



The following 7 specific product groups within mechanical and HVAC offer manufacturing opportunities in the UAE:

Turbines (Steam & Gas)

Compressors

Pumps

Blowers & Draft Fans

Internals for Separators

Pressure Vessels & KO Drums

Air Handling Units

Mechanical & HVAC

Turbines (Steam & Gas)



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Opportunities to manufacture turbine parts & control systems (steam & gas) in the UAE:

Overview



Opportunity

- Currently there is limited local manufacturing of Turbine Parts & Control Systems within the UAE
- Being part of the Long-Term Service Agreement for the Gas Turbine installed in the AGCs
- Better position in delivering the spare part and enhance the total Major overhaul Duration



Applications

- Spare part for Power Generation Turbine repair and Major overhaul
- Spare part for Mechanical Driver Turbine repair and Major overhaul
- Reverse Engineering old Turbine obsolete parts



ADNOC Standards / Specifications Requirements

- AGES-SP-05-005 Gas Turbines (API 616) Specification
- AGES-SP-05-004 Mechanical (Rotating) General and Special Purpose Steam Turbines (API 611 and 612) Specification

Mechanical & HVAC

Compressors



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Overview

Opportunities to manufacture compressors in the UAE:



Opportunity

- Currently there is limited local manufacturing of Compressors within the UAE
- Good Position in potential future ADNOC Compressor Framework Agreement
- Ability to Brand with ADNOC the Inherently Intelligent Compressor Unit
- Attractive to regional purchasers from delivery and ICV perspectives



Applications

- Gas Export Compressor
- Gas Injection Compressor
- Instrument Air Compressor
- Vapor Recovery Compressor



ADNOC Standards / Specifications Requirements

- AGES-SP-05-002 Centrifugal Compressors (API 617) Specification
- AGES-SP-05-003 Reciprocating Compressors (API 618 and ISO 13631) Specification
- AGES-SP-05-009 Packaged Integrally Geared Centrifugal Air Compressors (API 672) Specification



OVERVIEW

Opportunities to manufacture pumps in the UAE:



Opportunity

- Currently there is limited local manufacturing of Pumps within the UAE
- High demand of centrifugal pumps with different sizes for new projects targeting sustaining oil productions and increase to 5 million bbl
- UAE based supply chain for better quality assurance by purchaser and availability of top-class steel mills
- Easy modification or upgrade for any defects or anomalies are found in the site



Applications

- Main Oil Loading Pumps
- Water Injection Pumps
- Export Pumps
- Process & Utilities Pumps



ADNOC Standards / Specifications Requirements

- AGES-SP-05-001 Centrifugal Pumps (API 610) Specification
- AGES-SP-05-008 Centrifugal Pumps for General (Utility) & Firewater Service Specification
- AGES-SP-05-010 Rotary-Type Positive Displacement Compressors & Pumps (API 619 & API 681) Specification

Mechanical & HVAC

Blowers & Draft Fans



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Overview

Opportunities to manufacture blowers & draft fans in the UAE:



Opportunity

- Currently there is limited local manufacturing of Turbine Parts & Control Systems within the UAE
- Being part of the Long-Term Service Agreement for the Gas Turbine installed in the AGCs
- Better position in delivering the spare part and enhance the total Major overhaul Duration



Applications

- Spare part for Power Generation Turbine repair and Major overhaul
- Spare part for Mechanical Driver Turbine repair and Major overhaul
- Reverse Engineering old Turbine obsolete parts



ADNOC Standards / Specifications Requirements

- AGES-SP-05-005 Gas Turbines (API 616) Specification
- AGES-SP-05-004 Mechanical (Rotating) General and Special Purpose Steam Turbines (API 611 and 612) Specification

Mechanical & HVAC

Internals for Separators



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Overview

Opportunities to manufacture internals for separators in the UAE:



Opportunity

- Currently there is limited local manufacturing of Internals for Separators within the UAE
- Easy to design and manufacture
- Internal replacement performed during plant shutdown whereas the duration of the campaign is limited



Applications

- Improve separator efficiency and separation effectiveness with new internals
- Replacement of existing internals due to their wear or damage



ADNOC Standards / Specifications Requirements

- AGES-SP-06-011 Vessel Trays and Internals Specification

Mechanical & HVAC

Pressure Vessels & KO Drums



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Overview

Opportunities to manufacture pressure vessels & ko drums in the UAE:



Opportunity

- It is considered that there is additional opportunity for manufacturing of Pressure Vessels and KO Drums within the UAE
- Easy to design and to fabrication
- Availability of a top-class plates manufacturer



Applications

- Separator and Columns
- Knock Out Drums
- Scrubber
- Deaerators



ADNOC Standards / Specifications Requirements

- AGES-SP-06-001 Design Criteria for Static Equipment
- AGES-SP-06-002 Pressure Vessel Specification

Mechanical & HVAC

Air Handling Units



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Overview

Opportunities to manufacture air handling units in the UAE:



Opportunity

- It is considered that there is additional opportunity for manufacturing of Air Handling Units within the UAE
- Easy to assemble to and package such units
- High demand for customized air handling units for oil field conditions
- High maintenance and spare parts consumption for these units



Applications

- Substation air condition
- Control Room air conditioning system
- Operation Accomodation and Recuritation facilities air conditioning



ADNOC Standards / Specifications Requirements

- AGES-SP-14-001 HVAC Design Basis
- AGES-SP-14-002 HVAC Equipment
- AGES-SP-14-003 HVAC Ductwork, Pipework and Accessories