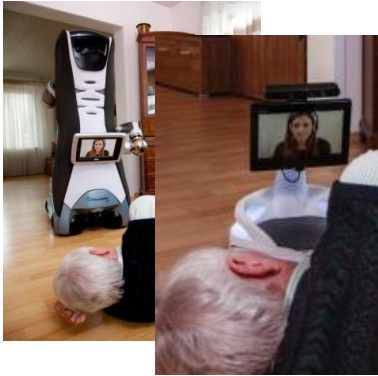


# Health Care Robotics at Fraunhofer IPA, Stuttgart

Robots supporting elderly people and people in need of care

Robots supporting health care staff



Communication



Manipulation



Logistics



Mobility



Service



# Challenges for transferring new solutions into practise

- Complex robots in research institutions / projects -> High costs, high risk of failure, safety issues specifically of mobile manipulators
- Possible strategy to get robots into practise as soon as possible: Specialized, simplified platforms (minimum viable product)
- End user involvement and user acceptance
  - Fear of losing control, robots replacing humans?
  - Fear of not being able to control complex technical devices
- Possible solutions / involvement of care facilities and hospitals
  - Clearly define and explain (limited) functionality of the robot
  - Explain difference compared to TV robots
  - Simple and intuitive operation as well as reliability is a must
- Technical feasibility tests vs. validating added value given by robots (for the latter adaption of care processes might be required)
- Cost models and markets: Who's paying for it? What is the product? Involvement of communities and insurances