

Engineering services

for the energy industry



Competent
Efficient
Reliable



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Energy and Our Future

LINDSCHULTE – Engineering services for the energy industry

For over 40 years, LINDSCHULTE engineers have been developing functional plans and economic solutions for the following key sectors:

- Infrastructure and environment
- Bridge construction and civil engineering
- Building construction and industrial engineering.

Our company's expertise and close partnership with its clients provide a sound foundation for cost-effectiveness, prompt completion and quality assurance. Our company also provides high standard engineering services in a variety of fields and disciplines for the energy industry.

Health, safety and environmental issues are of paramount importance to us.

Our engineers keep abreast of regulatory policies and developments, while developing innovative, efficient and economic solutions.

We aim to provide sustainable and intelligent engineering, while respecting the environment and meeting customer expectations. Our goal is to design sophisticated, sustainable and efficient construction solutions for our customers.

LINDSCHULTE employs over 200 dedicated people at 12 office locations with expertise in the following sectors:

- Energy industry
- Public utility companies
- Oil and natural gas production
- Chemical industry



SCC**



ISO 9001

DVGW
Associate





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Safety, quality, responsibility

Construction planning and systems engineering

Since the 1960s, LINDSCHULTE has gained extensive experience in all areas of construction. The company provides a wide range of services, including architecture, building/industrial construction, technical building equipment, bridge construction, civil engineering, infrastructure and environment, as well as conventional and alternative energy. Run by professionals with wide-ranging skills and experience, LINDSCHULTE offers a comprehensive range of engineering solutions, all of which are specially tailored to our clients' needs.

Combined with our experience of key market sectors, our general planning expertise enables us provide added value - from project design stage to completion.

LINDSCHULTE has all the necessary professional and technical skills to plan, design, develop and supervise the construction process and provide comprehensive support - one single point of contact means cost-effectiveness, prompt completion and successful planning.

We aim to work in partnership with our clients and tailor our services to meet their requirements. This approach enables us to better understand their needs as we strive to complete systems engineering projects on time in a sustainably efficient and functional way.

The effective communication and collaborative teamwork supported by our approach are vital when it comes to continuously improving the services that we provide for our clients.

Our activities meet all statutory and ethical requirements, as well as the needs of our customers, employees and the wider community.





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Engineering services

Infrastructure and civil engineering

As the industry becomes increasingly complex, there is increasing demand for high quality civil engineering.

The challenges presented by current developments, economic and technical issues, combined with the needs of modern society, inspire us to engineer sustainable solutions. Our particular strength lies in our ability to balance planning and engineering expertise with environmental concern at all project stages.

The bandwidth, on which we operate, ranges from planning and construction management, water use applications, right of way negotiations, surveying and As-built documentation to specialist services, such as pipeline monitoring in compliance with the BVOT (Deep Drilling Regulation), mine planning and fire protection/emergency alert plans.

LINDSCHULTE - Engineering services

Engineers, architects, masterplanners providing a comprehensive range of engineering services for traditional infrastructural and civil engineering.





An outstanding reputation - We are second to none

Infrastructure and civil engineering

LINDSCHULTE has established itself as a leading construction and planning company, which provides its customers with comprehensive design and construction management expertise.

LINDSCHULTE's coordinated permitting strategy saves time during the critical early stages of civil engineering projects. We outline site-specific permitting issues for a given project, before contacting the relevant regulatory bodies and agencies, in order to determine specific requirements for approval and permission. Whether the project is concerned with rural conservation, landscape architecture, acoustic environment, bridge inspection or compliance with health & safety regulations, we attach major importance to the task of providing our clients with the best possible service.

We share with our clients the benefits of our expertise in:

- Plant construction for the exploration, production and transport of oil and gas (collection points, plants, drilling and production sites etc.)
- Road and bridge building for accessibility
- Pipeline construction for the transport of oil and gas, reservoir water, steam and other media, as well as power and telecommunication cables
- Dismantling, recultivation and remedial measures

Our valued clients include:

BASF, Bayer, BP, EnBW, E.ON, Erdgas Münster, essent, EWE, ExxonMobil, Gasunie, GDF SUEZ, GELSENWASSER, H&R, K+S, LANXESS, NAM, Nuon, RWE, RWE Dea, Shell, TOTAL, Trianel, URENCO, WINGAS, Wintershall





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Physical interfaces for structural and industrial engineering

Based on our skills in the field of infrastructural and civil engineering, we have developed valuable expertise in the design of physical interfaces with industrial manufacturing equipment for the energy industry.

This allows us to pass on the benefits of our extensive experience in systems engineering, in fields such as gas storage plants and compressor stations.

We pride ourselves on providing an exceptional service when it comes to delivering gas storage installations and compressor stations in a professional, safe and economic way.

We offer a wide range of services including:

- Costing and cost management
- Quality monitoring
- Noise protection
- Formwork and reinforcement plans
- Health & safety coordination
- Building services (building-related)
- Structural engineering
- Detailed designs
- Construction documentation
- Structural physics
- Building and construction supervision
- As-built documentation
- Civil service engineering
- Procedures required by the Federal Emission Control Law (BImSchG)
- Development / outdoor facility planning
- Construction management

LINDSCHULTE - Engineering services

Engineers, architects, masterplanners
providing a comprehensive range of engineering services
for traditional infrastructural and civil engineering





An outstanding reputation and references second to none

Structural and industrial engineering for the energy sector

LINDSCHULTE has established itself as a leading company providing specialist construction and industrial engineering expertise of the highest standard by using specialist energy sector teams. Our services fall into two key categories.

LINDSCHULTE expertise

Structural engineering:

- Construction of compressor halls, measurement buildings, air-conditioned EMSR facilities, pressure control buildings and (gas) turbine buildings
- Planning and construction of boilers, heat storage and water treatment facilities, biogas installations, solar and photovoltaic systems
- Biomass power and CHP installations

Construction and systems engineering:

- Foundations for installation and pipeline equipment
- Steel structures and platforms
- Pipeline and cable ducts
- Media supply





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LINDSCHULTE

Competence, transparency, quality, safety

LINDSCHULTE is highly skilled and committed to meeting its clients' needs, in view of the increasing demands and expectations of today's engineering projects.

LINDSCHULTE is DIN EN ISO 9001: 2008 and SCC certified* (TÜV CERT). Close monitoring and planning form part of our transparent and clearly structured quality assurance system.

Being affiliated to a wide range of professional and trade associations gives us access to the latest regulations and technological developments. As a fully paid-up member of several professional associations, we have direct access to the latest technical knowledge, which helps us to design innovative and cost-effective project solutions.

Costing and cost management

Rigorous calculations and systematic cost management are key factors for an efficient, cost-effective and successful construction project. LINDSCHULTE optimizes not only planning and completion costs during the construction phase, but also total budget expenditure (operating and consequential costs).

Construction and quality control

As the independent representative of its clients, Lindschulte monitors, controls and coordinates all the services required at the construction site, guarantees on-site safety, takes responsibility for health and environment protection and ensures prompt and economically sustainable completion.

LINDSCHULTE Services

- Intelligent engineering
- Cost-effective planning
- Environmentally sensitive approach



LINDSCHULTE

Services from A to Z

- A** Applications
Architecture
As-built documentation (2D, 3D)
As-built documents
As-built surveys
- B** BlmSchG - Procedures required by the Federal Emission Control Law
Biogas plants
Bridge surveys
Building construction
BVOT (Deep Drilling Regulation)
- C** Calculation
Civil service engineering
Costing and cost management
Compensation
Construction management
Construction physics
Construction site workshop, foreign workers
Construction surveys
- Contact person for land owners and holders of rights of use
Corridors
Crossing applications
- D** Data collection
Design planning
Detailed design
Development - accessibility
Dismantling, demolition and recultivation
Documentation
Drainage planning
Drill platform ground plan
Drillhole images
- E** Emergency schemes
Energy consulting (TGA) (DIN 18599)
Energy Conservation Regulation (EnEV)
Engineering master planning
Equipment documentation with CAD / GIS
- F** Field damage analysis
Fire protection plans
Fire protection
Fire simulation
Formwork and reinforcement plans
Foundations for installations and pipeline equipment
- G** Gas emergency plans
General building and industrial geo-information systems
Geothermics
GIS
GIS data
GPS
- H** Health and safety coordination
Heat protection
Hydraulic dimensioning
- I** Industrial building
Installation plans
- L** Laser scanning

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General Engineering for:

- Administrative buildings
- Biogas plants
- Boiler units
- Cavern storage
- Combined heat and power plants

- Compressor halls
- Compressor stations
- Drill platforms
- E-Lab, fire stations
- EMSR facilities (air-conditioned)
- Facilities for the exploration, extraction and transport of oil and natural gas
- Field stations
- Gas turbine stations



- Lease payment administration
- Levelling
- M** Media supply
- Mine plans
- Mine surveys
- Mining legislation
- Mining legislation on permits
- N** Negotiating with land owners and holders of rights of use
- Noise insulation
- O** Operating procedures
- Outdoor facility planning
- P** Permit applications
- Photovoltaics
- Pipe detection
- Pipeline
- Pipeline surveys
- Power and telecommunication cables
- Precision leveling

- Project planning
- Project supervision
- Q** Quality control
- R** Regeneration
- Renewable energies
- Renovation
- Renovation planning
- Right of way negotiations
- Road planning
- Road survey analysis
- Rural conservation studies
- Rural development
- S** Seismic damage control
- Solar / photovoltaic
- Special operation plans
- Steel platforms
- Steel structures / Streets, roads, bridges for development projects
- Structural design
- Structural surveys
- Supervision
- Surveys (2D, 3D)

- Survey engineering
- Surveying
- Surveys for pipeline ducts
- Systems engineering (structural measures)
- T** Tachometric measurements
- Technical equipment (building related)
- Tendering and bidding
- Terrain models
- Topographic measurement
- U** Utility mapping in compliance with the BVOT (Deep Drilling Regulation)
- V** Volume calculation
- W** Water permits
- Water treatment

- Heat storage
- Laboratories, PU-bearing
- Measurement buildings
- Offices
- Offices and factories
- Oil exploration
- Pipe ducts
- Pipe laying

- Pipelines for transport of oil, natural gas, reservoir water, steam and other material
- Pressure control units
- Production halls
- Reservoirs
- Turbine buildings
- Warehouses



Our locations

Nordhorn
Aurich
Düsseldorf
Erfurt
Hannover
Kleve
Meppen
Münster
Potsdam
Rostock
Spelle
Zielona Góra, Poland

Head office

LINDSCHULTE Ingenieurgesellschaft mbH
Beratende Ingenieure VBI
Seilerbahn 7
48529 Nordhorn
Tel.: +49 5921 8844-0
Fax: +49 5921 8844-22
info@lindschulte.de

www.lindschulte.de



LINDSCHULTE
Ingenieure + Architekten