

**Contract and Wholesale
Manufacturing**

Chemical reaction plant

Pioneering specialty chemical solutions for the MENA region with advanced R&D and commercial production capabilities

SITE CHEMISTRIES

- Acylation
- Alkylation
- Benzylation
- Condensation
- Cyclization
- Esterification
- Imidazolines
- MEA/MMA triazine
- Nonylphenol resins
- Oxyalkylation (EO, PO, mixed oxides)
- Phosphation
- Polymerization

VALUE TO OPERATORS

- Security of supply
- Short lead times
- Streamlined logistics
- Multiple packaging options
- Regional value chain

Overview

Halliburton established a significant specialty chemical value chain with the 2019 groundbreaking of the region's first pilot plant and manufacturing facility. This manufacturing footprint is the latest step in Halliburton's strategic development of oilfield and specialty chemical capabilities to serve the Kingdom of Saudi Arabia and the Middle East and North Africa (MENA) region.

Located in Al Jubail, this world-class plant complements Halliburton's growing investment in local people and resources to provide accelerated research and development, technical solutions, and commercial scale-up to the oilfield, contract manufacturing, and tolling markets.

Concept to commercial production

The bench-scale pilot capability and field-pilot reactors allow Halliburton to develop chemistries from concept to full-scale commercial production. The plant also extends Halliburton's manufacturing reach beyond the oilfield and into industrial water and process treatment markets, including refineries and petrochemical plants.



Halliburton's chemical reaction plant serves the oilfield and multiple industries with contract manufacturing and tolling services.

Capabilities and features

- Facility footprint is 147,000 m² in the Jubail II Industrial Area
- First specialty chemical reaction manufacturing plant in MENA
- Range of reactions through fully automated, stainless-steel, and corrosion-resistant reactors
- High-capacity blending to maximize throughput and efficiency with 30 m³ (8000-gal) blenders
- Onsite QA/QC laboratories
- Production of ethylene oxide- (EO), propylene oxide- (PO) based products
- Strategically positioned for pipeline supply of EO and PO
- Packaging and bulk-delivery capabilities to meet local and regional needs
- Prioritize regional raw material supply

Contract manufacturing and tolling services

- Concept to full-scale commercial production
- Intellectual property protection
- Simple to complex reactions
- Production flexibility
- Product development partnerships
- Production optimization and troubleshooting
- Regional suppliers
- Land and sea shipping

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

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