



THE WHOLE JOB SERVICE COMPANY





SIS - your competent partner

SIS is a provider of engineering, inspection, construction management and coordination services for projects in the petroleum and chemicals industries.

SIS leases and sells stationary and mobile thermal degasification systems (combustor) for compliance with TA-Luft (Technical Instructions on Air Quality Control -- latest version), providing full-service. Applications range from the degasification of tanks, ships, pipelines and system components in preparation for cleaning, inspection, repair etc., to the replacement of VRU systems.

SIS is experienced in dealing with authorities and independent experts.

SIS' technological experience derives from a 20-year track record of refinery and tank storage operation.



Engineering

We provide comprehensive engineering services in the classic areas of:

- Hydraulic and underground/civil engineering, steel and concrete construction
- Tank/plant/pipeline construction, corrosion protection
- Electrical, measurement and control technology

Our know-how extends to planning, regulator and detail engineering and implementation, including construction management for projects in the petroleum and chemicals industries.

- Storage and transshipment facilities for all liquid products
- Transshipment, storage and filling of pressure-condensed gases
- Filling containers with chemical products
- Blending facilities for the production of fuels in accordance with DIN
- Planning and construction of entire tank farms including necessary transport infrastructure, buildings, warehouses and technical systems
- Fire extinguishment systems
- Tank storage automation
- Pipeline monitoring

Planning and execution of projects involving:

- Preplanning/feasibility studies/layout and front-end engineering
- Cost estimates/budget calculation
- Permit filing
- Planning/basic and detail engineering/construction
- Product and service inquiries (bills of quantities)
- Bid evaluation and contract award recommendations
- Contract awarding
- Deadline and planning
- Project oversight for the duration of construction work
- Billing of products and services
- Operational startup
- Handover to operational personnel



SIS provides inspectors, project managers, coordinators, welding coordination personnel etc. for the following tasks:

Inspections

- Tank inspections, our specially qualified personnel are trained for these inspection regimes:
 - DIN 4119 Teil 1 + 2*
 - API 653*
 - EEMUA 159*
- Pre-start up inspection of components (pressure vessels etc.)
- Repeat inspection of available components (pressure vessels, pipes, columns etc.) at the required intervals
- Coordination and inspection oversight for non-destructive materials inspections

Project management

- Project organisation
- Liaison with authorities and independent experts
- Quality management
- Progress monitoring (quantitative and qualitative)
- Project steering (deadlines, procedures, costs)
- Budget and cost management
- Project documentation
- Health and safety

Construction oversight

- Site management
- Local construction oversight and monitoring
- Construction billing
- Follow-up management
- Construction site coordination/health and safety

SIS handles all manufacturer production and deadline monitoring of system components.

- Verification of manufacturer permits to produce components ordered
- Verification of personnel qualifications
- Checking of primary and secondary materials for processing
- Local production monitoring, nationally and internationally
- Non-destructive inspection control
- Acceptance of pressure and seal inspections
- Corrosion protection control
- Component set-up checking



Environmentally compatible degassing

Do you have emissions problems (compliance with TA-Luft or odors affecting the surrounding area)?
SIS has the optimal solution for any situation, proven in industry field use.

Regulatory framework

- Federal Emissions Protection Act (BImSchG)
- Federal Emissions Protection Ordinances (BImSchV)
- Technical Instructions on Noise (TA-Lärm)
- Technical Instructions on Air Quality Control (TA-Luft)

Excerpt from TA-Luft 2002 – section 5.2.6.7

“Emissions reduction requirements for storage tank cleaning”

- Gases and vapors are to be ducted into a gas collection or emissions filtering system
- Emissions occurring during inspections or storage tank cleaning are to be channeled into a combustor or equivalent measures be implemented to reduce emissions.

Excerpt from TA-Luft 2002 – pages 170-171

... For organic materials, a level of 99.9% emissions reduction may not be exceeded based on total carbon or on a mass concentration of 20 mg/m³ based on total carbon;...”

Our combustor fulfill the regulations cited, with an emissions reduction level of > 99.9% or < 20 mg/m³ measured by mass concentration. This emissions production level can be verified on-site as needed.

The following safety regulations are complied with

- Equipment Safety Act (GSG)
- Workplace Safety Ordinance (BetrSichV)
- Technical Regulations for Combustible Liquids (TRbF), in particular TRbF 20 (storage)

All combustor employed have received basic certification from Germanischer Lloyd or TÜV in accordance with TRbF 20.

SIS leases and sells stationary and mobile thermal degasification systems (combustor) for compliance with TA-Luft (Technical Instructions on Air Quality Control -- latest version), providing full-service.

We will be glad to make you an offer based on your specific situation.



SIS GmbH
Diersbütteler Straße 11
D-21385 Rehlingen

Phone: +49 (0) 4132 / 93 99 655
Fax: +49 (0) 4132 / 93 99 656

Web: www.sisgmbh.com
E-mail: info@sisgmbh.com