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1 Scope

This Linde Standard (LS) defines requirements for quality and HSE for suppliers of the Linde Engineering Division.

These requirements shall ensure that suppliers can deliver their services and products in accordance to social responsibility, occupational health and safety, environmental, quality and time requirements.

2 References

2.1 Normative references

This LS contains provisions which, through dated or undated references in this text, constitute provisions of other publications. The normative references are cited at the respective place in the text and the publications are listed below. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the issues valid at the effective date of contract shall apply.

Regulation (EC) No. 1907/2006 of the European Parliament and the Council concerning the registration, evaluation, authorization and restriction of chemicals (REACH)

ISO 9001	Quality management systems – Requirements
ISO 14001	Environmental management systems – Requirements with guidance for use
OHSAS 18001	Occupational health and safety management systems – Requirements

Code of conduct for suppliers of the Linde Group¹

2.2 Informative references

&AX-Q-QP 1001 (EN) QHSE policy LE division

3 Abbreviations and definitions

Abbreviations

MSDS	Material Safety Data Sheet
HSE	(Occupational) Health, Safety and Environment

Definitions

Supplier	Organisation or person that provides a product. A supplier can be a manufacturer or a dealer.
Manufacturer	Organisation or person responsible for the manufacture or recovery of a product delivered directly or indirectly via a dealer.
Dealer	Organisation or person that buys and resells products but is not a manufacturer.

4 General requirements for quality and HSE

Suppliers shall comply with:

- all applicable legal and regulatory requirements;
- the "Code of conduct for suppliers of the Linde Group"¹;
- all specific requirements for quality and HSE defined in this document (see Para. 5).

Suppliers shall be aware of any applicable legal requirements of the countries to which their product will be finally delivered either by themselves or by Linde Engineering Division.

Suppliers shall ensure that their sub-suppliers and contractors are aware of the requirements defined in this LS and that they comply with them.

Suppliers shall inform Linde Engineering Division of any improvement requirements and prohibition notices by local authorities within the last three years, which are related to the product and/or service delivered to Linde Engineering Division.

¹ "Code of Conduct for Suppliers of the Linde Group", latest issue for download at www.linde.com/supplier-coc or at http://resources.linde.com/wcms/coc/Linde_supplier_Code_of_Conduct.pdf

Suppliers shall meet the local requirements for insurance, incl. liability insurance.

NOTE The Linde Group is a participant of the UN Global Compact, a global alliance of organisations and private businesses which seek to support the protection of human rights and labour standards, to encourage environmental responsibility and to combat corruption. The "Code of conduct for suppliers of the Linde Group" reflects the ten principles of the UN Global Compact.

5 Specific requirements for quality and HSE

5.1 Organisation and commitment

The manufacturer's top management shall demonstrate its commitment to quality and HSE via a written quality and HSE policy stating the company's quality and HSE objectives and goals.

As an alternative, a manufacturer can agree on all principles mentioned in the QHSE policy LE division in writing.

The manufacturer shall employ a designated and qualified internal or external professional for quality and HSE.

5.2 Certification requirements

The manufacturer shall have and maintain a valid certification according to ISO 9001 or an equivalent certification being verified specifically by a third party.

Manufacturers who – at the effective date of contract – have no adequate certified quality management system shall be subject to a case-by-case consideration but shall obtain ISO 9001 certification or an equivalent certification at latest two years after the first contract with Linde Engineering Division.

Manufacturers of such products and services, which are not directly used for the construction and production of process plants or parts of process plants or which are not installed in another context (e. g. facility management, etc.) in the process plant, do not require ISO 9001 certification. This applies also to products and services being ordered in another context, so called indirect material / service.

Dealers do not require an ISO 9001 certification or an equivalent certification, in case they can provide the appropriate certificates of the manufacturers of the delivered product.

In case the properties of the product have been modified by the dealer, the same requirements for the certification apply as for a manufacturer.

Certifications according to OHSAS 18001 and ISO 14001 are recommended.

5.3 Hazard identification, risk assessment and training

Suppliers shall carry out OH&S risk assessments to identify and effectively eliminate or minimise work-related hazards to people through adequate protective measures and controls. All affected employees shall be periodically trained on the hazards related to their work as well as on the necessary protective measures. The respective training records shall be formally documented and archived by the supplier.

Suppliers shall pay special attention on and be able to prove the documented organisation and coordination of hazardous work, such as work at height, work with ionising or non-ionising radiation, work in confined spaces, work with explosive atmospheres, work with burnable, self-igniting or other hazardous materials, etc.

5.4 Production process

All production processes and production parameters that are applied to products delivered to Linde Engineering Division shall be consistently and reproducibly documented. Used materials shall be documented from purchase to processing.

Any checks and tests shall be adequately planned and their results be documented.

5.5 Hazardous materials

Suppliers shall prevent hazardous materials from harming people or the environment, such as the soil or bodies of water, etc.

Asbestos containing materials (ACM) shall not be used and/or applied.

Suppliers shall have available the MSDS for all hazardous materials used or applied in the production process.

Suppliers shall submit MSDS for all delivered hazardous materials.

Any hazardous materials included in a product delivered to Linde Engineering Division (including hydraulic oils and lubricants) shall be approved by Linde Engineering Division in advance.

Suppliers delivering products for Linde Engineering Division to the EU or products intended for use in the EU shall ensure that the requirements of the Regulation (EC) No. 1907/2006 (EU chemical legislation REACH) are complied with within the specified time, in particular preregistration and registration. Linde Engineering Division shall not be obliged in any way to carry out the (pre)registration. Suppliers are aware that their products cannot be used if the requirements of REACH are not completely and properly complied with.

5.6 Work equipment

Suppliers shall equip their employees with any Personal Protective Equipment (PPE) that is required for the work activities they perform, train them on its usage, and ensure the appropriate use. Any required PPE shall be provided free of charge to the individual employees.

Work equipment used for production shall be subject to periodic checks and maintenance. Safety devices and safety functions of work equipment shall be checked periodically by qualified persons.

5.7 Waste management

Suppliers shall maintain an environmentally sound and sustainable waste management.

5.8 Child labour

For the abolition of child labour, the requirements stated in Table 1 apply:

Table 1: Minimum age for different kinds of work²

Kind of work	Minimum age
Light work	13 years
Regular work	15 years
Hazardous work	18 years

6 Violation of the requirements

If suppliers violate the requirements defined in this LS, in addition to other contractual consequences, Linde Engineering Division reserves itself the right to carry out additional supplier inspections and/or audits until the deviations are overcome.

² As defined by the International Labour Organization