

Steps to CE

TeLo[®]

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Steps to CE

We inform you about the approach and the single steps, **YOU** decide, which services you would like to take up of **TeLo**:

- a) **Product-classification:** The manufacturer and the operator respectively is obligated to check, if his product/his plant underlies an European directive. In case of a machine or a machine part/component the **Machinery Directive 98/37/EC** is definitely applicable, further the machine can fall in the **Low-Voltage-Equipment-Directive 2006/95/EC**, in the **Directive on Electromagnetical Compatibility (EMC) 89/336/EEC**, etc.

Some more CE-Directives:

- **Directive 2006/95/EC** relating to electrical equipment designed for use within certain voltage limits
 - **Directive 87/404/EEC** relating to simple pressure vessels
 - **Directive 88/378/EEC** concerning the safety of toys
 - **Directive 89/106/EEC** relating to construction products
 - **Directive 89/686/EEC** relating to personal protective equipment
 - **Directive 90/384/EEC** relating to non-automatic weighing instruments
 - **Directive 90/385/EEC** relating to active implantable medical devices
 - **Directive 90/396/EEC** relating to appliances burning gaseous fuels
 - **Directive 92/42/EEC** on efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels
 - **Directive 93/15/EEC** relating to the placing on the market and supervision of explosives for civil uses
 - **Directive 93/42/EEC** concerning medical devices
 - **Directive 94/9/EC** concerning equipment and protective systems intended for use in potentially explosive atmospheres
 - **Directive 94/25/EC** relating to recreational craft
 - **Directive 95/16/EC** relating to lifts
 - **Directive 96/57/EC** on energy efficiency requirements for household electric refrigerators, freezers and combinations thereof
 - **Directive 97/23/EC** concerning pressure equipment
 - **Directive 98/13/EC** relating to telecommunications terminal equipment and satellite earth station equipment, including the mutual recognition of their conformity
 - **Directive 98/79/EC** on in vitro diagnostic medical devices
 - **Directive 99/5/EC** on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity
- b) **Standard research:** To accord the (safety) requirements of the directives, a standard research should be accomplished (e.g. EN 1034-1 paper making and finishing machines, EN 60204-1 electrical equipment of machines, EN ISO 14122 permanent means of access to machinery, EN 953 Guards - General requirements for the design and construction of fixed and movable guards, EN 418 emergency stop equipment, ...)

c) **Preparation of a risk analysis/assessment according to EN 1050 / EN 954-1 and the resulting activities**

Every manufacturer is obligated to take countermeasures for all risks, which result from his product (consideration of economic defensibility to risk potential!!!). The countermeasures have to be realised by **design features**.

Residual risks, which are left during particular methods have to be eliminated or minimised by

- Ø Safety instructions in the operating manual,
- Ø danger signs on the machine/entrance area and
- Ø training of the personnel.

d) **Preparation of an operating manual, technical documentation or check-up of your existing documents on directive-conformity as well as suggestions for amendments by TeLo.**

e) **Demanding of declarations of manufacturers and declarations of conformity of sub-suppliers and customers(at customer-supplies e.g. electronics, motors, ...the customer becomes the supplier) for components as well as machines for an entire plant.**

⇒ Preparation of a control / document-demand list as well as demanding from your suppliers and check-up of this documents.

f) **Support in machine marking**

Type plates according to machinery directive,
pressure equipment directive
ATEX-marking

Danger signs according to safety and/or
health protection marking directive 92/58/EWG respectively ISO, OENORM,
DIN, ANSI, ...



g) **Check-up of the end-product**

- Ø Before inspection of authorities
 - Ø Before certification of a declaration of conformity / CE-marking-attachment
- for preparation of an activity list / open-issues-list