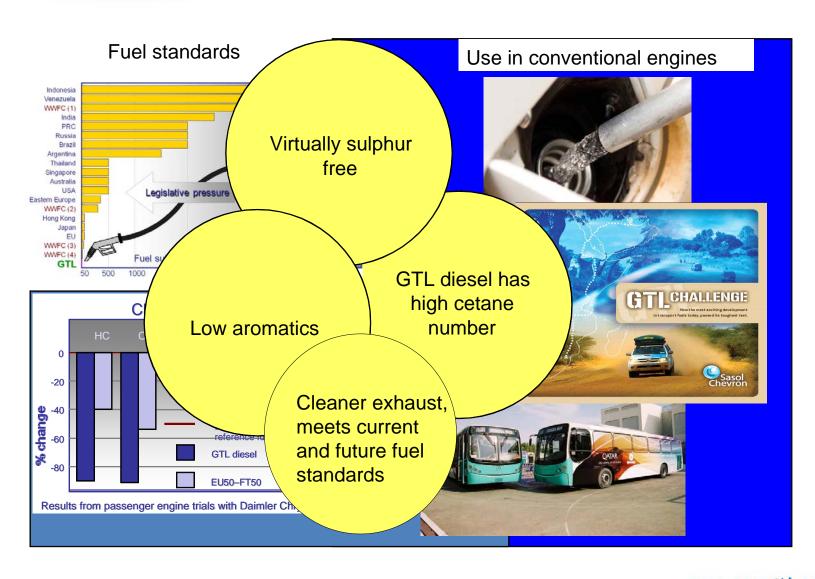
Liquid Fuels





Nature of GTL Diesel





Nature of GTL Diesel





Comparison of engine oil using neat GTL diesel and conventional diesel

Nature of GTL Naphtha



• GTL naphtha:

- An excellent feedstock for steam crackers
- High paraffinic content
- Has a low coking/fouling rate for furnace tubes during cracking
- Virtually free of aromatics and sulphur

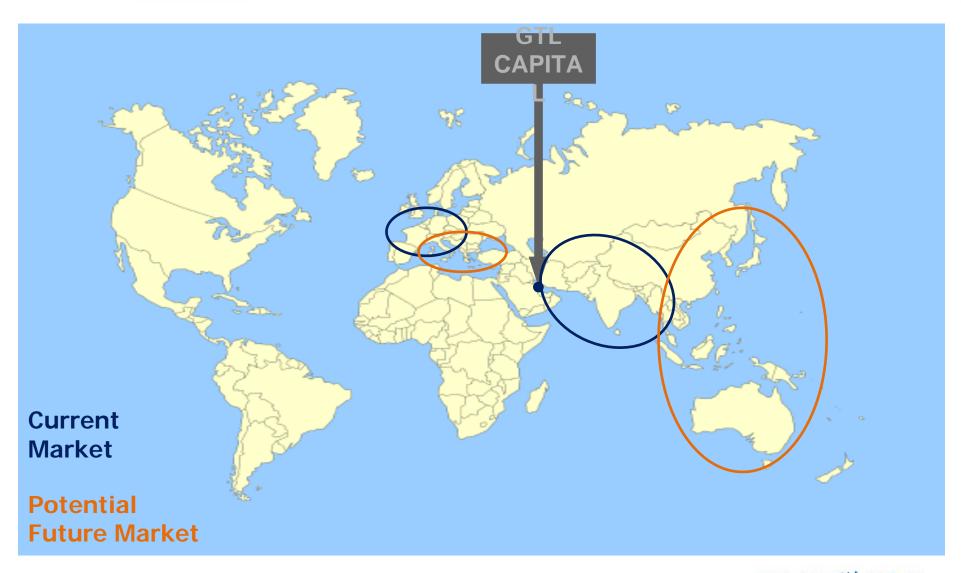
Marketing



- Sold over 21 million barrels of GTL products
- Combination of Term and Spot sales agreements
- ORYX GTL plans to commence its own marketing activities beginning 2011
- Our GTL diesel successfully registered with REACH program

Marketing





Growth Programme



 Debottlenecking project feasibility and FEED in progress to increase plant thruput capacity by up to 10% (thruput of approximately 32,000 bpd achieved to date)

Future Development



ORYX GTL also exploring all potential technologies to enhance and increase the product slate through value add projects such as:

- Wax extraction
- LAB
- N paraffins
- Jet fuel

Synthetic Jet Fuel



The world's 1st flight on internationally approved fully synthetic jet fuel took place on September 21, 2010 in South Africa







Closing Remarks



- Development of GTL is complementary to Qatar's gas based industry
- GTL provides a valuable export product
- Increases the value addition potential 'in country' and could provide access to new, growth markets
- GTL was good decision for Shareholders, all project economics exceeded initial assumptions



we make GTL the c



どうもありがとう Thank You