Gas and Process Division



Smart and Clean

- Capital Markets Day 2006
- Dré Schmitz, President Gas and Process Division

AtlasCopco































Traditional steam turbine powered LNG of 135 - 145 tm3 is virtually a thing of the past The majority of new ships currently being specified are 210-217 tm3 with low speed diesel and on board reliquefaction 150-180 tm3 with dual fuel diesel electric propulsion Forecast 2006 - 2011 Steam 19 vessels (14%) → 76 compressors Dual fuel 69 vessels (50%) → 276 compressors Reliquefaction 51 vessels (36%) → 306 compressors

SHIP'S PROPULS	ION SYSTEM	STEAM TURBINE	DUAL-FUEL ENGINE	GAS TURBINE	DIESEL & DIESEL ELECTRIC
	L/D compressor, single-stage	1			
COM- PRESSORS	L/D compressor, two-stage		1		
	L/D compressor, multi-stage		1	1	
	H/D compressor, single-stage	1	1	1	1
RELIQUE- FACTION COM- PRESSORS & EXPANDERS	Nitrogen compressor				1
	Nitrogen booster expander				1
	Nitrogen compander				1
	BOG compressor, two-stage				1
HEATERS & VAPORIZERS	L/D gas heaters	1	 Image: A second s	1	
	L/D forcing vaporizer	1	1	×	
	Mist separator		1	1	
	L/D combined vaporizer / gas heater		×	×	
	H/D gas heaters	1	1	1	1
	LNG vaporizer	1	1	1	1
	BO/WU heater	1	1	1	
		(¹)			Atlas Cope



























Gas and Process Division Summary

- LNG demand is growing 8% per year
- The growth is driven by gas power stations
- We have developed the products together with our customers
- Technology can also be used for other applications
- The technology used contributes to a better environment and energy savings

We are committed to your superior productivity through interaction and innovation.

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