LIWACOM is a major global supplier of pipeline simulation and optimization software. SIMONE is the industry-leading and most advanced standard software application for simulating and optimizing natural gas flows in pipeline transportation and distribution systems. It covers system design, real-time operation, leak detection, and energy billing.

Beside of Support / Maintenance / Training for the Software SIMONE, LIWACOM offers the following engineering, consulting and study services:

LIWACOM Engineering

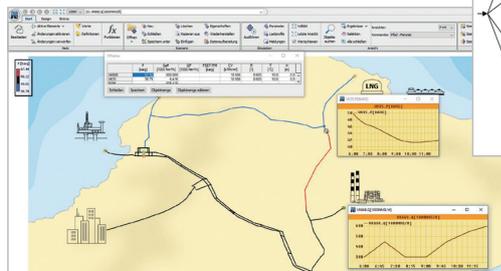### FEED, Basic- and Detail Design in Process, E / MSR-Techniques
General support for engineering services for gas projects.

Preparation, Examination and Documentation of HAZOP / SIL Studies
Preparation, examination and documentation of HAZID / HAZOP and SIL Studies.
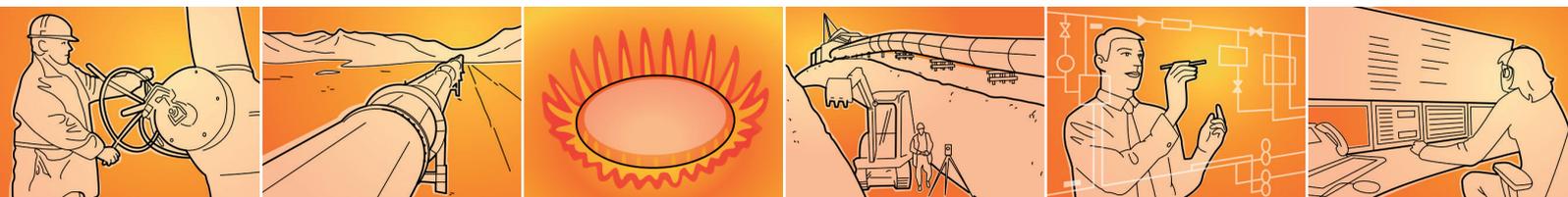
Hydraulic Studies for Gas Transport Systems
Preparation of hydraulic studies for the gas industry and creation of tailormade SIMONE models as support for SIMONE users.

FEED, Basic- and Detail Design in Process, E / MSR-Techniques

Support for preparation of technical enquiries and specifications for gas transport and storage systems, especially

- Pipeline systems,
- Metering stations,
- Compressor stations,
- SCADA systems.

Preparation and Examination of HAZOP / SIL Studies

- Preparation, examination, and documentation of HAZID / HAZOP and SIL studies for gas transport / storage systems.
- Follow up of the created action points.
- Close out report.

Hydraulic Studies for Gas Transport Systems

- Capacity investigations.
- Support for specification of technical enquiries for compressors (e.g. required power, head and volume flow for several operation points).
- Transient pressurization / depressurization for commissioning / decommissioning scenarios.
- Pre-design of depressurization systems.
- Simulation of modifications in existing systems (capacity calculation, e.g. transient behavior of the network for several load profiles).
- Calculation for scenarios with changes in gas quality / calorific values (e.g. new biogas or H_2 injection).
- Training for SIMONE users with individual tailor-made key aspects.

References

FLUXYS

REN

gasunie
transport services

GRTgaz

أرامكو السعودية
saudi aramco

nationalgrid

Open Grid Europe
The Gas Wheel

SWISSGAS

GAZ
system

Contact and Product Support

SIMONE
SOFTWARE

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