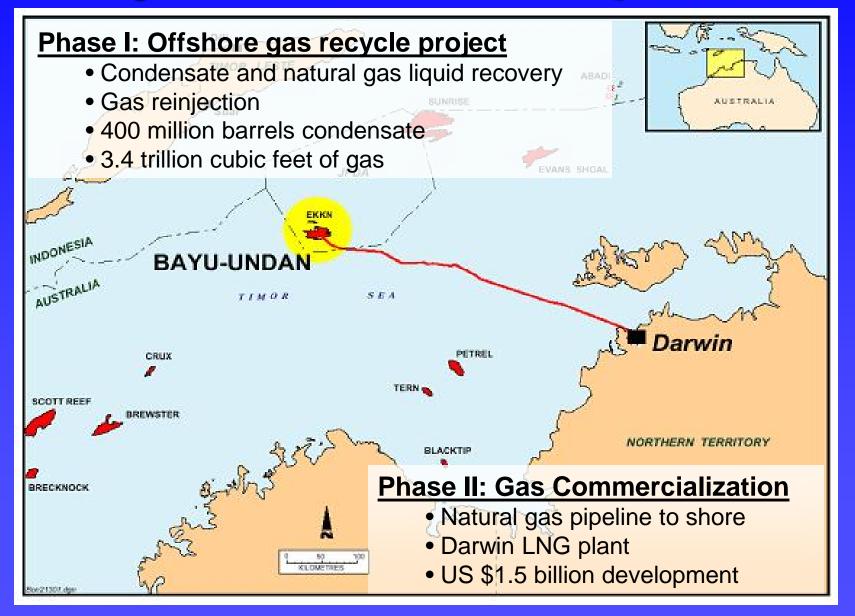




Bayu-Undan Development







Darwin Design Requirements

- Reliable plant design
- Short and certain schedule
- Cost certainty
- Safe and efficient
- Low carbon dioxide emissions



Feb 2006

Discovery to LNG

1995 — Bayu-Undan field discovered

Delineation drilling

1999 — LNG marketing begins in earnest

2000 — Recycle gas project approved

2002 — LNG sales agreement heads of agreement signed

June 2003 — Bechtel given notice to proceed

Feb 2004 — Bayu-Undan began production

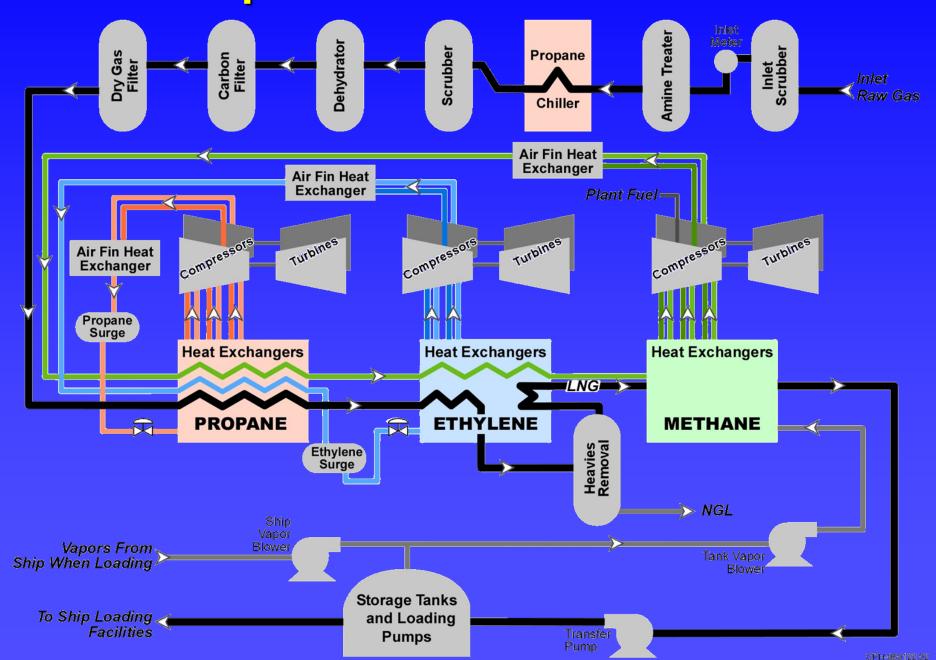
First LNG cargo loaded
 (32 months from notice to proceed)



Darwin LNG Features

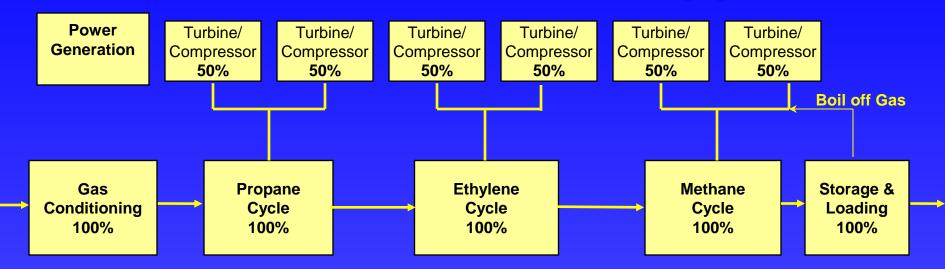
- 3.7 million tonne per annum capacity
- Optimized CascadeSM LNG process
 - Two-in-one turbine design
- Inlet gas in carbon dioxide and nitrogen is high
- Based upon ConocoPhillips-Bechtel Collaboration
 - Bechtel performed design and EPC
 - Lump sum turn key approach
- Completed ahead of schedule and on budget
- LNG marketed to Tokyo Gas and Tokyo Electric

The Optimized Cascade[™] Process





COP Two-Trains-in-One Approach



>95%

Overall Plant Production Efficiency
Operating Range (% of design)

- Full Plant 80 105%
- One Turbine Offline 60 80%
- Three Turbines Offline* 30 60%

*At least one turbine on each cycle must be operating

• Plant Idle 0 – 30%

Maximum plant availability with operating flexibility



Darwin Firsts

- Aeroderivative turbines for refrigeration
 - Water injection for low NOx
 - Media based evaporative cooling for power augmentation
- Integrated nitrogen rejection facilities
- Process heat supplied from turbine exhaust
 - Amine regeneration
 - Molecular sieve regeneration
 - NGL recovery system
 - Inlet gas pre-heater
- Propane sub-cooling integration
- Loading and vapor lines of vacuum insulated pipe



Advantages of Aeroderivatives

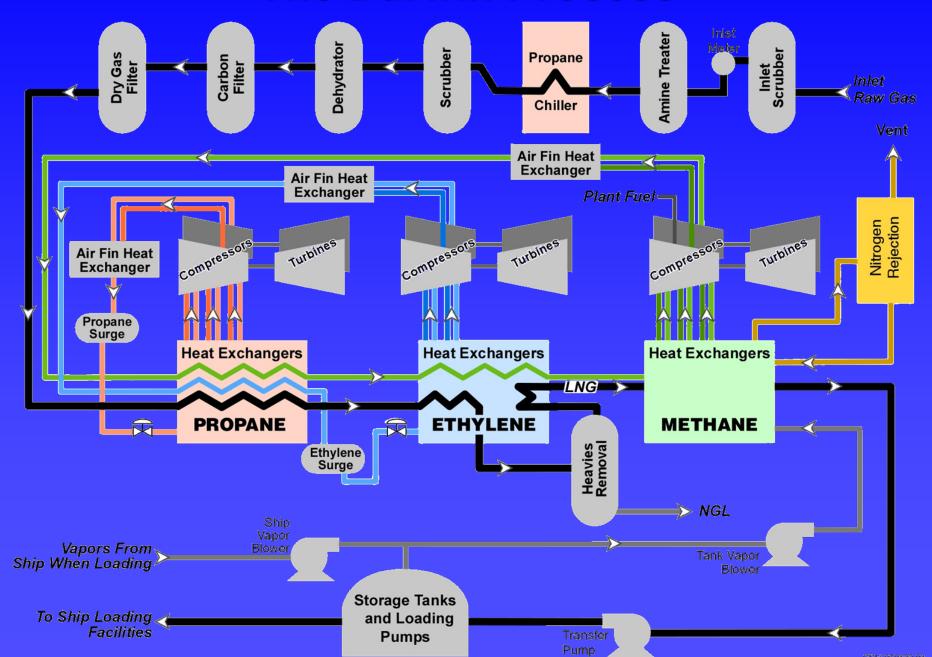
- Low fuel consumption
 - Lower fuels costs, more LNG
 - Less carbon dioxide emissions
- High availability
 - Turbine replacement in a few days, rather than weeks
- Lower weight
 - Less handling equipment
- Two shaft machines provide operating flexibility
 - Excellent starting torque
 - Startup under settle out conditions
 - Wide speed range provides flexibility



Advantages of Aeroderivatives in the Optimized Cascade Process

- Available turbine sizes match those used in process
- Short scheduled maintenance periods
 - Plant continues to operate with one or more units down
- Plants operate well at 0 to 100% of capacity
 - Turbine maintenance can be opportunistic
- No starting motors required
 - Small power generation requirement

The Darwin Process





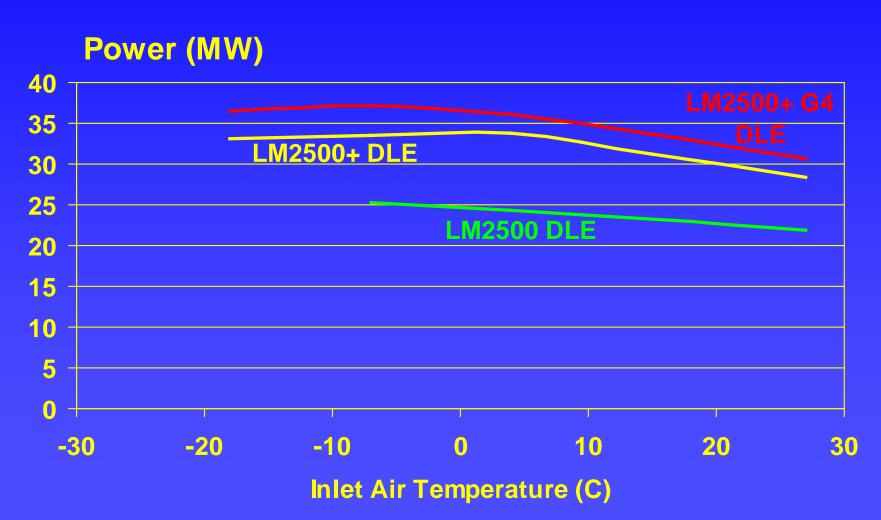
Representative Turbine Performance

<u>Turbine</u>	<u>Shaft</u>	Power (<u>kW)</u>	<u>Efficiency</u>	Fuel Consumption (Indexed)	Scheduled <u>Downtime</u>
Frame 5D	Dual	32,580	29.4%	100	2.6%
LM2500+	Dual	31,364	41.1%	72	1.6%
LM6000	Dual	44,740	42.6%	69	1.6%
Frame 7E	Single	86,225	33.0%	89	4.4%
Frame 9E	Single	130,100	34.6%	85	4.6%

Values are representative



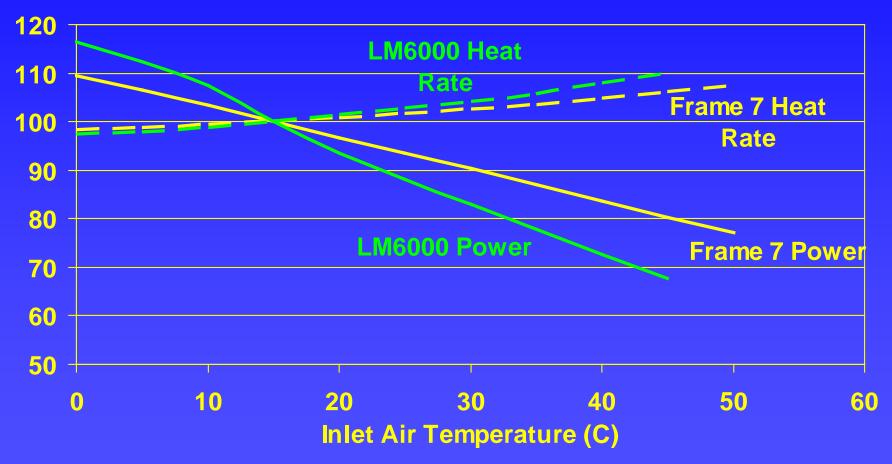
Impact of Ambient Temperature on LM2500 Turbines





Turbine Performance

Power and Heat Rate Index (ISO=100)

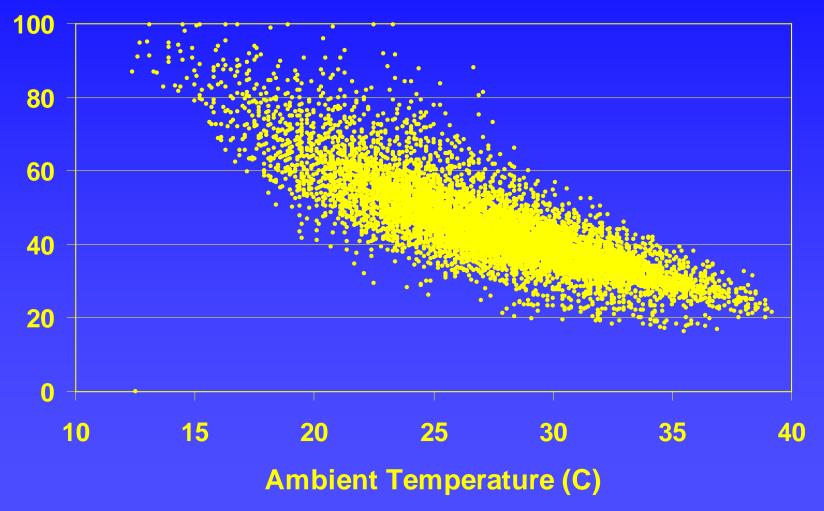


Aeroderivatives are more sensitive to ambient conditions



Darwin Ambient Conditions

Coincident Relative Humidity (%)



Coincident hot and dry conditions occur frequently



Future Improvements

- Upgrade to LM2500+ G4
 - Additional 10% power
 - Less sensitive to high ambient conditions
- New turbine possibilities
 - -LM6000
- Additional inlet air cooling strategies
- Use in floating LNG



Aeroderivative Plant Configurations

Turbine (No. x Model)	Number of Turbines By Service (Propane/Ethylene/Methane)	Nominal Train Size (MTPA)
6 x LM2500+	2/2/2	3.5
8 x LM2500+G4	3/3/2	5
6 x LM6000 DLE	2/2/2	5
9 x LM6000 DLE	3/3/3	7.5



First Year Performance

- First LNG two months ahead of schedule
- Few issues during turbine startup
- LNG production in 2006 exceeded target
- Plant production efficiency exceeded 95% since turnover



