IECEx and ATEX
QUALITY ASSESSMENT REPORT

ATEX Assessment Report No: 9P08677:A **IECEx QAR No: SE/SP/QAR14.0001/05**

ExCB project no.: 9P08677	
Manufacturer Incl. address with post code	Linak A/S Smedevænget 8, DK-6430 Nordborg, Denmark
Production site(s) audited Include address with post code	Linak A/S Smedevænget 8, DK-6430 Nordborg, Denmark
Product description	Linear actuators type LA14, LA25 and LA36 according to section "Product certificates" below.
Employee count	Total on-site: Approx. 1250 Number involved in Ex products: Approx. 15
Scope of audit	Initial Assessment ☐ Re-Assessment ☒ Surveillance Assessment ☐ **Note:** Assessment according to Annex VII of the ATEX Directive 2014/34/EU and according to the IECEx System. Current QMS certificates: SP14ATEX7158 (ATEX PQAN) and SE/SP/QAR14.0001/04 (IECEx QAR)
Product certificates	Refer to IECEx certificates (CoC), IECEx Ex Test Reports (ExTRs) and ATEX certificates, according to the enclosed list of product certificates 9P08677:C (Appendix 1). The assessment includes new products and/or certificates according to the list.
Equipment with type(s) of protection	d ☐ e ☐ h ☐ i ☐ m ☐ n ☐ p ☐ t ☒ Other *(specify)* ☐ Dust ignition protection by enclosure (tb)
Audit Team Leader	
Audit Date	2019-12-03
IECEx QAR valid until	2023-01-20 (three years following the validity period according to QAR: SE/SP/QAR14.0001/04)

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RISE is approved as an IECEx Certification Body according to IECEx Rules IECEx 02.

1. Summary Report

Assessment Summary and Conclusions:

*(State the most important **results** and **conclusions** of the quality assessment)*

The latest revision of the Company Manual is updated November 2019. Procedures and Work instructions are revised and updated on an ongoing basis. Jens Jacob Laursen and Torben Rasmussen are appointed IECEx / ATEX authorized persons. Jørn S. Larsen is the ISO 9001: 2015 management representative. Responsibilities for authorized persons are described in job description for "Technical Product Manager". Only one change to the existing ATEX/IECEx certificates: TÜV 15 ATEX 143744X and IECEx TUN 14.0020X have been updated now to state T135 and T125 instead of only T135. Linak A/S has demonstrated ISO/IEC 80079-34:2018 (and Annex ZA & ZB of EN ISO/IEC 80079-34:2011 for ATEX) understanding and implementation as well as good understanding of the importance of the efficiency and effectiveness of relevant IECEx / ATEX processes. Linak A/S employs approx. 2000 persons globally and approx. 1250 of these in Denmark. Approximately 15 persons have been trained and are involved in the production of this product. The corrective and preventive action system is effectively implemented. The internal audit system includes requirements of ISO/IEC 80079-34:2018 and the few findings raised are assessed as relevant for the improvement of the system. At the latest ordinary IECEx / ATEX audit, performed by RISE on April 30th 2018, no finding and only one observation was raised. The management review system as well as the internal audit process is effectively implemented. At this audit no non-conformities were issued, but one observation was made.

Next Quality Audit due: **June 2021 – Surveillance audit** to be done not later than 18 months after the Product Quality Assurance Notification (ATEX PQAN) and Quality Assessment Report (IECEx QAR) are issued (re-certification to be done within 36 months).

Non-Conformities

One minor non-conformities (KH1) and two observation (KH2-KH3), see non-conformity report (NCR) 9P08677:B (Appendix 2) for details.
Corrective actions to non-conformity KH01 have been accepted by KH 09.01.2020

Audit Team Leader Recommendations

☐ **Certification to be issued/maintained** once satisfactory technical assessment of the product is completed and a test report is issued

☒ **Certification to be issued/maintained*** following receipt of satisfactory documentary evidence supporting effective corrective action, and a test report is issued. Corrective action to be verified at next surveillance visit

☐ **Certification to be issued/maintained* following a satisfactory follow-up visit** and verification that corrective actions have been effectively documented and implemented, and test report issued.

☐ **Certification to be refused/suspended*** A further complete assessment to be conducted

☐ **Certification to be refused/suspended*** Close the application/withdraw the notification and inform the Scheme Administrator

20.01.2020	**20.01.2020**
Klaus M. Hansen **Audit Team Leader, Date**	Peter Bremer **ExCB Representative,** **Date** (report issue date) *Sign to accept Audit Team Leader recommendations and QAR*

2. Audit Information

2.1 Scope of Audit:

Type A initial assessment/reassessment of manufacturer with a certified QMS*…… ☒

Type B initial assessment/reassessment of manufacturer without a certified QMS….. ☐

Type C surveillance of manufacturer with a certified QMS*…….. ☐

Type D surveillance of manufacturer without a certified QMS…….. ☐

** where manufacturer has a certified quality system, include certification/registration body, date of registration, certificate No. and scope or append a copy of the certificate (including scope)*

The manufacturer holds an ISO 9001: 2008 Certificate No.: DK005683-1 issued by Bureau Veritas, with the following scope:
Development, Production and Sales of electromechanical actuators with control systems

2.2 Audit Criteria:

List any other reference documents, against which Audit was conducted

IECEx: ISO/IEC 80079-34:2018 (ed 2.0)
ATEX: ISO/IEC 80079-34:2018 (ed 2.0) and Annex ZA and ZB of EN ISO/IEC 80079-34:2011
(incl. applicable parts of ISO 9001:2015)

2.3 Date(s) and Duration of Audit:

2019-12-03, 1 auditor day

Include total number of auditor days on site

2.4 Details of ISO 9001 Certification:

See the enclosed ISO 9001:2015 certificate (Appendix 3) for details.

If ISO 9001 certified, are non-conformities from latest ISO 9001 audit reviewed?
Yes ☒ No ☐ N/A (no NCs) ☐

Comments to ISO 9001 non-conformities:

All non-conformities from last re-certification audit are handled and corrective actions have been implemented.

2.5 Composition of Audit Team:

Name	Position	Role in Audit *(Sole Auditor, Team Leader, Auditor, Technical Specialist etc)*
Klaus M. Hansen	Lead Auditor	Lead auditor, Sole Auditor, Technical Specialist

2.6 Interviewed Representatives of Manufacturer (Auditee):

Name	Position
Jørn S. Larsen	Quality Assurance Engineer L14, L25 / Authorized Person
Torben Rasmussen	Technical Product Manager L36 / Authorized Person
Claus Boysen	Supervisor - Techline
Jens Laursen	Technical Product Manager L14 and LA25
Helge Kock	Quality area Manager
Uwe Boisen	Supply chain Manager

2.7 Critical Suppliers:
(*List critical suppliers reviewed during audit of supplier evaluation)*

Name of Supplier	Critical item or service provided
Betech seals	Gaskets
Parker	O-Rings
i-vanal, Ching Ming	Enclosure housing
Alumeco	Aluminium profiles
Elvi	Motors

2.8 Manufacturers Documentation:
(*List manufactures documentation related to this Quality Audit Report)*

Example of documents related to the audit, which have been partly or wholly subject to review at the assessment (further documents has been have been reviewed or presented for the assessment):

Document No.	Document Name	Rev.	Date
	Quality Handbook		November 2019
CP 120	Internal audit		
QA 29-08-009	Auditplan og krydsreference		
QA 89-08-001	Inspiration til kvalitets audit		
GP 113	Product Labels	08	
0362103-A	Label (Drawing)		

2.9 Manufacturers IECEx Certificates of Conformity:

See “Product certificates” on page 1 (and the list of product certificates 9P08677:C according to Appendix 1).

3. Documentation Review and Assessment of Implementation

(For surveillance audits, major document changes only may be reviewed)

NOTE 1: Manufacturer’s Document References need only to reference the document number (and if desired the title) as the title and revision status is listed in 2.7. Comments are entered by the auditor to document compliance or noncompliance of a clause.

NOTE 2: Even when there are no additional IEC/ISO 80079-34:2018 requirements to ISO 9001:2005 the auditor shall provide a verdict in accordance with the Note 3 below.

NOTE 3: Possible audit verdicts: P = Pass, F = Fail, NCN number against a clause means Non-conformity, N/A = Not applicable

In addition to the nonconformity (KH01) specified below, two observations (KH02 and KH03) have been made, according to section 1 above and according to Appendix 2.

Clause	Requirement	Documents reference and/or comments	Verdict
4.1	**Understanding the organization and its context** 4.1 of ISO 9001:2015 applies with the following addition:		
	In regard to this document, the context of the organization is to ensure that any Ex Product is in accordance with its certificate and technical documentation.	See Note 1 below.	**P**
4.2	**Understanding the needs and expectations of interested parties**	Manufacturers ISO 9001 QMS complies.	**P**
	4.2 of ISO 9001:2015 applies.		
4.3	**Determining the scope of the quality management system**	Manufacturers ISO 9001 QMS complies.	**P**
	4.3 of ISO 9001:2015 applies.		
4.4	**Quality management system and its processes** 4.4 of ISO 9001:2015 applies with the following addition:		

Clause	Requirement	Documents reference and/or comments	Verdict
	The quality management system shall ensure that the Ex Product conforms to the type described in the certificate and the technical documentation.	See Note 1 below.	**P**
5.1.1	**General** 5.1.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
5.1.2	**Customer focus** 5.1.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
5.2.1	**Establishing the quality policy** 5.2.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
5.2.2	**Communicating the quality policy** 5.2.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
5.3	**Organizational roles, responsibilities and authorities** 5.3 of ISO 9001:2015 applies with the following additions:		
	Ex authorized person(s) shall be appointed with defined and documented responsibilities and authority to ensure the following requirements are met:		
	a) the effective co-ordination of activities with respect to Ex Products;	See Note 1 below.	**P**
	b) the liaison with the issuer of the certificate (when not issued by the manufacturer) with respect to any proposed change to the design defined in the certificate and the technical documentation;	See Note 1 below.	**P**
	c) the liaison with the body responsible for the verification of the quality management system with respect to intended updating of the quality management system; NOTE It is not practicable for the manufacturer to inform the body responsible for the verification of the quality management system each time the quality management system is updated. It is only practicable to inform them of "substantial" updating of the quality management system relevant to the Type of Protection. Similarly, it is not practicable to specify in general terms what types of updating are or are not "substantial". It is therefore normal that the manufacturer informs the body responsible for the verification of the quality management system on any update of the quality management system having consequences on Ex Product compliance. The change of an Ex authorized person is considered as a “substantial” change.	See Note 1 below.	**P**
	d) the authorization of initial approval and changes to related drawings, where appropriate;	See Note 1 below.	**P**
	e) the authorization of concessions (see 8.7 f));	See Note 1 below.	**P**
	f) the accuracy of relevant information regarding Ex Product given to the customer for any sales literature and installation instructions (which shall include applicable Specific Conditions of Use and any Schedule of Limitations); NOTE Ex Equipment Certificate numbers with a suffix “X” contain Specific Conditions of Use. Ex Component certificates numbers, with a suffix “U” may contain a Schedule of Limitations.	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	g) the effective coordination of manufacturing processes related to Ex Products including externally provided products, services and processes detailed in 8.4; In the case of a manufacturer with multiple manufacturing sites an Ex authorized person with relevant responsibilities shall be appointed for each site.	See Note 1 below.	**P**
	Records demonstrating this shall be available and be maintained as documented information.	See Note 1 below.	**P**
6.1	**Actions to address risks and opportunities** 6.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
6.2	**Quality objectives and planning to achieve them** 6.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
6.3	**Planning of changes** 6.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.1.1	**General (Support and Resources)** 7.1.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.1.2	**People** 7.1.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.1.3	**Infrastructure** 7.1.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.1.4	**Environment for the operation of processes** 7.1.4 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.1.5	**Monitoring and measuring resources** 7.1.5 of ISO 9001:2015 applies with the following addition:		
	When monitoring or measuring is used to verify the conformity of Ex Products, the measuring equipment shall be calibrated and a valid calibration certificate shall exist. Verification of measuring equipment against calibrated equipment is also permitted as long as it is properly documented. The calibration certificate shall meet one of the following requirements:	See Note 1 below.	**P**
	a) Where a calibration certificate bears an accreditation, logo issued by an accredited calibration laboratory (which can demonstrate that it operates in compliance with an internationally recognized standard and is covered by a multilateral international agreement) the calibration laboratory need not be subjected to further evaluation.	See Note 1 below.	**P**
	b) Where a calibration certificate does not bear the accreditation logo of a national accreditation authority, each calibration certificate shall include at least the following information:	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	· an unambiguous identification of the item calibrated; · evidence that the measurements are traceable to international or national measurement standards; · the method of calibration; · a statement of compliance with any relevant specification; · the calibration results; · the uncertainty of measurement, where necessary; · the environmental conditions, where relevant; · the date of calibration; · the signature of the person under whose authority the certificate was issued; · the name and address of the issuing organization and the date of issue of the certificate; · a unique identification of the calibration certificate.		
	c) Where a calibration certificate does not bear the accreditation logo of a national accreditation authority or does not contain the information listed in 7.1.5 b), the manufacturer shall demonstrate a valid relationship to international or national measurement standards by other means (e.g. a documented site assessment).	See Note 1 below.	**P**
7.1.6	**Organizational knowledge** 7.1.6 of ISO 9001:2015 applies.	See Note 1 below.	**P**
7.2	**Competence** 7.2 of ISO 9001:2015 applies with the following addition:		
	The manufacturer shall have a documented process to identify and ensure that all persons having an impact on the compliance of Ex Products are trained and competent. NOTE 1 Parties who might have an impact on the compliance of Ex Products are the Ex authorized person(s), manufacturing, inspecting, testing, sales, marketing, supply management, calibration and quality control services and other services. NOTE 2 Competence requirements of 7.2 also address the awareness of 7.3.	See Note 1 below.	**P**
7.3	**Awareness** 7.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
7.4	**Communication** 7.4 of ISO 9001:2015 applies with the following addition:		
	Internal and external communication relating to Ex Products shall be controlled. NOTE 1 Communication includes manufacturer documentation, technical documentation, certificates, nonconforming products placed on the market, etc. NOTE 2 External communication includes communication with clients, certification bodies, providers, economic operators	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	(authorised representatives, importers, distributors, external providers …), authorities etc.		
7.5.1	**(Documented information) General** 7.5.1 of ISO 9001:2015 applies with the following addition:		
	All requirements and provisions adopted by the manufacturer to ensure compliance of Ex Products with their certificates and technical documentation, and to demonstrate compliance to this document, shall be appropriately documented in a systematic and orderly manner. This may be achieved in the form of manuals, policies, procedures, instructions, flowcharts, spread sheets, forms, or other appropriate means. The quality management system documentation shall permit a consistent interpretation of quality programs, plans, manuals and records	See Note 1 below.	**P**
7.5.2	**Creating and updating**	Manufacturers ISO 9001 QMS complies.	**P**
	7.5.2 of ISO 9001:2015 applies.		
7.5.3	**Control of documented Information** 7.5.3 of ISO 9001:2015 applies with the following addition:		
	a) technical documentation and manufacturer's documentation shall be controlled;	See Note 1 below.	**P**
	b) documented procedures shall ensure that information contained within manufacturer's documentation is compatible with the technical documentation. The manufacturer shall not initially approve or subsequently amend related drawings unless they are in compliance with the schedule drawings;	See Note 1 below.	**P**
	c) the quality management system shall ensure that no factor (type, characteristic, position etc.) defined within the certificate and technical documentation (e.g. schedule drawings) is modified unless otherwise permitted by the issuer of the certificate;	Please refer to KH01 (Minor NC)	**F**
	d) there shall be a documented system that refers all related drawings to the relevant schedule drawings;	See Note 1 below.	**P**
	e) where there are common schedule drawings associated with more than one certificate, there shall be a documented system to ensure simultaneous supplementary action in the event of an amendment to such drawings; NOTE Some manufacturers use common components with common drawing numbers on more than one product and then have more than one person responsible for the end products. A compliant QMS would assure	See Note 1 below.	**P**
	f) where a manufacturer also has drawings for products that are not Ex Products, the manufacturer shall have a system that enables	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	both the related drawings and schedule drawings to be clearly identified; NOTE The following examples indicate some methods to achieve this: – the use of visual markers; – the use of a unique series of drawing numbers, e.g. all drawings concerning a certified Ex Product have an Ex prefix to the drawing number; – the use of a computerized relational database with indentured “Bills of Materials” that identify all Ex critical documents, components and controls unauthorized changes can also be acceptable.		
	g) the manufacturer shall document the body responsible for the verification of the quality management system of each certificate; NOTE In some Certification Schemes, the body responsible for the verification of the quality management system associated with each certificate can be different from the body that issued the certificate.	See Note 1 below.	**P**
	h) where technical documentation or manufacturer’s documentation are passed to a third party, they shall be provided in a way that is not misleading;	See Note 1 below.	**P**
	i) the manufacturer shall have a documented process to annually check the validity of all Ex related certificates, standards, regulations and other external specifications;	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	j) the manufacturer shall retain adequate quality records to demonstrate conformity of the Ex Products. A minimum of 10 years retention after each Ex Product (batch) has been placed on the market is required. As a minimum, the list of quality records requiring control and retention, as far as applicable, shall be: · those arising from regulatory requirements; · quality documented information; · responsibilities and authorities for Ex relevant roles assignment and communication within the organization; · customer order; · contract review; · training records; · design and development changes; · inspection and test data (per batch); · calibration data; · manufacturing traceability; · sub-contractor evaluation; · delivery data (customer, delivery date and quantity, including serial numbers where available); · other documented information, if needed.	See Note 1 below.	**P**
8.1	**Operational planning and control** 8.1 of ISO 9001:2015 applies with the following addition:		
	The information in Annexes A and B for control and acceptance of processes for Ex Products are one method to ensure compliance with the requirements of the certificate. If other methods are used, they should be evaluated to ensure full compliance with the requirements of certification.	See Note 1 below.	**P**
8.2.1	**Customer Communications** 8.2.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
8.2.2	**Determining the requirements for products and services** 8.2.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
8.2.3	**Review of the requirements for products and services** 8.2.3 of ISO 9001:2015 applies with the following addition:		
	The review shall ensure that any stated customer requirement is compatible with the certificate e.g. equipment group, temperature class, Type of Protection, Equipment Protection Level (EPL) and ambient temperature range. In some situations, such as internet sales, a formal review might be impractical. In such a case the appropriate information shall be made available to the customer.	See Note 1 below.	**P**
8.2.4	**Changes to requirements for products and services** 8.2.4 of ISO 9001:2015 applies with the following addition:		

Clause	Requirement	Documents reference and/or comments	Verdict
	The Ex authorized person(s) identified in 5.3 shall be involved in any changes (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.	See Note 1 below.	**P**
8.3.1	**General (Design and development of products and services)**		
	8.3.1 of ISO 9001:2015 is not within the scope of this document.		
8.3.2	**Design and development planning**		
	8.3.2 of ISO 9001:2015 is not within the scope of this document.		
8.3.3	**Design and development Inputs**		
	8.3.3 of ISO 9001:2015 is not within the scope of this document.		
8.3.4	**Design and development controls**		
	8.3.4 of ISO 9001: 2015 is not within the scope of this document.		
8.3.5	**Design and development outputs**		
	8.3.5 of ISO 9001:2015 is not within the scope of this document.		
8.3.6	**Design and development changes** 8.3.6 of ISO 9001:2015 applies with the following addition:		
	The Ex authorized person(s) identified in 5.3 shall be involved in the approval process of any substantial modification or change (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.	See Note 1 below.	**P**
8.4.1	**General (Control of externally provided processes, products and services)** 8.4.1 of ISO 9001:2015 applies with the following addition:		
	a) while manufacture, test and final inspection may be sub-contracted, the responsibility for ensuring conformance with the certificate and the technical documentation shall not be sub-contracted;	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	b) external providers providing a product, process, or service that can affect the Ex Product's compliance with the certificate shall only be selected after an evaluation has provided evidence that they have the capability of ensuring compliance with all specified requirements; 1) documented objective evidence that the external provider can provide product, process or service that is fit for purpose shall be made by one or more of the following methods: – the external provider has an acceptable Ex quality management system according to this document assessed by an accredited body, – the external provider has a quality management system certificate in accordance with the appropriate standard and with an acceptable scope, NOTE A certificate issued by an accredited body which can demonstrate that it operates in compliance with ISO/IEC 17021 is generally acceptable; depending on the nature of the product, process, or service, a quality management system in accordance with ISO 9001:2015 might not be sufficient. – a documented site assessment to ensure that all relevant controls are available, documented, understood and effective. NOTE The evaluation takes the following into account: – criticality of the product, process or service; – degree of difficulty, or variability in the manufacturing process; – location of the external provider and hence the effectiveness of communications; – subcontracting of the product, process or service.	See Note 1 below.	**P**
	2) where the features affecting the Type of Protection cannot be verified at a later stage or are not verified by the manufacturer e.g. encapsulated intrinsically safe circuits, then the product, process, or service shall only be accepted by one of the following methods: – the manufacturer can demonstrate that the control process implemented by the external providers ensures Ex compliance, – the body responsible for the verification of the quality management system performs periodic audits at the external providers.	See Note 1 below.	**P**
	c) external providers providing calibration services (including verification on measuring devices by comparison with calibrated equipment) shall be evaluated on their ability to meet stated requirements as well as the requirements of 7.1.5;	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	d) external providers not used for a period exceeding one year shall be re-evaluated in accordance with 8.4.1 b) prior to the placing of a contract or a purchase order;	See Note 1 below.	**P**
	e) requirements 8.4.1 b) and 8.4.1 d) are not mandatory for products, processes or services where the manufacturer verifies conformance according to 8.4.2;	See Note 1 below.	**P**
	f) the ongoing ability of the external providers to provide conforming product, process or service shall be reviewed at periods not exceeding one year; NOTE 1 "Review" is a process by which the manufacturer demonstrates the ongoing suitability and performance in accordance with 8.4.1 b) and c) of their external providers e.g. receiving inspection report analysis. NOTE 2 The terms "re-evaluation" and "review" have different meanings.	See Note 1 below.	**P**
	g) The manufacturer shall facilitate an arrangement whereby the body responsible for the verification of the Ex quality management system may also verify aspects of any external provider's operation that affects the Type of Protection.	See Note 1 below.	**P**
8.4.2	**Type and extent of control** 8.4.2 of ISO 9001:2015 applies with the following addition:		
	a) for purchased processes, products and services that can compromise the Type of Protection, the manufacturer shall determine and implement verification arrangements which demonstrate the product's compliance with the certificate, considering the nature of the product and the nature of the external provider;	See Note 1 below.	**P**
	b) when deciding what type of verification is required for a particular purchased process, product or service, the manufacturer shall consider the nature of the purchased product, the external provider, and how critical it is to the Type of Protection. In considering whether the external provider should carry out the verification, the manufacturer should consider the results of their evaluation carried out under 8.4.1. The decision should reflect the competence of the external provider, including whether they have a quality management system that covers the activity, the resources, e.g. equipment, and the people with sufficient skill and experience to do it. This latter point is particularly significant when judgement is required, such as when inspecting a flameproof casting. When the manufacturer elects to have the external provider carry out test or inspection that is relevant to the Type of protection, the product may be supplied with a	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	declaration of conformity that confirms it has been done;		
	c) where the external provider has been evaluated and documented objective evidence has been obtained to demonstrate that the external provider is fully capable of producing and verifying the process, product or service, no further verification of the process, product or service is required, if a declaration of conformity is supplied for each batch or product;	See Note 1 below.	**P**
	d) where the certificate specifies routine tests or inspections, these shall be carried out on each and every product. They may be carried out by either the external provider or the manufacturer. When carried out by the external provider they shall be specified on the purchasing documents, e.g. by a quality plan, and confirmed by the external provider e.g. by a declaration of conformity including test results, if required;	See Note 1 below.	**P**
	e) where verification of a purchased product cannot be carried out after manufacture, e.g. the internal parts of an encapsulated intrinsically safe circuit, then the product shall only be accepted if supplied with a declaration of conformity. This shall specifically state compliance to the purchase documents, e.g. a quality plan, that lists the factors that together demonstrate conformity of the product;	See Note 1 below.	**P**
	f) where sample inspections or tests are permitted, they shall be conducted in a manner which demonstrates conformity of the entire batch;	See Note 1 below.	**P**
	g) where either the external provider or the manufacturer requires training or specialist skill or knowledge to carry out a verification, then the training material, specialist skill, knowledge or background shall be documented and training records maintained;	See Note 1 below.	**P**
	h) where the manufacturer chooses not to carry out inspections and tests at its own premises, then inspections and tests shall be performed on the external provider's premises under the responsibility of the manufacturer;	See Note 1 below.	**P**
	i) where an external provider provides product with evidence of conformity applicable to use in an explosive atmosphere, (e.g. certificate), then further verification is not required unless the manufacturer considers it necessary;	See Note 1 below.	**P**
	j) Where a verification of purchased product is relative to material (metals, alloys, nonmetallic	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	parts, resins and similar), a specific analysis certificate or declaration shall be supplied;		
	k) One of the following processes shall be used to verify the continued conformity of the materials critical to the applied Type of Protection, used in the production of the Ex Products: 1) Review the Declaration(s) of Conformity from the external provider of the material within the supply chain that can impact the material characteristics; as applicable; to demonstrate that the material used in the production of the Ex product is in accordance with the schedule drawings. 2) Review the material manufacturer's confirmation that the material maintains the particular material properties of concern; e.g. flammability, CTI, RTI, or UV resistance, chemical composition, physical properties. 3) Review the material manufacturer's process and data for the validation of material characteristics. 4) Confirmation that equipment testing, necessary to confirm the material is in accordance with the certificate or schedule drawings, is repeated as required. Alternative processes may be utilized if it can be demonstrated that they provide the same level of conformity. Receipt or acceptance of a declaration of conformity does not absolve the manufacturer from responsibility to ensure continuing conformity. NOTE Annex C provides guidance for the development of an external provider's declaration of conformity.	See Note 1 below.	**P**
8.4.3	**Information for external providers** 8.4.3 of ISO 9001:2015 applies with the following addition:		
	a) the purchasing documents shall clearly describe the specific requirements pertaining to externally provided product set out in the certificate and the technical documentations (e.g. for process control, testing or inspection); NOTE For particular types of product e.g. castings, machined items and assemblies, the purchasing documents commonly include specific references to required drawings, test procedures, inspection procedures, material certificates, test reports and Declarations of Conformity.	See Note 1 below.	**P**
	b) for items where conformance cannot be verified after manufacture (e.g. encapsulated intrinsically safe circuits), the purchasing information shall set	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	out the specific quality procedures, resources and sequence of activities relevant to the particular item;		
	c) the manufacturer shall define the method by which documents e.g. technical specifications, stated in a particular purchase order remain traceable to the order;	See Note 1 below.	**P**
	d) where the manufacturer does not provide such documents with subsequent orders, then the manufacturer shall have documented procedures for ensuring that external providers have current copies of documents and that their integrity be maintained.	See Note 1 below.	**P**
8.5.1	**Production and service provision (Control of production and service provision)** 8.5.1 of ISO 9001:2015 applies with the following addition:		
	The manufacturer shall provide procedures, production equipment, working environments and inspection/testing facilities that together provide assurance with respect to the compliance of the Ex Product with its technical documentation.	See Note 1 below.	**P**
	Where a process can affect the integrity of a Type of Protection, and where the resulting integrity cannot be verified after manufacture (e.g. the environmental conditions required for curing an encapsulant), that specific process shall be measured or monitored and documentary evidence shall be maintained to demonstrate compliance with required parameters (Annex A can be used to demonstrate compliance).	See Note 1 below.	**P**
8.5.2	**Identification and traceability** 8.5.2 of ISO 9001:2015 applies with the following addition:		
	a) the manufacturer shall establish and maintain procedures for product identification during all stages of production, testing, final inspection and placing on the market;	See Note 1 below.	**P**
	b) traceability is required with respect to the final product and its significant parts. Traceability can be achieved using serial number, batch or other acceptable method. NOTE Significant parts are, for example, a printed circuit board (PCB) and safety component of an intrinsically safe circuit, but not each electronic component on a PCB. The significant part can be defined in the technical documentation during the processes of the product assessment.	See Note 1 below.	**P**
8.5.3	**Property belonging to customers or external providers** 8.5.3 of ISO 9001:2015 applies with the following addition:		
	It is the responsibility of the manufacturer to verify the compatibility of a product supplied by a customer or an external provider with the requirements of the certificate.	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
8.5.4	**Preservation** 8.5.4 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
8.5.5	**Post-delivery activities** 8.5.5 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
8.5.6	**Control of changes** 8.5.6 of ISO 9001:2015 applies with the following addition:		
	The Ex authorized person(s) identified in 5.3 shall be involved in changes (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.	See Note 1 below.	**P**
8.6	**Release of products and services** 8.6 of ISO 9001:2015 applies with the following addition:		
	Where routine tests are required by the certificate and technical documentation, these tests shall be performed as specified. Unless specifically permitted by the certificate and the technical documentation, statistical methods shall not be used.	See Note 1 below.	**P**
	Ex Products shall only be released after final inspection and testing have been satisfactorily completed. The manufacturer shall provide customers with instructions prepared in accordance with the relevant standards or statutory and regulatory requirements, including any Specific Conditions of Use or particulars of possible misuse.	See Note 1 below.	**P**
8.7	**Control of nonconforming outputs** 8.7 of ISO 9001:2015 applies and the following shall be defined:		
	a) the manufacturer shall maintain a documented system, such that in the event of an Ex Product not conforming to the certificate and having been supplied, then the manufacturer's customer can be identified;	See Note 1 below.	**P**
	b) the manufacturer shall take action, appropriate to the degree of risk, where nonconforming Ex Product has been supplied to a customer. It is recommended that the manufacturer liaise with the body responsible for the issue of the certificate;	See Note 1 below.	**P**
	c) where unsafe nonconforming Ex Products have been supplied to a customer, the manufacturer shall, in writing, inform its customer and the body responsible for the verification of the quality management system and the issuer of the certificate;	See Note 1 below.	**P**
	d) where it is not possible to trace unsafe nonconforming Ex Products (e.g. Ex Products supplied via a distributor, or for high volume Ex Products such as Cable Glands) then a notice shall be placed in appropriate publications providing recommended action to be taken;	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	e) for all nonconforming Ex Products that have been supplied to a customer, the manufacturer shall maintain, for a minimum period of 10 years, records of: • serial numbers or identification of Ex Products supplied; • the customer who received the Ex Products; • the action taken to inform customers and the body responsible for the verification of the quality management system in the case of unsafe nonconforming Ex Products; • the action taken to implement corrective and preventative action;	See Note 1 below.	**P**
	f) concessions for Ex Products that take the Ex Products outside the design as defined in the certificate and technical documentation are not permitted.	See Note 1 below.	**P**
9.1.1	**General (Monitoring, measurement, analysis and evaluation)** 9.1.1 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
9.1.2	**Customer satisfaction** 9.1.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
9.1.3	**Analysis and evaluation** 9.1.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
9.2	**Internal audit** 9.2 of ISO 9001:2015 applies with the following addition:		
	a) The audit program shall address the effectiveness of the elements of the quality management system as described in this document to ensure that the Ex products are in conformity with the certificate. The maximum period between audits shall not exceed 14 months.	Please also refer to observation KH03 See Note 1 below.	**P**
	b) One method of demonstrating effectiveness is the use of vertical auditing whereby an Ex Product awaiting dispatch is used to prove the system. The auditor examines all aspects of the system associated with the production of that Ex Product from a certification viewpoint. This normally includes appropriate documentation (drawings, inspection checklists, test records, material certificates etc.), Ex Product identification, handling, storage, training of staff and any other elements of the system which can affect the compliance of the Ex Product to the certification parameters.	Please also refer to observation KH02 See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	c) For those manufacturers that employ checklists to assist in their internal audit programs, the inclusion of the requirements of this document into the appropriate checklists, and the retention of internal audit records, is an alternative method of addressing this requirement. Manufacturers may employ either method or some other equivalent method.	See Note 1 below.	**P**
9.3.1	**Management review (General)** 9.3.1 of ISO 9001:2015 applies with the following addition:		
	a) the maximum intervals between reviews shall not exceed 14 months; b) top management shall chair the review; c) the Ex authorized person(s) responsible for the activities as detailed in 5.3 shall participate in the review. The review shall include the overall effectiveness of the quality management system with respect to Ex Products, including results of internal and external audits. NOTE Review of results of internal and external audits would provide evidence of the effectiveness of the quality management system.	See Note 1 below.	**P**
9.3.2	**Management review inputs** 9.3.2 of ISO 9001: 2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
9.3.3	**Management review outputs** 9.3.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
10.1	**General (Improvement)** 10.1 of ISO 9001:2015 applies.		
	The organization shall retain documented information as evidence of: a) the nature of the nonconformities and any subsequent actions taken; b) the results of any corrective action.	See Note 1 below.	**P**
10.2	**Nonconformity and corrective action** 10.2 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**
10.3	**Continual improvement** 10.3 of ISO 9001:2015 applies.	Manufacturers ISO 9001 QMS complies.	**P**

Annex A (informative)

Information relevant to particular Types of Protection and specific Ex Products

The following non-applicable sections of Annex A (for non-applicable type of protections etc), are not included in the table below: A.3 – A.10, A11.5 and A.12-A.18

Clause	Requirement	Documents reference and/or comments	Verdict
A.1	**Overview**		
	This annex provides information on those aspects that the quality management system should address with respect to particular types of protection. It does not add to or otherwise change the requirements of this document. This annex provides examples of how to meet the requirements of this document, recognizing that other methods which achieve the same objectives are equally acceptable; and draws attention to aspects of requirements that might not be readily apparent to those unfamiliar with quality management systems for products intended for use in explosive atmospheres. NOTE The following examples do not cover all Types of Protection but give some advice and will be supplemented in the next edition.		
A.2	**General**		
	Schedule Drawings, which support the certificate of the Ex Product, may provide conditions for the particular Type of Protection. All markings should be in accordance with schedule drawings. For enclosures and other components forming part of the enclosure and for fans, fan hoods and ventilation screens, the manufacturer should verify the material composition (e.g. External Provider's Declaration of Conformity, see Annex C). Statistical bases are not appropriate for routine tests required by the certificate, except where the following currently permit such techniques: · the relevant standard; or · appropriate interpretation and clarification sheets; All measurements should consider temperature variations.		
A.11	**Ex t – Dust ignition protection by enclosure covered by IEC 60079-31**		
A.11.1	**Casting**		
	Castings should be subject to verification that demonstrates conformity with the schedule drawing, e.g.: a) wall thickness (including the non-machinable parts); b) cracks, inclusions, bubbles and porosity.	See Note 1 below.	**P**
A.11.2	**Enclosure parts**		
	Enclosure parts should be subject to verification that demonstrates conformity with the schedule drawing, e.g.: a) depths of bore holes and tap holes;	See Note 1 below.	**P**

Clause	Requirement	Documents reference and/or comments	Verdict
	b) dimensional requirements for those enclosure parts relevant for sealing effectiveness or mechanical stability; c) insulating coatings and surface conditioning; material, layer thickness.		
A.11.3	**Gaskets**		
	Documented procedures should address the following: a) the gaskets correspond to the quoted specification; b) the sealing elements' effectiveness, e.g. by checking the sealing elements' correct fit. If a gasket's correct fit becomes apparent only after assembly, the imprint could be visually examined, e.g. by use of adequate tools such as chalk.	See Note 1 below.	**P**
A.11.4	**Protection devices**		
	Protection devices should be subject to verification that demonstrates conformity with the schedule drawings. Wherever protection devices (e.g. thermal safety devices) are specified in the certificate, they should be verified according to type and placement.	See Note 1 below.	**P**
A.11.6	**Ingress protection (IP)**		
	Documented procedures should ensure that the following is verified: a) weld continuity; b) fitting of gaskets and seals; c) continuity of moulded grooves and tongues; d) application of cements including a visual inspection after curing.	See Note 1 below.	**P**
A.11.7	**Routine verifications and tests**		
	All tests should be documented. Typical tests include: a) the visual inspection; b) further verification and test requirements can result from the concepts of the dusts explosion protection standards. However, these can essentially be derived from the requirements for the types of protection listed so far.	See Note 1 below.	**P**

Annex	Requirement	Documents reference and/or comments	Verdict
Annex B (all clauses)	**Verification criteria for elements with non-measurable paths used as an integral part of a Type of Protection**		**N/A**

Applied complementary requirements and information according to EN ISO/IEC 80079-34:2011, related to ATEX Directive 2014/34/EU:

Clause/ Annex	Requirement	Documents reference and/or comments	Verdict
Annex ZA	**Normative references to international publications and the corresponding European publications**	See Note 1 below.	**P**
Annex ZB (all clauses)	**Information relevant to equipment and protective systems according to standards harmonized under Directive 94/9/EC [read as: 2014/34/EU]**		**N/A**

Note 1: Refer to applicable parts of section 2.8 regarding documents, and applicable parts of section 4 regarding comments.

4. Observations

Review of the quality system (manual / procedures / instructions)

- Quality handbook is updated November 2019. Procedures, instructions and registration schemes are updated continuously. The quality system is very dynamic and proposals for improvement of the system are seriously and effectively handled.
- Customer complaints are handled acc. to procedure CP104. No complaints related to ATEX/IECEx products received during the last period related to IECEx / ATEX products.
- Customer complaints will be handled and registered in 8-d reports and closed according to time scales described in procedure.
- Legal requirements are controlled via “Danish Standard” and “Lovbiblioteket” subscriptions.

Conditions for safe use

- In the EC- and EU-Type Examination Certificates and the IECEx ExTRs there are conditions for safe use which are fully communicated to the customer.

Document and data Control.

- Linak A/S has a system for document and data control, which secure that all relevant IECEx / ATEX documents are securely stored and filed for at least 10 years after last product has been shipped. All scheduled drawings are clearly marked as such.

KH01: Minor non-conformity. There are no procedures in place securing that label drawings is no to be changed without involving Authorized person and certification body as relevant.

Production (including Monitoring and Measurements of IECEx / ATEX products).

- Relevant production personnel have a basic knowledge of IECEx / ATEX requirements and the critical aspects of the Ex products manufactured. The labelling of IECEx / ATEX products is done before the final check, but after final test verified for conformity. The requirements in ISO/IEC 80079-34:2018, Annex A.2 and A.11 are considered continuously during the production.

Calibration.

- Calibration of equipment (mainly torques) is done frequently for selected equipment and carried out by an external (DANAK accredited) company, or by Linak itself against externally calibrated reference equipment.

Purchasing (including Incoming goods inspection).

- Purchasing are done by the purchasing department and controlled very well through purchase orders including and in conformity with all relevant purchasing requirements from ISO/IEC 80079-34:2018.
- All suppliers who can affect the product compliance with IECEx / ATEX requirements are evaluated on an ongoing basis.

Customer Related Processes (sales).

- Sales are handled very well and it is ensured that customer requirements are compatible with the IECEx ExTRs and the EC- and EU-Type Examination Certificates.

Training.

- The personnel working with Ex products are competent with a relevant level of knowledge concerning requirements according to the IECEx scheme and ATEX directive including ISO/IEC 80079-34:2018. Competence matrixes were shown in the production area.

Management review, Internal audits, Corrective / Preventive Actions

- Management review is carried out two times a year (latest August 13. 2019). The minutes from management review does contain a statement saying that the system is effective.
- Internal audits are done according to the plan. Last internal audit related to ATEX/IECEx has been conducted in September 2019.
- The internal audit in September 2019 did not raise any findings related to ATEX/IECEx, but several observations were recorded and the decided corrective actions implemented. The requirements of ISO/IEC 80079-34:2018 are included in the prepared audit plan.

Corrective actions reported by the manufacturer, related to non-conformity KH01, have been reviewed and considered sufficient, according to Appendix 2. That the corrective action has been effectively documented and implemented shall be verified at the next audit.

Appendices

1. List of product certificates 9P08677:C
2. Non-conformity report (NCR) 9P08677:B
3. ISO 9001:2015 certificate

List of product certificates

Audit date: 2019-12-03 **Company (manufacturer):** Linak A/S

Certificates: - IECEx Test Report (ExTR) and IECEx Certificate of Conformity (CoC) according to the IECEx system
- EC-Type Examination Certificate according to ATEX Directive 94/9/EC
- EU-Type Examination Certificate according to ATEX Directive 2014/34/EU

ATEX		
EU/EC-Type Examination Certificate no/issue (issue date)	**Report no/issue (issue date)**	**Comment** [1]
TÜV 15 ATEX 143740X (151013)	15 203 143740	LA14
TÜV 15 ATEX 143744X (190926)	19 203 253863	LA25
TÜV 15 ATEX 143744X (151013)	15 203 143744	LA25
TÜV 15 ATEX 143747X (151013)	15 203 143747	LA36
ITS13ATEX17783X/1 Suppl. (140805)	101661460MAN-001B	LA36
ITS13ATEX17783X (140116)	101126200MAN-001	LA36
[1] E.g. product type designation or type of explosion protection		

IECEx		
IECEx CoC no/issue	**IECEx ExTR …/issue**	**Comment** [2]
IECEx TUN 14.0019X/1 (160224)	DE/TUN/ExTR14.0042/01	LA14
IECEx TUN 14.0019X/0 (151013)	DE/TUN/ExTR14.0042/00	LA14
IECEx TUN 14.0020X/2 (191018)	DE/TUN/ExTR14.0043/02	LA25
IECEx TUN 14.0020X/1 (160224)	DE/TUN/ExTR14.0043/01	LA25
IECEx TUN 14.0020X/0 (151013)	DE/TUN/ExTR14.0043/00	LA25
IECEx TUN 14.0021X/1 (160224)	DE/TUN/ExTR14.0044/01	LA36
IECEx TUN 14.0021X/0 (151013)	DE/TUN/ExTR14.0044/00	LA36
IECEx ITS 13.0021X/1 (140805)	GB/ITS/ExTR13.0025/01	LA36
IECEx ITS 13.0021X/0 (140123)	GB/ITS/ExTR13.0025/00	LA36
[2] E.g. product type designation or type of explosion protection		

Note: New or revised EC/EU-Type Examination Certificates or IECEx ExTRs (due to e.g. new/changed certified products or new/revised schedule drawings), not covered by previous audits, are underlined and/or marked with yellow.

Non-conformity Report (NCR)

Audit date: 2019-12-03 **Company (manufacturer):** Linak A/S

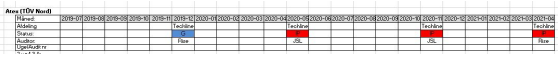
Major nonconformity (S): New follow-up audit is required, verifying that corrective actions have been effectively documented and implemented.

Minor nonconformity (M): Satisfactory documentary evidence supporting effective corrective action, to be presented within 6 weeks. That the corrective actions have been effectively documented and implemented shall be verified at the next audit.

Observations (N): No immediate action needed.

No.	Description of nonconformity/observation	Where was the noncon formity found	Assessment: - Major (S) - Minor (M) - Observation (N)	Section, standard: - ISO/IEC 80079-34:2018 and Annex ZA & ZB of EN ISO/IEC 80079-34:2011 (EN) - ISO/IEC 80079-34:2018 (ISO/IEC) - ISO 9001:2015 (ISO)	Corrective action presented by the company and root cause for the nonconformity	Lead auditor comments
KH01	There are no procedures in place securing that label drawings cannot be changed without involving Authorized person and NB.		Minor (M)	7.5.3 c), EN and ISO/IEC	Korrektion: Der er klare procedurer der skal sikre at produktansvarlig godkender og informeres. Årsag: Procedurerne er i dette tilfælde ikke blevet fulgt. Det har været en generel opdatering af vores labelslayouts, hvilket har gjort at dem der har ændret labels har tænkt at dette var godkendt et andet sted fra.	**09.01.2020** Presented corrective action is accepted. Implementation will be verified at the next audit. / KH

					Korrigerende handling: Hver gang vi ændrer noget skal den produktansvarlig godkende ændringen og vurdere om dette er ok eller ej, samt tage stilling til hvem der ellers skal informeres. Vi har interne procedurer der skal sikre at dette ikke sker, dette er bl.a. GP113 omkring produkt labels, samt GP75 omkring information to customers about changes. Disse processer er blevet informeret ud til relevante personer, som også bruger dem. I dette tilfælde, er den person som har glemt det eller ikke tænkt over det, blevet informeret omkring vigtigheden af alle ændringer, også selv om det er en generel ændring pga lovgivning. Fremover ændrer vi labelen til at være fastlåst, dvs at en generel opdatering ikke vil kunne påvirke disse labels, uden der kommer en særlig godkendelse fra Atex teamet og den produktansvarlige.	

KH02	It might be considered to conduct an internal audit only focusing on ATEX/IECEx issues		Observation (N)	9.2 b), EN and ISO/IEC	Der vil fremover blive lavet audits udelukkende på forhold specielt relateret til ATEX. Dette vil ske ud fra dokumentet "Inspiration til "ATEX" audit" nr QA-89-08-004. Se vedhæftning. QA-89-08-004.docx Audits er blevet lagt ind i planen: 	
KH03	The procedure CP 120 "Internal Audit" may be updated in order to secure that ATEX/IECEx related issues will be audited.		Observation (N)	9.2 a), EN and ISO/IEC	CP120 er blevet forbedret med indhold om ATEX. Se vedhæftning.	

BUREAU VERITAS
Certification

Linak A/S

Smedevænget 8 Guderup, 6430 Nordborg, Denmark

Bureau Veritas Certification Denmark A/S certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below.

Standard

ISO 9001:2015

Scope of certification

Development, production and sales of electromechanical actuators with control systems.

Original cycle start date:	**19 September 2012**
Expiry date of previous cycle:	**NA**
Certification/Recertification Audit date:	**NA**
Certification/Recertification cycle start date:	**16 September 2018**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **15 September 2021**

Certificate No.: DK009858 Version: 1 Revision date: **10 August 2018**

Certification Office: *Bureau Veritas Certification Denmark A/S*
Oldenborggade 25-31, 7000 Fredericia, Denmark

Further clarifications regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by consulting the organization. To check this certificate validity, please call **(+45) 77 311 000.**

DANAK
SYSTEM Reg nr. 5005