

Cryogenic Air Separation Unit

This plant separates air into its constituent components using cryogenic distillation. It produces high-purity gases such as nitrogen, oxygen, and argon.



Overview

Cryogenic Air Separation Technology

This cryogenic air separation unit is engineered for the large-scale industrial production of high-purity gases. By utilizing cryogenic distillation, the system efficiently separates atmospheric air into its primary components, including nitrogen, oxygen, and argon. The facility features advanced distillation columns and specialized storage infrastructure, ensuring reliable and continuous output for demanding industrial applications.

Technical Specifications

Separation Process	Cryogenic Distillation
Output Gases	Nitrogen, Oxygen, Argon

Key Metrics

System Components

- Distillation Column
- Cryogenic Storage Tanks
- Heat Exchangers
- Compression System

Operational Focus

High-Purity Output • Large-Scale Production • Industrial Grade