RESCUE ROBOTS



RESCUE ROBOTS

- Idea of Rescue Robots
 - types of robots
 - advantages of robots
- Examples of some robots
 - Snakebot
 - Quince
- Humanoid robots
- Conclusion
 - past missions
 - limitations of robots

IDEA OF RESCUE ROBOTS

- tool for human rescuers
- semi-autonomous

TYPES OF ROBOTS

- unmanned air vehicels (UAV)
- unmanned underwater vehicles (UUV)
- unmanned ground vehicles (UGV)

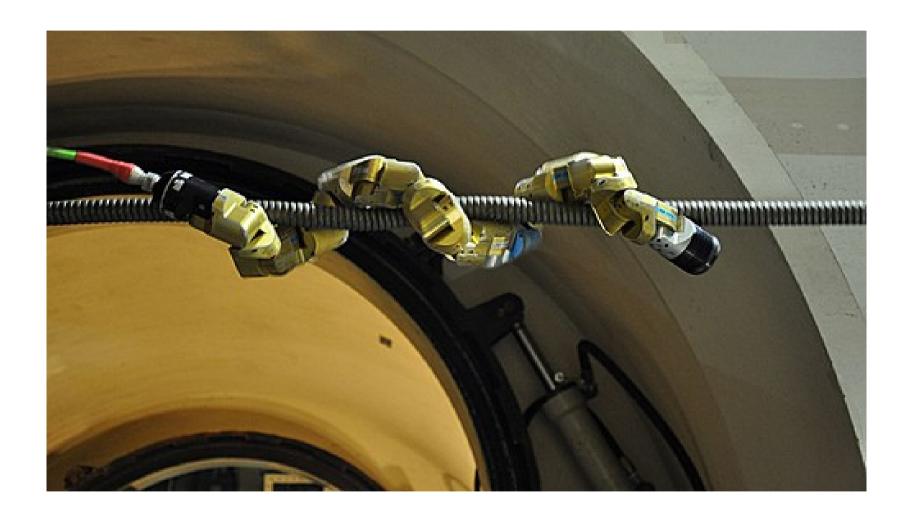
ADVANTAGES OF ROBOTS

- robust
- reliable
- no fatigue
- access to unreachable/hazardous areas

DEPLOYMENT



SNAKEBOT

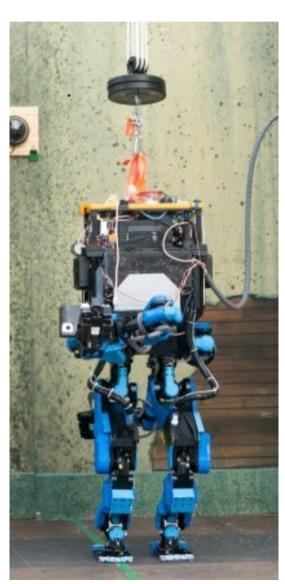


DINCE



WHY HUMANOID ROBOT ?

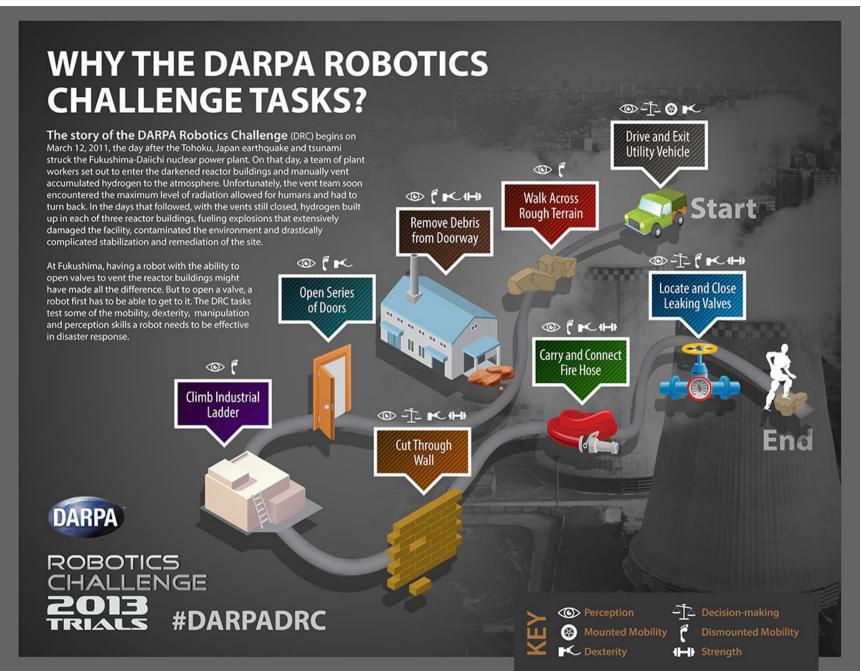






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PAST MISSIONS

- never found any survivors
- sensing has been the major barrier
- usually tethered

LIMITATIONS OF ROBOTS

- limited by their own skills
- small operation range
- operated by humans