



# Working together for risk prevention: the role of ergonomics

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# What is ergonomics?

- **Ergonomics provides the knowledge and skills for fitting the environment, equipment and activities to people**
- The dual aims are both to improve **well-being of people** and to enhance **productivity of systems**
- **Ergonomics is a central discipline and development tool to create good work environments - and also to prevent risks in the work situation!**

Ergonomics focuses on **human work activity** and the **capabilities of humans**

Ergonomics is ideally applied **in all stages of design and realization**



Application of ergonomics means profound **collaboration of all stakeholders**



# "Occupational risks" need also to be continuously monitored

- **The ergonomics evaluation**
- **Ergonomics checklists**
- **Contribution of the OHS experts**
- **Representatives of management and design**

# Occupational risk assessment is the responsibility of many

- **Designers of the machinery and production systems**
- **Decision makers**
- **Buyers**
- **Management**
- **Maintenance experts**
- **OHS experts**
- **Supervisors**
- **Workers**



## Workers participation in design has many direct and indirect benefits:

- **user's experience** and **designers' views** are **combined**
- the design process is a **learning process for both designers and users**
- the **workers** are more motivated
- the **designers** and **managers** are alerted to the **problems of the use**
- the **implementation** and start-up of the system is **less problematic**
- the process **flows smoothly**
- the **potential hazards and risks are identified**
- the **identification and managing of the risks**

- **Design goals**
- **Collaboration**
- **Information concerning the design of the production system**
- **Relevant ergonomics knowledge and guidelines**
- **Design methods**
- **Feedback from the functioning of the workplace**



By the **application of ergonomics in design**, the production systems and workplaces can be **improved for both the operator and the organization...**

**By recognition of both the health and business benefits of ergonomics the management can be justifiably engaged in the comprehensive development of workplaces**



# Thank you for your attention

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