Promoting and Improving Safety of Machines – A Comprehensive Approach
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Studies from different European countries and branches have shown that defeating protective devices of machines is rather “popular”: at least 30% of machines in use are concerned.

That is the reason that the ISSA-Section Machine and System Safety has decided to start its “comprehensive approach”. We want to show that risk assessment for manufacturers and users is not only a legal obligation in the EU but also “a tool” to make machines safer and in consequence more reliable and productive.

The first contact with risk assessment for the “life circle” of a machine must come before the design phase. Therefore we tackle the challenge in the following four connected modules.
Universities
Teach and Learn Safety

Our goal: include information on risks assessment in curricula for future engineers

First steps:  
- Concept (developed)  
- Discussion with professors: workshop planned in 2015, using experience and expectations from industry

Concept

- Efficient and safe use of machines/systems over their life circle
- Risk assessment
  - A legal obligation  
  - What has to be considered?
- How to design safe machines
  - European standards
  - Other possibilities to construct
Include Safety

Our goal: show that risk assessment improves competitiveness of manufacturers by presenting good practice examples

First step: use contacts to manufacturers + prevention services to collect examples and present, discuss in event 2016

Examples

- “We certify your products”: Are your products safe? Suva supports the manufacturers of machinery and other products in issues relating to CE conformity: http://bit.ly/certifyproducts


- Guidelines for the safety of machines and systems (comments and information for occupational practice) according to European Directives with special focus on persons working on machines – published by BGN (http://bit.ly/machineguidelines).

- Defeating protective equipment is not limited to individual countries: we offer an international exchange of information under www.stop-defeating.org: five steps for manufacturers against defeating: http://bit.ly/stopdefeating1.
Manufacturers of Machines
Suppliers & Purchasers
Consider Safety

Our goal: make clear importance of risk assessment for machines to suppliers and purchasers

First step: collect existing tools/checklists to buy adequate machinery and discuss ways to reach target group in event 2016

Examples

➤ Guidelines for the safety of machines and systems (comments and information for occupational practice) according to European Directives with special focus on persons working on machines – published by BGN (http://bit.ly/machineguidelines).


Apply Safety

Our goal: show that safe machines are important for operator’s health but also contribute to better results concerning productivity and quality

First step: collect examples from users and discuss approaches in event 2016

Examples

➢ “Asbestos in inner rooms” – persons in these rooms may not be exposed to asbestos, measures to be taken: Suva in cooperation with “Forum Asbest Schweiz” (www.forum-asbest.ch) published a brochure (www.suva.ch/waswo/2891).

➢ “Vision 250 Lives” – Suva will save lives! This can be achieved if essential rules are being followed (http://bit.ly/vision250lives), for example: building construction and civil engineering, maintenance, wood processing, working on roofs.


➢ Correct assessment of the safety distances from dangerous parts and the correct installation of safety devices: Software developed by INAIL, Rome. (Website under construction.)
Users of Machines