

Contents

1	Scope	2
2	References	2
2.1	Normative references	2
2.2	Informative references	2
3	Abbreviations and definitions	2
4	General requirements for quality and HSE	2
5	Specific requirements for quality and HSE	3
5.1	Leadership commitment and QHSE organisation	3
5.2	Certification requirements	3
5.3	Risk management	3
5.4	Product	3
5.5	Services	3
5.6	Transport	4
6	Quality and HSE assurance	4

Remarks on the current issue:

Revision: Update according to Linde supplier code of conduct, editorially revised.

Previous issues: 08.2010, 02.2011, 10.2013, 03.2014

Responsible functional unit(s) for the technical content: GP, QH

X	05	2021-05	Mieske, GPS	Metivier, GCH Pelz, QH	Kaiser, GP
X	04	03.2014	GPS / Buttinger	GP / Gastel DQ / Poettig DH / Gransee	DQ / Schmitt
X	03	10.2013	GPS / Sigel	GP / Gastel DQ / Poettig DH / Gransee	DQ / Schmitt
Status	Issue	Date	Prepared	Checked	Approved

1 Scope

This Linde Standard (LS) defines Linde Engineering 's requirements for *suppliers* concerning their responsibilities towards Linde Engineering and the environment.

2 References

2.1 Normative references

This LS contains undated references to incorporate provisions of other publications. The normative references are cited at the respective place in the text and the publications are listed below. Issues valid at the effective date of contract shall apply.

ISO 9001	Quality management systems - Requirements
ISO 14001	Environmental management systems - Requirements with guidance for use
ISO 45001	Occupational health and safety management systems - Requirements with guidance for use
OHSAS 18001	Occupational health and safety management systems – Requirements
LS 940-03	List of hazardous work
Linde Supplier Code of Conduct ¹	

2.2 Informative references

Linde Health, Safety and Environment (HSE) Policy and Global Quality Policy²
&AX-Q-QP 1011 (EN) Linde Engineering 's quality charter and principles

3 Abbreviations and definitions

Abbreviations

SDS	Safety data sheet
HSE	(Occupational) health, safety and environment
SCoC	Linde Supplier Code of Conduct

Definitions

Supplier	Non-Linde organization that provides a product (as applicable including related services) to Linde Engineering.
Manufacturer	Supplying organisation or person responsible for the manufacture or recovery of a product delivered directly or indirectly via a <i>dealer</i> .
Dealer	Organisation or person that buys and resells products but is not a <i>manufacturer</i> .

4 General requirements for quality and HSE

Suppliers should comply with:

- the "Linde supplier code of conduct"¹ as prerequisite for working with Linde,
- all applicable legal and regulatory requirements,
- all specific requirements defined in this document.

Suppliers shall inform Linde Engineering immediately of any improvement requirements and compliance history including prohibition notices by local authorities, notices of violation, government citations, public complaints within the last three years, which are related to the product and/or service delivered to Linde Engineering.

¹ "Linde Supplier Code of Conduct", latest issue for download at

<https://www.linde-engineering.com/en/services/procurement/expectations-to-suppliers/code-of-conduct-for-suppliers/>

² Linde Health, Safety and Environment (HSE) Policy and Global Quality Policy, latest issue for download at <https://www.linde.com/about-linde/safety-and-environment>

5 Specific requirements for quality and HSE

5.1 Leadership commitment and QHSE organisation

Suppliers shall have positions in their organization with Quality and HSE leadership roles that shall have demonstrated competence to either execute or supervise quality and HSE management tasks.

Manufacturers shall provide a designated and qualified internal or external professional for Quality and HSE.

Dealers shall have the capability and resources to evaluate quality and HSE characteristics of *manufacturer*.

5.2 Certification requirements

Manufacturers shall maintain a valid certification of their quality management system according to ISO 9001 or an equivalent certification being verified specifically by a third party.

Manufacturers and service providers are not required to have an ISO 9001 certificate when they supply products of subordinate importance and services (e.g. products or parts not directly used for the process plant's construction or operation), or products or parts that are not safety critical for the plant processes or operations or products or parts with a value less than 50.000 €.

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

Dealers are not required to have an ISO 9001 certification or equivalent, if they can provide the appropriate certificates of the *Manufacturers* of the delivered product. *Dealers* shall have the necessary business processes implemented that fulfil and support the requirements for a business model integrating a quality management system. If 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 ISO 45001 (alternatively OHSAS 18001) and ISO 14001 are recommended.

5.3 Risk management

Suppliers shall determine, assess and eliminate hazards and reduce HSE risks associated with their products (e.g. hazardous materials or substances, raw materials, equipment, services as well as hazardous work) as defined in LS 940-03 before delivery of the product to Linde Engineering. (see <https://www.linde-engineering.com/en/services/procurement/expectations-to-suppliers/linde-standards/>). *Suppliers* shall ensure that related needs for consultation, communication and training are addressed and documented accordingly.

Suppliers shall have a business recovery plan to guarantee the continuity of their operations or services following a disaster or an accident or a major disrupting event which damages, destroys or interrupts durably their processes.

5.4 Product

Suppliers shall not deliver to Linde Engineering any product which contains or which may generate during its life cycle, under normal or reasonably foreseeable conditions of use, a substance subject to any ban or restriction for manufacture, marketing and/or use under any applicable law or regulation (e.g. radioactive materials, asbestos containing material, REACH chemical substances, restricted hazardous substances in electrical and electronic equipment - RoHS, substances of very high concern - SVHC such as lead in valves, etc.). *Suppliers* shall ensure packaging including wood packaging and packaging waste meet the requirements of applicable law or regulation.

Supplier shall be prepared to declare the material content of products delivered to Linde Engineering and to provide information concerning the process for handling and treatment of delivered products at the end of the products' life. *Suppliers* of hazardous products or chemicals shall provide Safety Data Sheet (SDS) before or at time of the first delivery and when the SDS's content have been updated.

Where the supplier is responsible for design, the supplier should design its product, such as to facilitate dismantling, discarding and elimination at the end of its life cycle, in particular by reducing of the use of any hazardous substances and by minimising waste (including packaging), energy, emissions and resources consumption.

5.5 Services

Suppliers shall not perform any service which is in contradiction to any applicable law or regulation.

5.6 Transport

Suppliers should reduce the environmental impact from transportation (e.g. by using surface transport whenever possible), to use fuel-efficient vehicles when transporting goods or providing services to Linde Engineering.

Suppliers shall be prepared to provide information about environmental aspects of transportation of goods to Linde Engineering (e.g. mode of transport, packaging material, production locations, etc.).

6 Quality and HSE assurance

If *suppliers* do not comply with the requirements defined in this LS, in addition to other contractual consequences, Linde Engineering reserves the right to carry out additional supplier inspections and/or audits until the deviations are overcome.

Suppliers shall require their own suppliers and sub-contractors to comply with the principles and concepts of Linde supplier code of conduct, Linde code of business integrity and LS 940-01.

Linde Engineering reserves the right to verify *suppliers'* compliance with this LS by means of its choice (e.g. survey questionnaire, audit conducted on its own or a third party). *Suppliers* shall provide complete and accurate information, including access to their documentation, notably relevant quality and HSE documentation.

If deviations are discovered, *Suppliers* shall be committed to work on remedies through capacity building, education and training with the support of Linde Engineering. Continued, severe and/or wilful non-conformities are reasons for contract termination as stated in the SCoC.