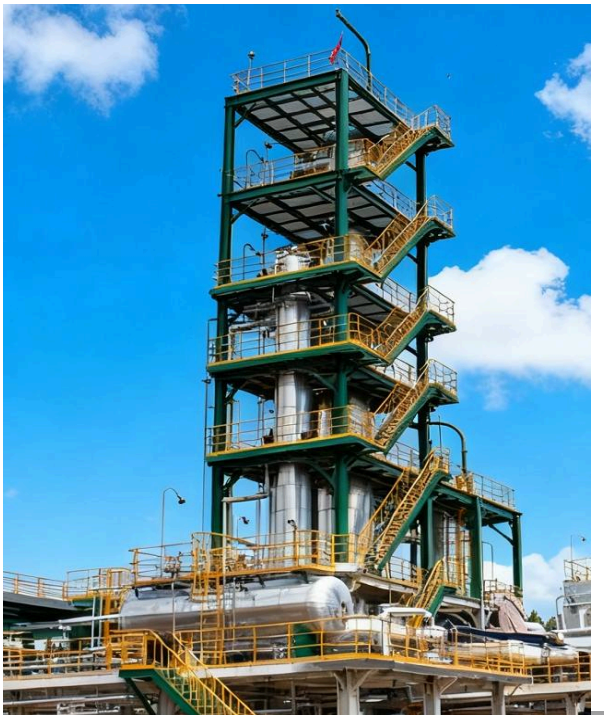
OIL AND GAS FIELD SURFACE PROCESSING EQUIPMENT



MDEA Acid Gas Removal Unit

In natural gas processing and purification, natural gas typically contains impurities—particularly H_2S, CO_2, and organic sulfur compounds, collectively referred to as acidic components. The MDEA acid gas removal unit consists primarily of an absorption section and a regeneration section. It removes acidic components by allowing the MDEA absorbent to react chemically with the acid gases, achieving efficient acid gas removal. This is a widely adopted process for acid gas treatment in natural gas purification.

Ferric Chelate Desulfurization Unit

The Ferric Chelate Desulfurization process uses an iron-based chelating agent as the desulfurizer. Through redox reactions, it absorbs H_2S and converts it into elemental sulfur. This technology is widely applied in natural gas purification, associated gas treatment, recovery of sulfur-containing flare gas, deep desulfurization of acid gas tail gas, refinery gas desulfurization, and the development of medium- to high-sulfur gas fields.