DIPARTIMENTO DI INGEGNERIA DELL'INFORMAZIONE
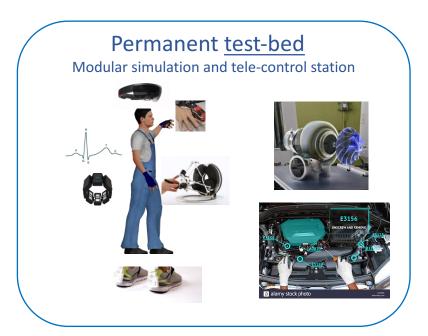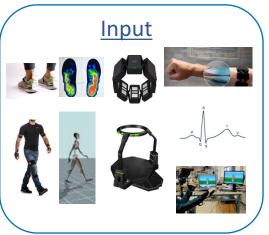
Development and assessment of AR solutions
- Visual and haptic displays
- Wearable and/or fixed Input interfaces
  - gesture, motion, physio
  - context extraction
- Ground-truths for the assessment of the solutions
- Test-bed
  - Cutting edge AR technologies

Permanent test-bed
Modular simulation and tele-control station

Display

Ground-truth

Input

- **Services**
  - **technology scouting, fast prototyping and evaluation of AR application**
    - **HW/SW implementation of AR solutions**
    - **Test and assessment of existing solutions**
  - **wearable AR display and visualization modalities**
    - **Selection/adaptation of existing technologies or design from scratch**
  - **Haptic interfaces and tactile feedback modalities**
    - **Selection/adaptation of existing technologies or design from scratch**
  - **Personalized wearable systems**
    - **Gestural input, safety, ergonomics, training, worker physical and psychological health, indoor navigation/localization**
  - **Environmental sensor infrastructures**
  - **Permanent Test-bed**
    - **Test / evaluate existing or new solutions**