



Consultancy services – tec.nicum consulting

Analysis and documentation

RSK Risk assessment to ISO 12100:2010

Based on ISO 12100:2010, the tec.nicum specialists carry out risk assessment and a comprehensive assessment of all hazards relating to the machines and systems. They also analyse machines for conformity with the applicable standards and norms.

Based on the results of these investigations, we develop recommendations and corrective action, in order to ensure that the machines comply with the various applicable guidelines.

All the results of the investigations are compiled into a comprehensive final report. Priority is given to an optimum balance between appropriate safety and maintaining maximum productivity.

- Risk assessment in accordance with ISO 12100:2010, which serves as the basis for the relevant national standards
- Identification and assessment of risks and hazards
- Reference to functional safety
- Reference to applicable legal regulations, e. g. by means of (standardised) norms
- Working out a plan of action to minimise risk

Optional additional TDC module: production of conformity recommendation, e. g. CE based on the European Machinery Directive.

TDC Technical documentation (modular design up to conformity recommendation)

The production and maintenance of technical documents is a major principle of machine and industrial safety. Modern quality processes are based on a seamless chain of documentation, which represents a key element of product and process safety, accident prevention and for clarifying liability issues in the event of an accident.

In order to make this process as efficient as possible, tec.nicum develops the necessary technical documentation based on the information provided by the customer. This can contain the following:

- Checklists based on product standards
- Risk assessments
- Evaluation of proposed solutions
- Electrical wiring diagrams including pneumatic and hydraulic processes where applicable
- Electrical measurements
- Certificates
- Design and validation of safety functions and systems
- Technical data, tables, manuals and maintenance schedules
- Drafting of a conformity recommendation. e. g. CE in accordance with the European Machinery Directive

For more information on the tec.nicum risk assessment please see our website www.schmersal.co.uk. Alternatively, you can email our TUV Approved Functional Safety Engineer Mark Langfield at mlangfield@schmersal.com who will be happy to answer any questions you may have.

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