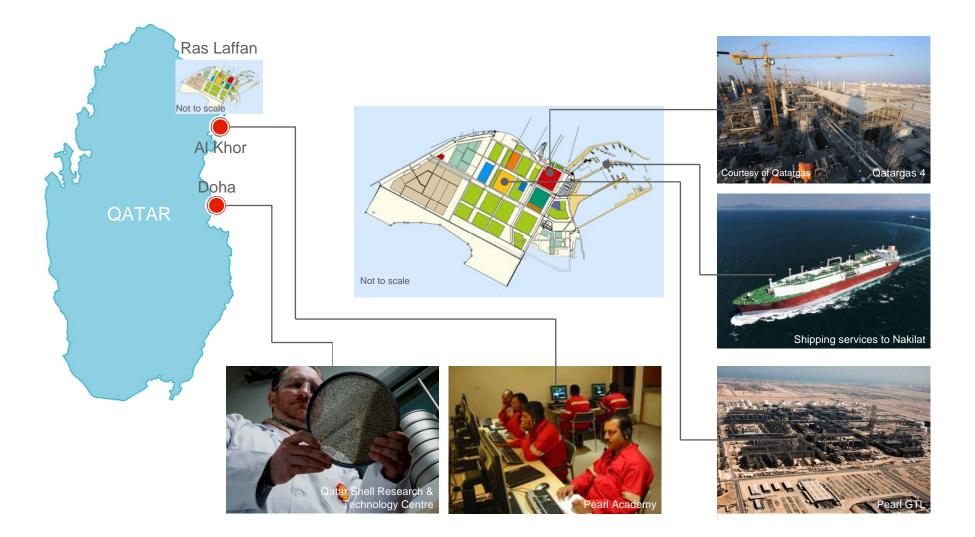
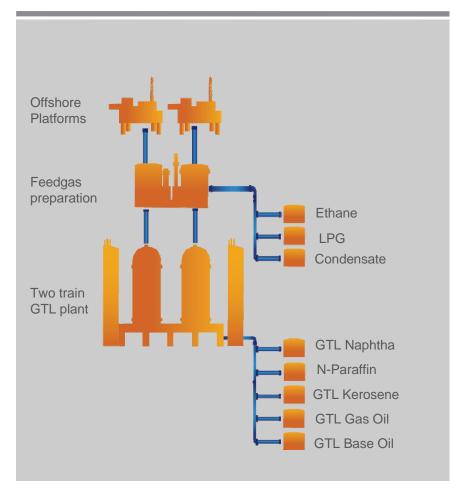


Andy Brown Executive Vice President

QATAR – A GREAT PLACE TO INVEST – \$0 TO \$20BLN IN 5 YEARS



PEARL GTL INTEGRATED GAS TO LIQUIDS PROJECT



- 1.6 Bcf/d of wet gas: 260kbbl/d of products
 - 120 kbbl/d NGLs/ethane
 - 140 kbbl/d GTL products
- Major construction complete Q4 2010
- 2011 start up 2012 full production
- ~\$18-\$19 billion development cost *
- Profit sharing contract
- 100% Shell in partnership with Qatar Petroleum

Full integration from offshore to refined products

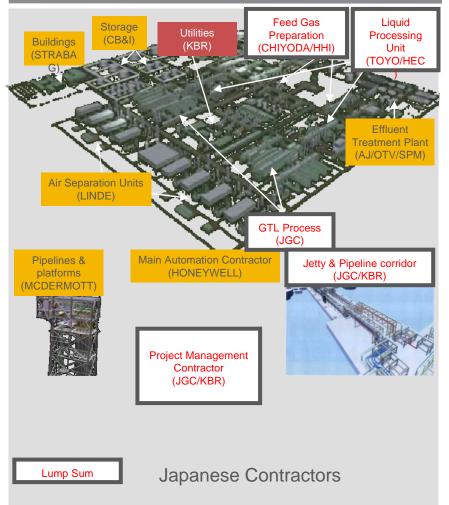
PEARL GTL – THE WORLD'S LARGEST OIL AND GAS CONSTRUCTION SITE





PEARL GTL CONTRACT PARTNERS – JAPANESE ROLE

CONTRACTOR OVERVIEW



- 50,000 workers at peak
- Unique project scale + operating environment
- Multiple lump-sum contractors
- Shell & Project Management Contractor (PMC)
- Japanese contractors involved in >50% of



C6G – GAS TO LIQUIDS MAIN PROCESS

- GTL is constructed by JGC under an Reimburseable EPCM Contract
 GTL process plant convert natural gas and oxygen into GTL waxes, it houses 24 of the largest reactors on site, weighing 1200 tonnes each.
- •Total forecasted numbers:
- Concrete: 110,000 m3
- Steel & Pipe: 77,000 tonnes
- E/I cabling:1,600km
- Spent over 1.9 million hrs in home office and
 92 million hrs on site
- •HSSE record of 40 million hours without an
- Lost Time Incident





C4 – FEED GAS PROCESSING (FGP)

- FGP is constructed by CHC (Chiyoda / HHI Consortium) under a Lump Sum Contract
- Total forecasted number:
 - Concrete: 101,000 m3
 - Steel & Pipe: 44,000 tonnes
 - E/I cabling: 3,300km
- Spent over 2.3 million home office hours and 49 million hrs construction
- HSSE record of 23 million manhours without an Lost Time Incident,





C5 – LIQUID PROCESSING UNIT (LPU)

- LPU is constructed by THC (Toyo/ Hyundai E&C) under a Lump Sum Contract
- LPU is the plant's refinery converting GTL wax to finished products, with one of the world's largest hydrocrackers and steam methane reformers
- Total forecasted number:
 - Concrete: 36,000 m3
 - Steel & Pipe: 36,000 tonnes
 - E/I cabling: 1,500 km
- Spent over 1.7 million home office hours and 35 million hrs construction
- HSSE record of 24 million hours without an Lost Time Incident



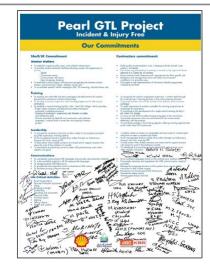


TEAMWORK AT LEADERSHIP LEVEL

ONE PROJECT – ONE TEAM

- Leadership commitments reaffirmed at regular CEO summits – five held so far
- Forging a "One Project One Team" mindset
- CEOs reinforced their commitment to
 - Safety and welfare
 - Productivity
- Cooperation and quality in finishing COMMITMENT CHARTERS











IMPROVING WELFARE IN PARTNERSHIP WITH QP BUILDING A COMMUNITY – DELIVERING PERFORMANCE

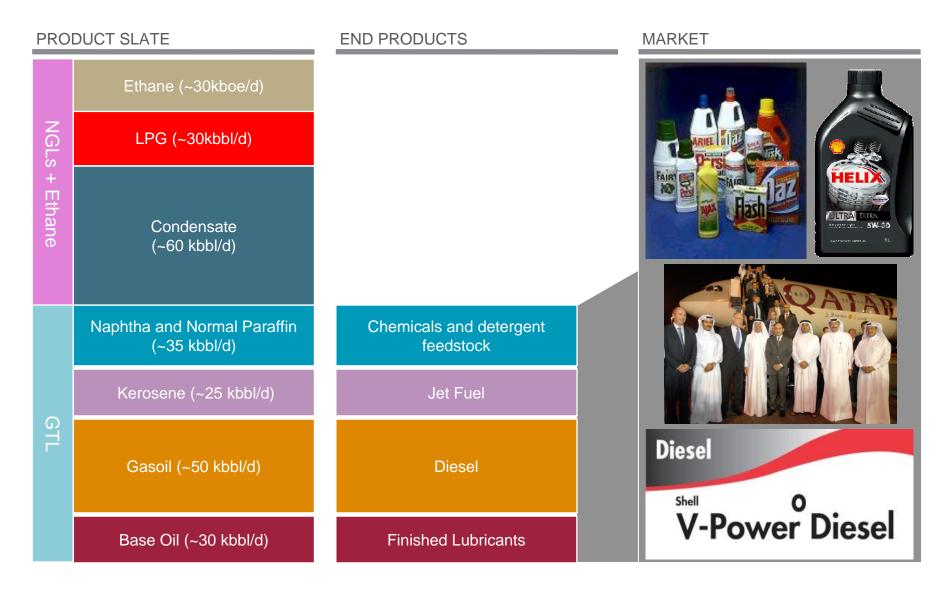


Focus on Safety & Welfare

Pearl Village – 40,000 workers Training Centre – 200,000 courses Recreation, culture, well being World class safety – 77 mln hrs LTI free



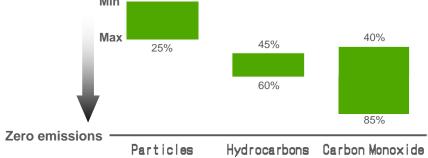
PEARL GTL PRODUCTS OVERVIEW



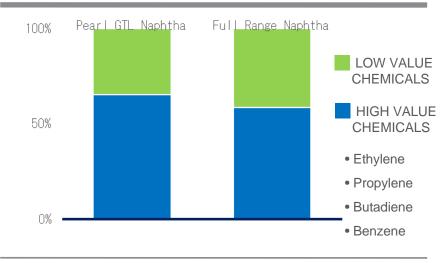
GTL PRODUCTS ADVANTAGE

CLEANER BURNING + SMOKELESS GTL FUELS

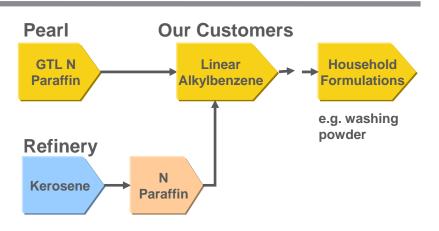
Emissions improvement range for light duty diesel engines vs. refinery diesel



HIGHER VALUE NAPHTHA FEEDSTOCK



GTL N-PARAFFIN: A COST EFFECTIVE FEEDSTOCK



- GTL Fuels Cleaner Burning
- GTL N-Paraffin cost effective detergent feedstock generates premium over Kerosene
- GTL Naphtha is a higher value feedstock for chemical manufacturing

IN MARKET PARTNERSHIP - SYNTHETIC FUEL IN TOKYO (MOU signed between TMG, Toyota-Hino, Showa Shell & Shell on Nov 2008



- Successful field demonstration of GTL with Hybrid buses used for public transportation services (Toei Buses) in 2009
- Local emissions benefits
- Particulate trap stress reduction
- •Noise benefits on transition between electric and engine
- Semi-optimised engine
- Ease of refuelling, lower odour and better touch

Currently expanding the use of Synthetic Fuel* in other Toei Buses with conventional engine (July 2010).

*Synthetic Fuel is a blend of GTL & HVO fuels.

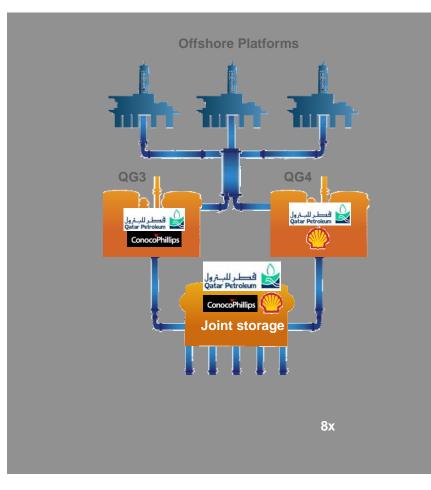








QATARGAS 4



1.4 Bcf/day Wet gas : ~280 kboe/d
7.8 mtpa LNG
~70 kbbl/d NGLs/Ethane
Construction complete Q4 2010
2011 ramp-up
\$2 billion development cost*
Tax & royalty contract
30% Shell, 70% Qatar Petroleum

Full integration from offshore to LNG offtake

WORKING IN PARTNERSHIP WITH QATARGAS



Joint Asset Development Team

• 40 Shell secondees supplementing Qatargas capabilities

OPERATIONS



Helping Qatargas Operating Company

•COO Operations

•Maintenance Manager

•Engineering Manager

•Terminal Manager

•> 30 secondees



Nakilat

Qatar Gas Transport company
25 LNG Tankers under Shell operational management

•1200 Officers and crew recruited and trained



SPA Delivery

DubaiChinaFurther opportunities

Pictures by courtesy of Qatargas

QATAR (QPI) & SHELL TAKING THE PARTNERSHIP GLOBALLY...



MOU signing, June 2007



Proposed complex, China







Nov 2009

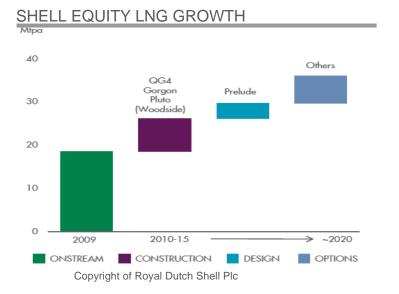
SHELL IN QATAR - A STRONG & LASTING PARTNERSHIP WITH QP



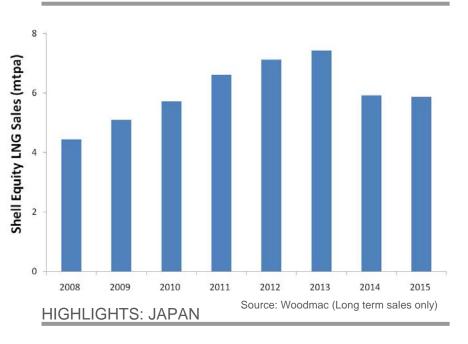
SHELL PARTNERSHIP IN GLOBAL LNG – JAPAN



SHELL GLOBAL LNG PORTFOLIO



SHELL EQUITY LNG SALES: JAPAN



• Shell equity LNG accounts for 8 to 9% of the current Japanese imports

GAS AFFORDABILITY ATTRACTIVE ECONOMICS FOR ELECTRICITY PRODUCERS

Gas plants more energy efficient

than coal plants

- 55-60% vs. 34-42%

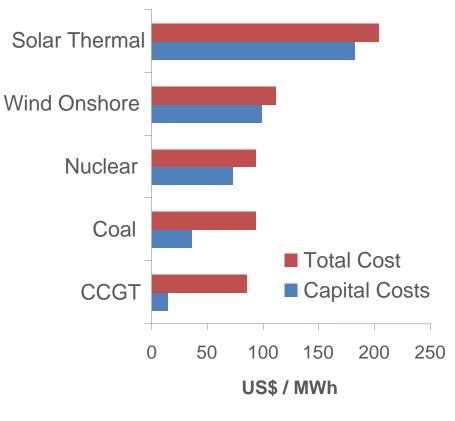
Gas has much lower capital costs per MW installed:

- 50% of coal
- 20% of nuclear
- 15% of wind

key for cash-strapped

economies!

Total cost for gas is the cheapest Coal: \$60/t CO2: \$40/t



CCGT: Combined Cycle Gas Turbine Total Cost = Capital + Fuel + Operating

GAS - ENVIRONMENTAL ACCEPTABILITY

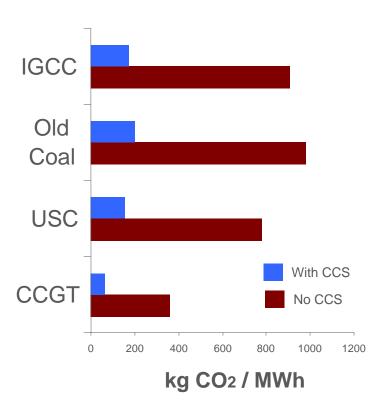
Gas is the cleanest-burning fossil fuel

Gas plants emit:

- 50% less CO2 than a modern coal plant
- 60-70% less CO2 than an old coal plant

There are still hundreds of old coal plants in operation today

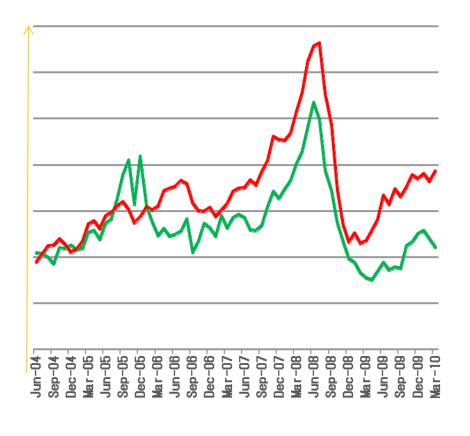
Gas CCS cost \leq coal per MWh



IGCC: Integ	rated Gasification Combined Cycle
Coal	
USC: Ultra Super Critical Coal	
CCGT:	Combined Cycle Gas Turbine Source: Shell Internal Analysis

GTL AN ALTERNATIVE BENEFITING RESOURCE HOLDER AND CONSUMER

GTL AND LNG FINANCIAL PERFORMANCE



- Qatari Government wise decision to invest in GTL production
- GTL provides Qatar with a natural hedge to gas markets



PEARL GTL

LNG AT HH PRICES



