

CATALYST HANDLING



ENMAS
INDIA

ENMAS plans to execute Catalyst Change out Projects for a number of clients in the Middle East and Far East along with their Partner EMDAD based at UAE. EMDAD has successfully executed many projects for Oil& Gas and Petro Chemical clients in UAE

Some of the major work cover

- Catalyst & Molecular sieve replacement
- Catalyst skimming
- Catalyst and ceramic ball loading
- Deputation of skilled man power on request to client sites
- Provision of specialized equipment for catalyst unloading and loading



Resources

ENMAS and their associate possess necessary tools and special equipment to execute the catalyst change over Jobs. The company is capable of executing jobs simultaneously in 3 different locations
Tools and special equipment at our Disposal

1. Life support Panels
2. Fitted out containers
3. Vacuum units – Diesel driven
4. Filtration units
5. N2 coolers, Silencers & cyclones
6. N2 Recycling Systems
7. Dust collection systems
8. Constant discharge valves and control systems
9. Air movers
10. Screening machines
11. HP lines with manifolds

Catalyst Handling :

- Loading and unloading of catalytic reactors
- Reactor-specific services such as (soft) vacuum unloading, wet unloading, sock loading, dense loading (Desiccant®, Unidinese®)
- Inspection in Nitrogen atmosphere & Handling of catalyst in Nitrogen atmosphere.



Areas Of Expertise:

- Ammonia synthesis converters
- Continuous catalytic reformers
- Hydrocrackers
- Tubular reactors
- Reformers
- Conventional multi bed reactors



Credentials for last 4 Years of Catalyst Loading and Replacement

S.No	Client Name	Project Descriptions	Work Site	Month/Year
1	Abu Dhabi Gas Industries Ltd. (GASCO)	Catalyst and Molecular Sieves Replacement	All GASCO Sites	Dec 2017
2	Abu Dhabi Oil Refining Company (TAKREER)	Catalyst Replacement Jobs for Vessels & Reactors	Um Al Nar	Mar 2017
3	Emirates Steel Industries (ESI)	Skimming of HDS Catalyst	Mussafah	May 2016
4	Emirates Steel Industries (ESI)	Activated Carbon Replacement	Mussafah	May 2016
5	DOOSAN BABCOCK	Catalyst Handling on Call Out Basis	Habshan	Dec 2017
6	Abu Dhabi Oil Refining Company (TAKREER)	Catalyst Handling Job for D4 in Mild Hydrocracking (MHC) Unit 803	Ruwais	Mar 2016
7	Abu Dhabi Oil Refining Company (TAKREER)	Catalyst Replacement Jobs in Unit 15	Ruwais	Sep 2014
8	Abu Dhabi Polymers Company Limited (BOROUGE)	Replacement of Molsieve in the Cracked Dryers	Ruwais	Oct 2013
9	ISCCO/Abu Dhabi Gas Industries Ltd. (GASCO)	Molecular Sieve Replacement Works GASCO Ruwais Shutdown of Train 2 for Periodic Inspection and Maintenance	Ruwais	Jan 2013