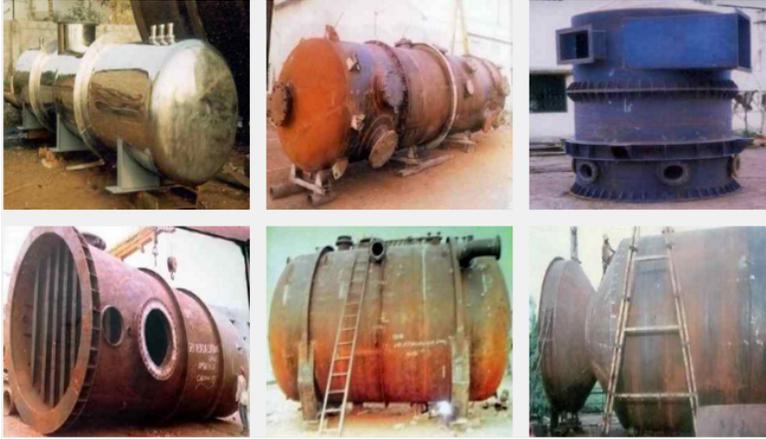


# CHEMICAL PLANTS



## **Pressure Vessels, Agitators, Cell Covers & Troughs, End Boxes, Filters, Ducts, Piping.**

A chemical plant is an industrial process plant that manufactures (or otherwise processes) chemicals, usually on a large scale.<sup>[1]</sup> The general objective of a chemical plant is to create new material wealth via the chemical or biological transformation and or separation of materials.<sup>[2]</sup> Chemical plants use specialized equipment, units, and technology in the manufacturing process. Other kinds of plants, such as polymer, pharmaceutical, food, and some beverage production facilities, power plants, oil refineries or other refineries, natural gas processing and biochemical plants, water and wastewater treatment, and pollution control equipment use many technologies that have similarities to chemical plant technology such as fluid systems and chemical reactor systems. Some would consider an oil refinery or a pharmaceutical or polymer manufacturer to be effectively a chemical plant.

Petrochemical plants (plants using chemicals from petroleum as a raw material or *feedstock*) are usually located adjacent to an oil refinery to minimize transportation costs for the feedstocks produced by the refinery. Speciality chemical<sup>[3]</sup> and fine chemical plants are usually much smaller and not as sensitive to location. Tools have been developed for converting a base project cost from one geographic location to another.