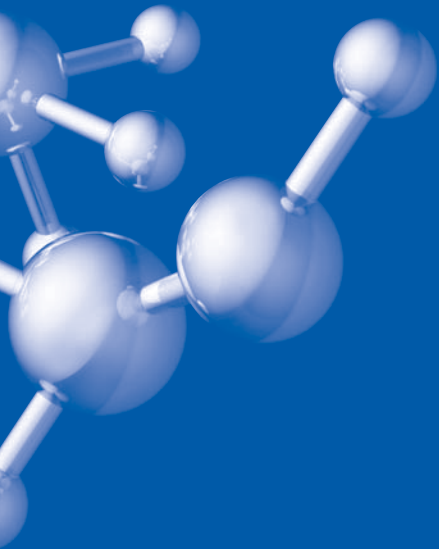




Services

Technical Services for your Plant





MegaMethanol Plant, Trinidad

Services for your Plant

For over 110 years, Lurgi has built process plants all over the world. These plants are characterized by a high technical standard and long-term availability.

Ambient conditions, feedstock, product quality, energy and environmental conditions are increasingly subject to changes throughout the life cycle of a plant.

Lurgi's Technical Services department offers plant operators all services required to master such changed conditions.

Thanks to the close cooperation with Lurgi's engineering disciplines and technology departments as well as our R&D center, we are able to provide the latest state-of-the-art for your equipment and your plant operations under both technical and economic aspects.

Our services portfolio comprises continuous plant support based on service agreements and projects, operation and maintenance concepts, through to complete revamps, including delivery of spare parts and equipment.



Lurgi Worldwide Map

● Headoffice Frankfurt



Plant Revamp and Optimization

Modernization and optimization are the key prerequisites for long-term successful plant operation. Through permanent market presence and R&D efforts focused on its proprietary technologies, Lurgi is able always to provide the highest level of development.

Objectives

- Capacity and yield increase
- Improved product quality
- Reduced operational costs
- Process optimization
- Plant optimization to new products adjusted to market demands

Engineering

- Studies for weak-point analysis (technical and commercial)
- Process simulation
- Energy optimization
- Advanced control systems
- Replacement and exchange of plant components and internals (heat exchangers, condensers, columns, evaporators, gas burners, etc.)
- Plant automation:
Revamp and optimization of measuring and control systems

Operational Support

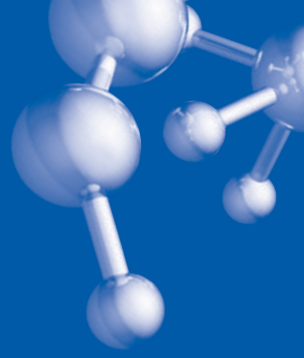
An optimum plant condition and, hence, plant maintenance are the prerequisites for a profitable plant operation. Lurgi provides consulting and planning services for overall plant revisions, downtime planning combined with weak-point analyses, re-design and supply of plant components just in time. In addition, Lurgi offers operator training for existing plants and special training for new components and operations. Lurgi offers preventive maintenance concepts to maximize plant availability, ensuring the economically and technically optimum status.

Services

- Safety analyses and training
- Plant and operation audit
- Operator training
- Plant monitoring – remote diagnosis system
- Measurements for plant operating condition (DeltaP, NDT, ...)
- Lifetime analyses
- Increase in plant availability
- Maintenance management concepts
- Preventive maintenance planning
- Statistical process analysis
- Optimization of plant inventory
- Inspections



Damage Assessment



Spare Part Services

Lurgi's Technical Services department provides the complete materials management for operational plants, ranging from technical support to procurement and delivery through to documentation.

Materials Management

- Optimization of spare parts management ensuring replacements and equipment consistency
- Optimum adjustment of spare parts management to the required plant availability

Procurement and Supply

- Review of technical engineering
- Procurement of original spare parts, proprietary equipment
- Planning and procurement of alternative spare parts for equipment items, whose production was discontinued
- Procurement of consumables (catalysts, activated carbon, special chemicals, etc.)

The organizational integration of spare parts procurement into the Technical Services function enables individual and fast deliveries on the actual state of the art.

Small Capital Project Services

Thanks to their technical competence, the Technical Services team covers all core technologies offered by Lurgi. In addition, we can draw on the expertise of all engineers of the process engineering disciplines at our head office and global subsidiaries.

This versatility enables us to support our customers according to their specific needs.

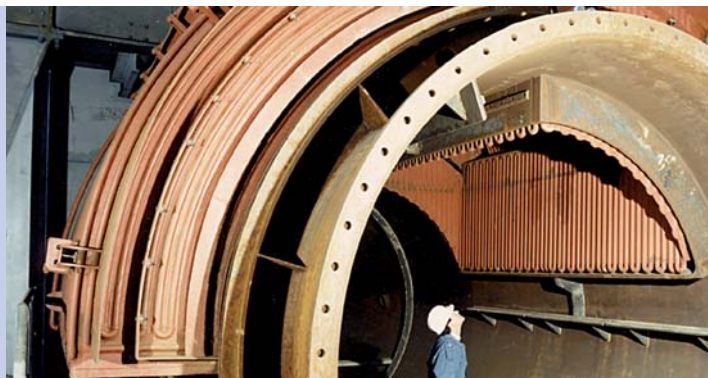
In view of our experience in handling large projects, our customers trust us regarding the execution of integrated ventures within the specified time, cost and quality frameworks.

Although we focus on our core technologies, our service projects are not limited to them.

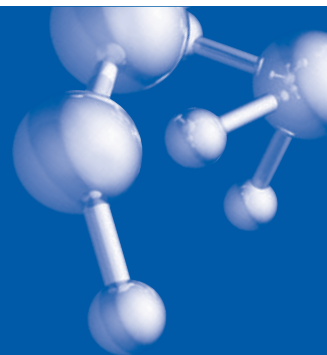
Here, Lurgi can also rely on its longstanding expertise in re-designing existing plants to achieve a safe, maintenance-compatible and efficient operation.

Scope of Services

- Feasibility studies
- Process development
- Project development
- Basic engineering
- Detail engineering
- Mechanical engineering
- Electrical engineering
- Process automation
- Procurement
- Authority engineering
- Site organization, planning
- Start-up consulting



QSL Plant, Germany



Other Services

Lurgi's Technical Services department offers tailor-made problem solutions that extend well beyond the mere construction of a plant.

Lurgi offers its broad range of competence as a consulting service for all business related to chemical engineering like investors, project developers, loss adjustors and insurances companies.

Lurgi's scope of services comprises e.g. the responsible damage analysis and the surveying of the damage scope, performed by our experts from the technology and engineering disciplines, individually or in interdisciplinary teams as well as the following:

- Research and development
- Damage assessment and repair
- Materials testing/materials selection and materials optimization
- As-built documentation
- Laboratory services
- HSE studies
- QA/QC consulting

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Further Technical Information available

- Services for Polymere Plants
- Services for Biodiesel
- Services for Refinery and Petrochemical Plants
- Services for Gas Production and Purification
- Services for Gas to Chemicals
- Services for Oleochemical Plants
- Services for Methanol Plants

Lurgi is a leading technology company operating worldwide in the fields of process engineering and plant contracting. The strength of Lurgi lies in innovative technologies of the future focusing on customized solutions for growth markets. The technological leadership is based on proprietary technologies and exclusively licensed technologies in the areas gas-to-chemical products via synthetic gas or methanol and synthetic fuels, petrochemicals, refinery technology and polymer industry as well as renewable resources/food.

Lurgi is a member of the Air Liquide Group. 

