Title: Interactions and Applications for See-Through interfaces: Industrial application examples
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Markus Wallmyr

markus.wallmyr@maximatecc.com
www.maximatecc.com / www.mdh.com
Interactions and Applications for See-Through interfaces: Industrial application scenario examples
Content & Introduction

Heavy industrial machinery
Manufacturing - Operation - Service & repair
Summary - potentials and problems
Manufacturing

- Parts to assemble
- Assembly instructions
- Quality assurance

- Right information at right time
- Reduce side information

- Head mounted displays
- Eye gaze, gestures, physical touch
Real-time production data
Correct place, depth level
Surrounding objects

Information in-line of sight
Attention & reaction

HUD & HWD.
Interaction (input) already established
Service and repair

Virtualize manuals and guidelines
Information while working
Remote guiding

Adapt information to situation
Improve collaboration

Portable and movable technology
Hands free
Potentials and problems

- **Presentation** - Modern machines need new means of information presentation
- **Higher efficiency** - Hands on and focus on work
- **Accuracy** - Higher quality of preciseness
- **Security** - Information in line of sight, warnings e.t.c
- **Content** - Sensors and system availability
- **Interaction** - Noise, shake, responsively
- **Visualization** - Information overload & safety
- **Usability** - The right device at the right place and right time. Cost.
- **Availability** - Durability, cost.
Kiitos!  Thank you!  Tack!