

Er	Energy Consumption - Ammonia					
	PLANT TYPE	(Gcal/MT)				
	Gas based	7.56 to 9.90				
	Naphtha based	8.11 to 10.53				
	Fuel Oil based	11.45 to 20.81				
	IFA Vietnam-March 12-14, 2007 7					

PLANT	AVERAGE ENERGY (Gcal/MT)	
25% Most Energy Efficient Plants in India	8.41	
25% Most Energy Efficient Plants in the World	8.49	

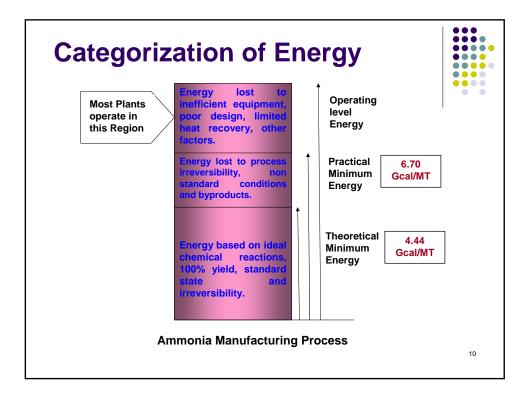
## **Energy Consumption - Ammonia**

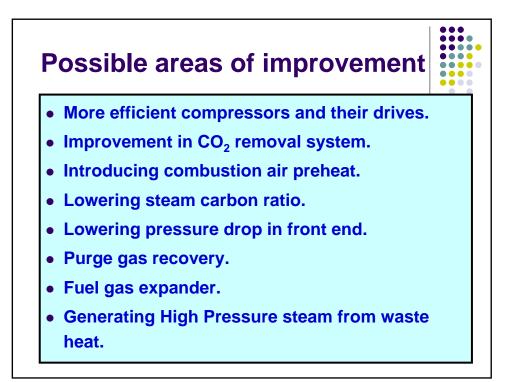


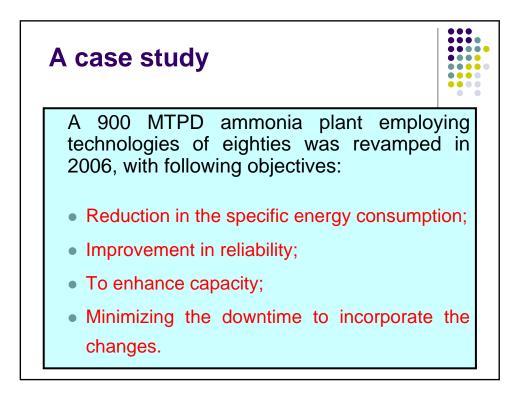
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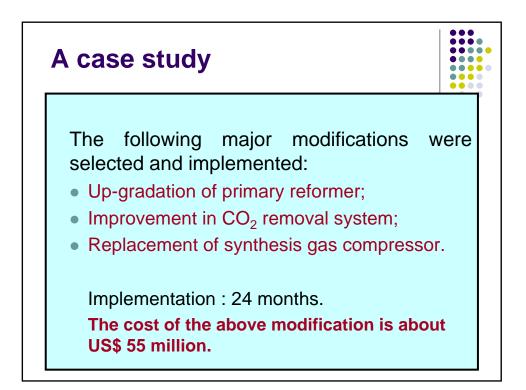
The most energy efficient Ammonia plants in the world produce ammonia at 6.7 Gcal per MT.

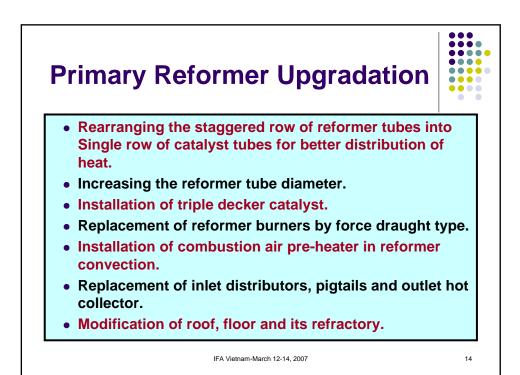
Feed	64%
Fuel	28%
Power	5%
Steam	3%
TOTAL	100%



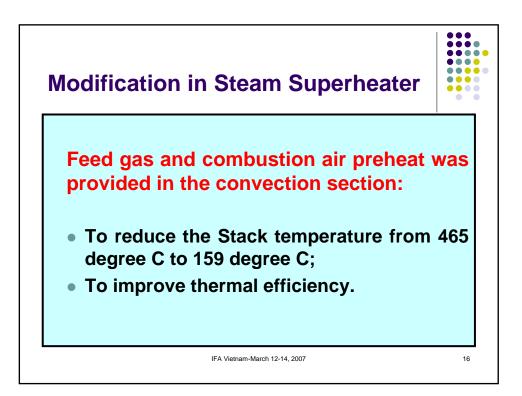




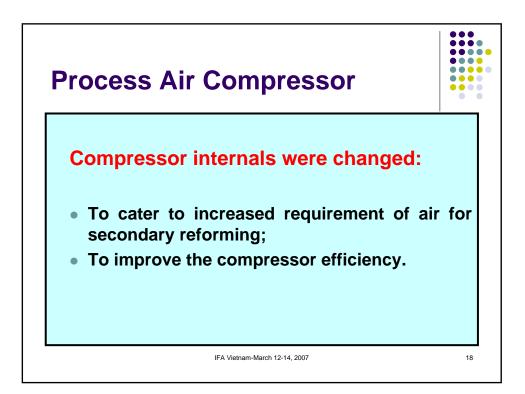


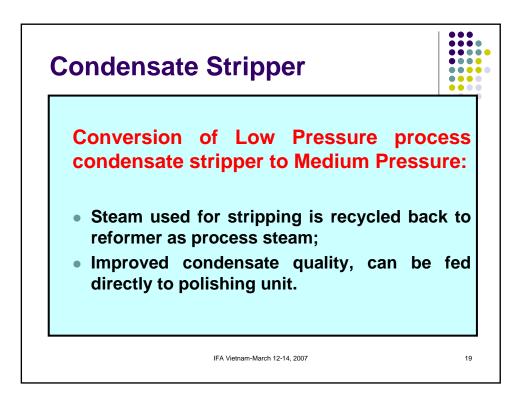


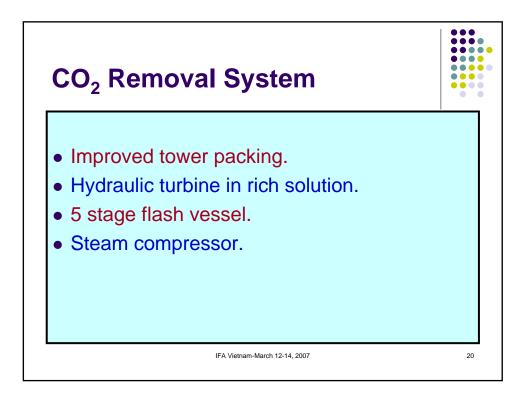


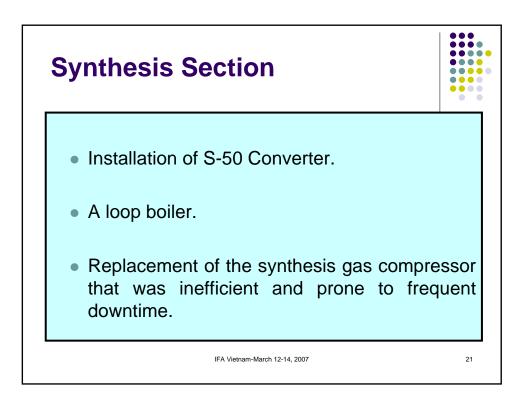








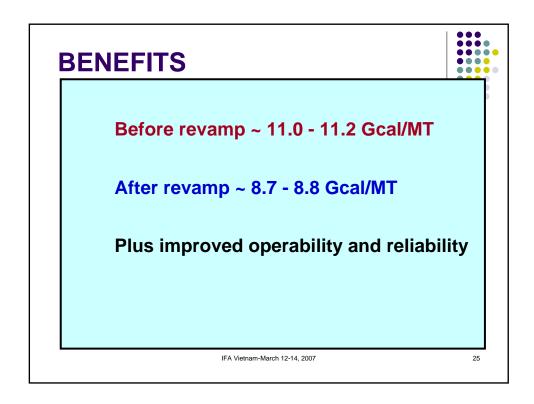


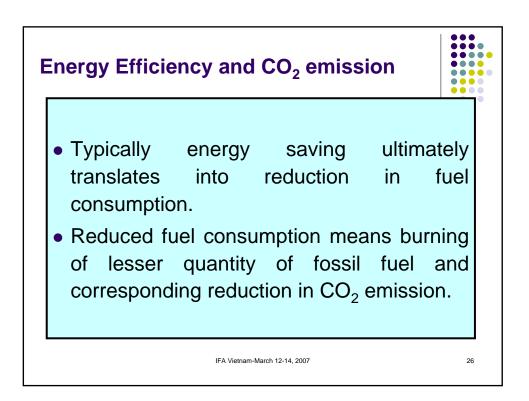


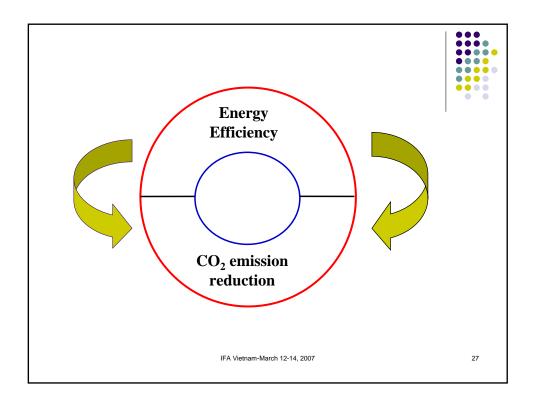


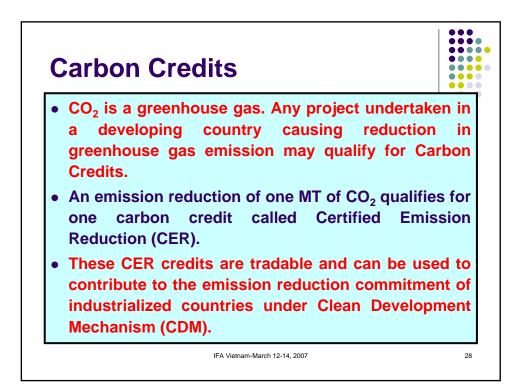


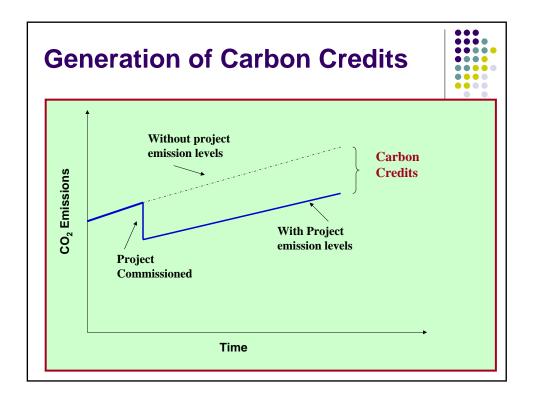
Energy Saving		
Scheme	Gcal/MT	
Primary Reformer	0.63	
Aux. Steam Superheater	0.08	
MP condensate stripper	0.25	
Carbon Dioxide removal system	0.54	
Other schemes (Synthesis, turbines, compressors etc.)	0.76	
Total	2.26	
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CDM - Addi	tionality Criteria	
All these projects shou Development Mechanis	uld satisfy additionality criteria under Cle sm (CDM).	ean
Emission additionality:	The project should lead to measurable and long term Green He Gas reduction.	real, ouse
Financing additionality:	The funding for CDM project act should not lead to diversion of of development assistance.	-
Technological additionality:	Investments should be for newest sound technologies.	and
	IFA Vietnam-March 12-14, 2007	30

