



# MECHANICAL ENGINEERING



## QUALITY TECHNICAL EXPERTISE

As part of the EPCM services provided, Amerapex offers mechanical engineering services to support oil and gas facilities, refineries, petrochemical plants, renewable energy and water treatment facilities.



EXPERIENCED  
PERSONNEL



QUALITY  
SERVICE



EFFICIENT  
DESIGN PROCESS

## EQUIPMENT APPLICATIONS:

- Furnaces and boilers
- Columns
- Heat exchangers
- Drums & vessels
- Tanks
- Rotating equipment (compressors, fans and pumps)
- Special service valves (slide gate valves)
- Material handling equipment (conveyors, crushers and hoppers)

## ADDITIONAL SERVICES:

- Identify materials of construction
- Specify special finishes, painting and thermal insulation
- Perform finite element, thermal and fatigue analysis
- Design any equipment following appropriate codes and standards
- Multi-discipline engineering



Rev. 12/15/2020