

Why do we have certificates?

Teknikum Oy and Teknikum Compounds Ltd have shared ISO 9001:2015 and ISO 14001:2015 certificates for our plants in Kerava, Vammala and Kiikka. In addition, the Vammala plant has the IATF 16949:2016 certificate (formerly ISO/TS16949).

ISO 9001:2015, a quality management system

Key aspects of quality management are customers, leadership, engagement, processes, continuous improvement and evidence-based decision-making.

We have prepared process flow charts in our integrated management system in accordance with ISO 9001. We have drawn up control plans and also failure mode and effects analyses (FMEA) for key processes. In addition, we have considered the types of method (MO) and work (TY) instructions needed for our operations.

All descriptions, documents and instructions have been saved in the information management system (IMS). All employees have access to IMS, which increases transparency in the quality management system. Through IMS, we have also ensured that only the most recent and valid document and instructions are available.

By means of instructions, we ensure that our different production units and departments follow standard operating methods. We also require that our subcontractors observe a specific way of working in order to secure the level of the supply chain. Using instructions, we can take different customer requirements into account and, in this way, deliver products that meet the demands of our customers and are approved by our customers.

We have also evaluated various risks and possible scenarios that may take place in our operations, and we consider how they can be prevented and what actions they require.

ISO 14001:2015, an environmental management system

The environmental management system has three main objectives: improving the level of environmental protection, fulfilling binding obligations and reaching environmental goals. With the aid of the system we have identified the instructions required for the raw materials we use in different departments, such as recycling instructions. We are aware of the impact of the environmental legislation on our activities, and we monitor environmental costs arising from our operations, such as power, water, steam and waste costs. In addition, we have prepared and maintain our own environmental programme.

IATF 16949:2016 (formerly ISO/TS16949)

IATF 16949, an automotive quality management system standard

(IATF = International Automotive Task Force)

The IATF standard has been developed for the automotive industry. If we supply products to automotive customers, we need to have a valid IATF certificate. The IATF standard sets even stricter requirements than ISO standards for the supervision, monitoring, development and management of the supply chain. In our instructions, additional IATF requirements are highlighted separately.

In practice, additional IATF requirements are visible by systematically preparing a project quality plan (PQP) when presenting an offer and when breaking in new products, where the approval procedure follows the steps of a precise production part approval process (PPAP). In different parts of the supply chain, we carry out detailed product evaluations, measurement system analyses (MSA) and other measurements (not forgetting statistical methods).

In the future, IATF 16949 requirements will cover many customers, also outside the automotive industry, even though they may not require us to have the IATF certificate.

Monitoring and auditing the functionality of quality management systems

We monitor the functionality of quality management systems by various means. For example, the management review, internal audits, supplier audits, acceptance inspections for incoming goods, product audits and spot checks are ways to identify defects and improvement areas in the supply chain.

Certified quality management systems also require an external audit by a third party. Currently, our quality management systems are audited by Det Norske Veritas (DNV).