

Metso:Outotec

Acid Plant Converter Catalyst Service

Benefits

- Safe — Less crane use and a team experienced in confined space entry and site safety
- Fast — Advanced mechanized equipment for screening and loading
- Expert — Worldwide leader in acid plant technology and shutdown services



Increase production, improve safety

Dust, ash and other contaminants entrained in the gas flow accumulate in an acid plant catalyst bed increasing the pressure drop across the converter. Catalyst needs to be periodically serviced to maintain plant production.

Metso Outotec Shutdown Services provide an acid plant converter catalyst service in order to:

- Clean and reuse catalyst
- Remove spent or damaged catalyst
- Inspect and/or repair the converter interior
- Disposal or transfer catalyst



Catalyst Services

- Planning
- Screening
- Loading
- Reporting

Planning

Metso Outotec Shutdown Services works with the acid plant operator and shutdown manager to coordinate activities, equipment and services to avoid interferences and safely meet the most demanding schedules.

Screening

Metso Outotec Bearkat® mechanized screening systems safely remove, clean and package catalyst for storage and reuse.

Loading

Inert material, screened catalyst and make-up catalyst are reloaded into the converter. Metso Outotec can load catalyst using traditional methods, or with a pneumatic conveying system. Metso Outotec Pneumatic loading significantly lowers crane use and can help reduce weather delays. Loading is done safer and faster.

Reporting

Catalyst location, size and quantities are recorded for each bed screened. Metso Outotec will coordinate work so that empty converter beds may be inspected and catalyst samples taken for analysis. Metso Outotec provides a final report of the layout of loaded catalyst including quantity of recovered and scrap catalyst.

**Related Acid Plant Services:
Acid Plant Shutdown Project Services**

Experienced professionals will plan, track and/or execute your acid plant shutdown