

Solutions for Petroleum & Gas





You can trust our tradition.

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Environment protection
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Quality standards





Bernd, Philippe and Oliver Steiner



Competence based on a tradition of almost 300 years. A comprehensive range of innovative products. And a high-performance team. Welcome to SPG Steiner-Prematechnik-Gastec GmbH.



In 1701 the blacksmith Philipp Steiner founded a forge for the fabrication of goods employed in the agricultural, steel making and booming mining industries in the Siegerland. In the 20th century it developed into a factory for steel construction works and became one of the most recognized fabricators for heat exchangers, high pressure vessels and skid mounted units in Western Germany.

Since 1984 the company is run under the leadership of Bernd Philipp Steiner and has been restructured from a specialised manufacturing company to an EPC company. By merging with well established German engineering companies such as Prematechnik GmbH and Gastec GmbH we have become a provider of specialised plants and equipment for the petrochemical and related industries.

Nowadays we present ourselves as EPC contractor with an international network and established companies in Germany, Qatar, Saudi Arabia, Iran, Russia, China and Ivory Coast. With Philippe and Oliver Steiner the 8th generation is operating in the company and continues to develop our vision "Engineering for limited resources".



Solutions for Petroleum & Gas.

SPG ist one of the few EPC contractors that can perform all aspects from concept to commissioning – for a fixed price. We focus on results, not billable hours. This lump-sum, turnkey approach is possible because our group of companies employs specialists from around the world for design, testing, fabrication, construction and project management.

By centralizing all EPC services we minimize costs, shorten project schedules and reduce the risk for the customer. Redundant effort and incompatible design which may occur with multiple contractors is avoided. Quality control procedures during every phase of the project allow us to deliver superior “Solutions for Petroleum & Gas”.



Key benefits

- One source for all services
- International project management and expediting
- Process engineering (basic and detail)
- Process guarantee and total system responsibility
- Plant erection studies, planning and execution
- Site supervision and maintenance
- Defect and failure analysis
- Repair and replacement studies



*Launcher receiver station,
NIGC Iran*





Gas

Designers of modern gas plants.



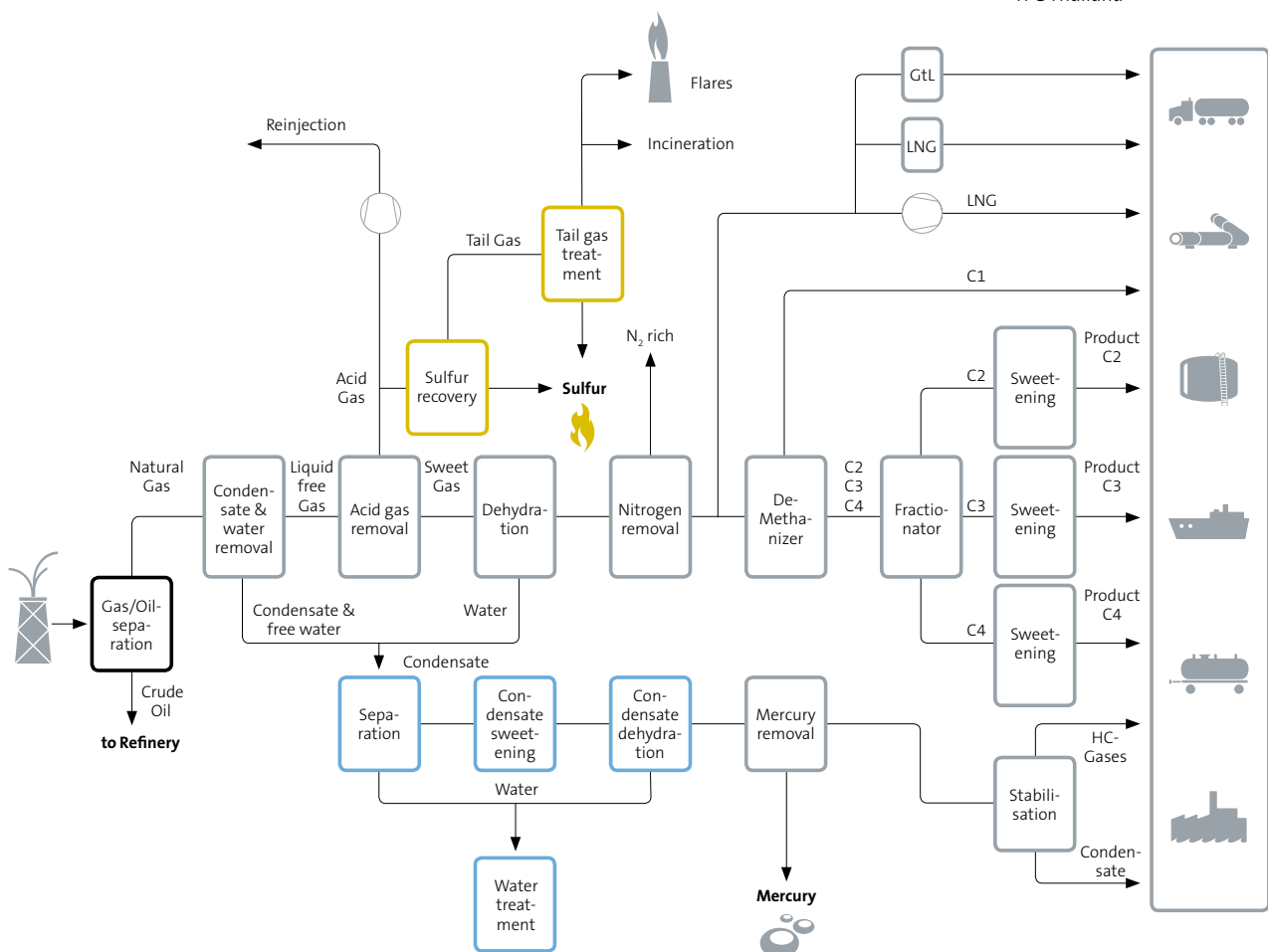
Improving the quality of gas

To meet the required specifications for further processing or distribution natural or associated gas requires treatment. Main criteria for the desired gas quality are the dew point of water or hydrocarbon as well as the content of sulphur and carbon dioxide.

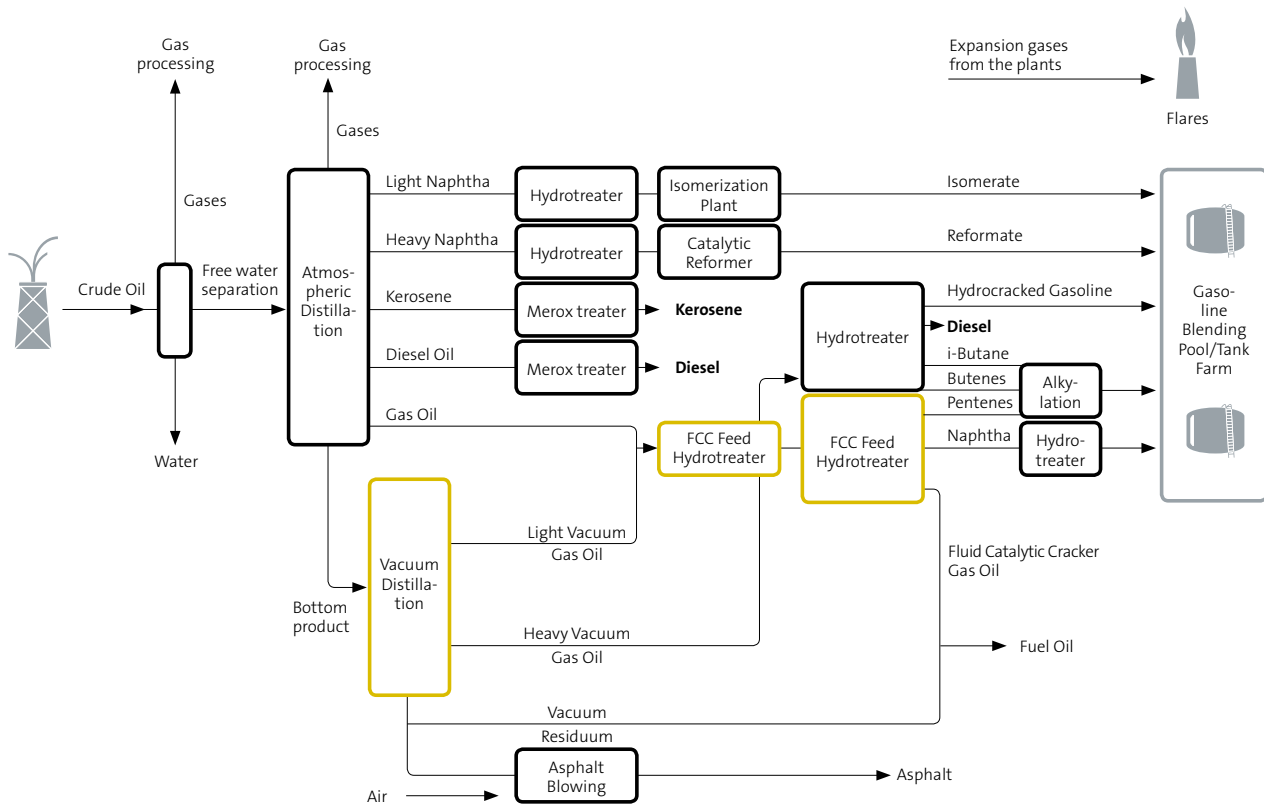
SPG provides front-end engineering, detailed design, procurement, fabrication and construction services for a wide range of gas projects. From wellhead to pipeline distribution we deliver lump-sum turnkey solutions for the refining, offshore, LNG/LPG, storage and pipeline sectors. Integrated solutions for the treatment of gas are tailored to customers needs.



Elevated flare system, 120 m high, TPC Thailand



Solutions for on- and offshore.



Expertise in oil treatment

Liquid hydrocarbons produced from wells require treatment prior to storage, transportation or petrochemical processing. The produced crude oil needs to be supplied at specified conditions and within a specific range of characteristics including: vapour pressure, temperature, density and composition.

SPG supplies technologies and services for the oil industry including wellhead design and sweetening units, floating production storage and offloading facilities as well as offshore platforms. We also provide modularized and conventional process units, gas liquefaction facilities, peak shavers, plant turnarounds, import/export terminals for LNG and LPG, storage tanks, pressure vessels and pipelines.



*FPSO module, White Rose,
Husky Oil*





Competence for coking plants.

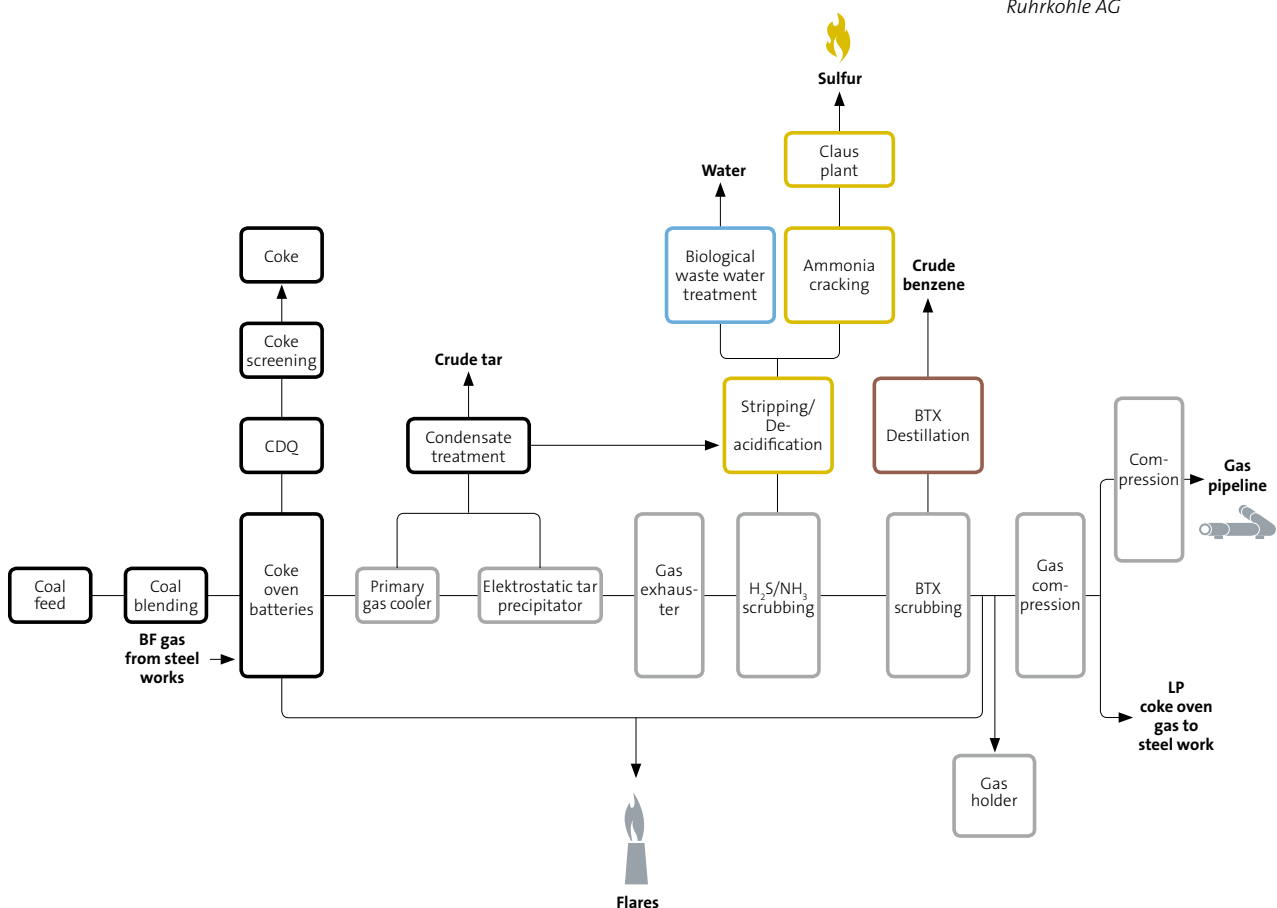


A wealth of experience

SPG offers a wide range of solutions in the coking plant sector – from individual construction to the design and completion of turnkey systems. Our expertise includes the whole process from for the treatment of coke oven gas from primary gas coolers down to H₂S/NH₃ scrubbing, BTX distillation, ammonia cracking and Claus plants. SPG is distinguished by grown know-how and longtime experience with regard to all products and services for modern coking plants.

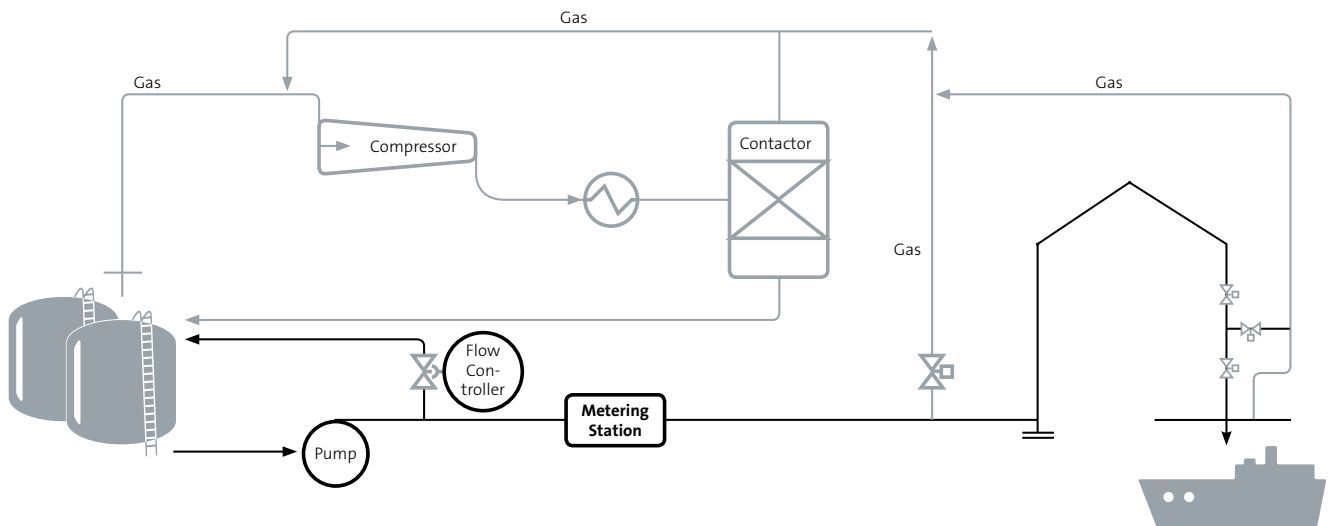


BTX distillation plant, Cokery Plant Prosper, Ruhrkohle AG





Quality solutions for storage and loading.



For every safety requirement

SPG provides modularized and conventional process plants for typical chemical industry projects. One area of expertise is turnkey facilities for liquid natural gas (LNG). Our ambient, low temperature and cryogenic storage tanks fulfil highest safety requirements. As an EPC contractor we also offer pipelines, pressure vessels, hydrogen and synthesis gas plants, methanol and ammonia plants as well as burners. In addition we design and deliver import/export terminals, process piping, pumping stations and ship/truck loading and unloading stations.

Protecting the environment

Engineering for limited resources is the vision of SPG. We strongly believe that the environment deserves to be protected for future generations. Polluting emissions to surface water, soil and atmosphere have to be controlled, minimised or completely avoided. Therefore SPG assumes a leading role in the reduction of emissions by implementing the most advanced technologies.



LNG tank, Enagas, Cartagena, Spain





Services provided

- Quality assurance
- Health, safety and environment
- Preliminary/conceptual design
- Construction management
- Detailed design and engineering
- Proposals and cost estimating
- Scheduling
- Procurement and expediting
- Fabrication
- Field construction and installation
- Construction, administration and control
- Commissioning
- Facilities management
- Operations and maintenance
- Geographic information

Forms of contract

- Turnkey EPC packages
(Engineering, procurement & construction)
- Build/ Own/ Operate/ Transfer
(BOO/ BOT/ BOOT)
- Design/ Build with guaranteed
max. price
- Cost reimbursable

Industries

- Chemical & petrochemicals
- Commercial & institutional
- Oil & Gas production & refining
- Power & desalination
- Water & sewage
- Transportation
- Aviation (airports)
- Offshore works

High quality standards

Due to considerable in-house construction capabilities SPG can offer proven procedures and products of highest quality, continuous improvements in technology and a vast database of construction methodologies. SPG fulfils current international standards such as ASME S, U and U2 stamps, ISO 9001. The quality of our products and services is controlled regularly by TÜV, Lloyd's, Germanischer Lloyd and other international inspection agencies.



Production

Oil & Gas

- Platform Topsides
- Floating Production
- Storage and Offloading
- Slug Catchers
- Injection Systems
- Free Water Liquid Knockouts
- Manifolds
- LPG Recovery Plants
- Nitrogen Rejection

Petrochemical & Chemical

- Synthesis Gas Generation Plants

Power

- LNG Import Terminals
- Bulk Fuel Import Terminals
- Flue Gas Desulphurization
- Absorber Vessels
- Stacks/Chimney Liners
- Fuel Oil Treatment Plants

Cokery By Production Plants

- Primary Gas Coolers
- H₂S Scrubbers
- NH₃ Scrubbers
- BTX Scrubbers
- Combined H₂S/NH₃ Scrubbers
- Deacidification Strippers
- Ammonia Cracking Units
- Claus Plants
- Tar Separation Plants
- BTX Distillation Plants
- Biological Waste Water Treatment
- Coke Oven Gas Flares

Processing

Oil & Gas

- Process Plant Modularization
- Crude Stabilization
- Atmospheric/Vacuum Distillation
- Hydro Treating and Hydrodesulphurization
- Filters/Coalescers
- EG/DEG Injection Systems
- Hydro Carbons Liquid Recovery Units
- Scrubbers
- Reactors
- Separators
- MEA/DEA/MDEA Units
- Molecular Sieve Units
- Glycol Dehydration Units
- Merox™ Units-Caustic Treaters
- Micro Scrubbers
- Heaters
- Amine Plants
- Pressure Reducing Stations
- Gas-To-Liquids Plants
- Liquids Stabilization Plants
- Gas Sweetening Units/Acid Gas Removal
- Sour Water Stripping Units
- Result™ Tail Gas Treating Units
- Oxygen Enhanced Claus Plants
- Asphalt Plants
- Coke Drums
- Field-Erected Pressure Vessels

Petrochemical & Chemical

- Process Plant Modularization
- Synthesis Gas Generation Plants

Storage

Oil & Gas

- LNG Import Terminals
- Export Terminals for LNG
- Offshore LNG Import Terminals
- LPG Terminals
- Import/Export Terminals for Crude and Refined Products
- Pumping Stations
- Flat-Bottom Tanks for Low Temperature and Cryogenic Storage
- Flat-Bottom Tanks for Ambient Temperature Storage
- Tank Mixers
- Refractory Lined Tanks
- Gas Flares

Petrochemical & Chemical

- Import/Export Terminals
- Pumping Stations
- Flat-Bottom Tanks for Low-Temperature and Cryogenic Storage
- Flat-Bottom Tanks for Ambient-Temperature Storage

Power

- Fuel Oil Treatment and Storage Systems
- LNG Storage

Combustion Technology

- Self Supporting Flares
- Guided Flares
- Derrick Structure Flares
- Ground Flares
- Incinerators
- Industrial Burners
- Low NO_x Burners

Distribution

Oil & Gas

- LNG Import Terminals
- Export Terminals LNG/LPG
- Offshore LNG Terminals
- LPG Terminals
- Gas and Oil Metering Stations
- Loading and Unloading Facilities
- Import/Export for Crude and Refined Products
- Vapor Recovery Units VRU's
- Pumping Stations
- Compressor Stations
- Marine Jetties, Offshore Loading Systems
- Pipelines

Petrochemical & Chemical

- Import and Export Terminals
- Pipelines
- Pumping Stations
- Ship/Truck Loading and Unloading Facilities

Pipeline Systems

- Launcher Traps
- Receiver Traps
- Instruments

Services

- International Project Management
- International Expediting
- Process Engineering
- Detail Engineering
- Plant Erection Studies,-Planning and -Execution
- Site Supervision
- Maintenance
- Defect- and Failure Analysis
- Repair- and Replacement Studies

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Global network in emerging markets