



# Project „Flexible Assembly Processes for the Car of the Third Millennium (MyCar)“

## **Methodology Description (High Level)**

Information System for Human-Centred Assembly

## What are we to do?

How do we present information in manual assembly when and where it is needed?

# Current practise

- Paper based instructions
  - Stationary (heavy binder)
  - Poor usability of information design
  - Analog

# Objectives

- Increase the spatial range of information
  - Make sure the information is easily accessible **from the whole work station**
- Increase the temporal range of information
  - Make sure the information is easily accessible **at all times**

# How to do this?

- Increase spatial range
  - Larger screens
  - Audio systems
  - Mobile devices
- Increase temporal range
  - Continuous presentation
  - Mobile devices

# Mobile information unit

- Benefits with using a digital, mobile unit
  - Always at arm's length
  - Always updated
  - Option to present more information
    - Pictures, CAD-files, video, messaging
  - Action based information presentation
    - Information is presented based on who and where you are

# Mobile information unit

- Initial testing has shown large quality gains when using a mobile device as opposed to a stationary computer terminal
  - Around 50% improvement in small scale lab experiment
- User acceptance is very high according to pilot tests at Tuve plant
- Handling of the device seems acceptable though not perfect