



IMPROVE PERFORMANCE WITH FOOTPRINT REPLACEMENT

Footprint replacement (FPR) is the process of replacing existing compressors and steam turbines with higher efficiency, higher performance machines designed to match the existing footprint with minimal modifications to process piping and foundations.

Mitsubishi Heavy Industries Compressor International (MCO-I) has extensive experience supplying FPR projects for a variety of applications. Backed by Mitsubishi Heavy Industries Compressor Corporation (MCO) engineering, we custom design replacement casings with castings and forgings produced in our own MHI foundries.

BENEFITS OF FOOTPRINT REPLACEMENT

- High performance efficiencies of new compressors and steam turbines allow for significant increases in capacity with reduced energy consumption
- Larger expansions can be implemented at a lower cost per ton of incremental product when compared to projects that re-rotor existing machines
- Installation is designed to increase operating margins and allow for additional plant debottlenecking
- Delivers higher capacity upgrades of over 100% versus the 10-20% increases achieved by re-rotoring
- Compressor and steam turbine performance is verified by shop testing before shipping

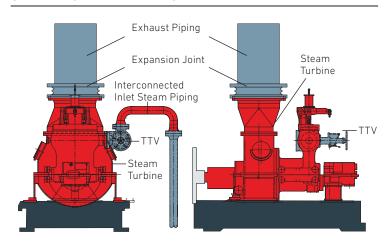
MCO/FPR SUPPLY RECORD

Global installed base since 1987		
Compressors	224	
Steam Turbines	102	

REAL PROJECT RESULTS

Ethylene lant capacity expansion projects		
Before	After	
771 KTA	1,100 KTA	
875 KTA	1,050 KTA	
Charge gas compressor train		
771 KTA	1,100 KTA	
875 KTA	1,050 KTA	
Elexible nozzle design engine	ered to match existing nozzle positions	

STEAM TURBINE REPLACEMENT



REPLACE			
S/T	& Piping		

RE-USE Baseplate

TTV & Steam Piping 🔳 Comp & Gear

