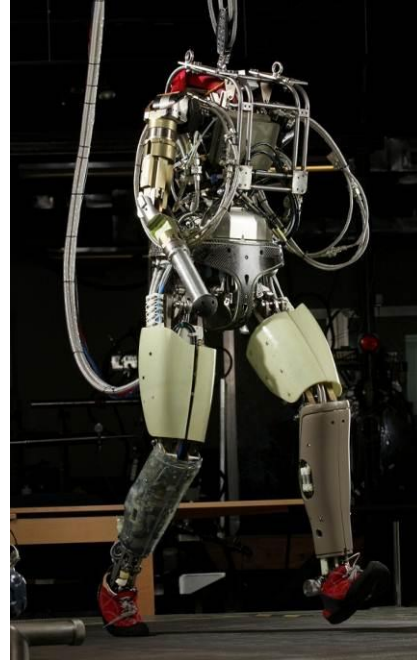




ATLAS is a hydraulically powered robot in the form of a human being. It is capable of a variety of life-like behavior, including dynamic walking, calisthenics and user-programmed behavior. See video of PETMAN, the predecessor to ATLAS in action at:

<http://www.youtube.com/watch?v=mclbVTIYG8E&list=UU7vVhkEfw4nOGp8TyDk7RcQ&index=6&feature=plcp>

- Near-human anthropometry
- 2 arms, 2 legs, torso and head.
- 28 hydraulically actuated joints with closed-loop position & force control
- On-board real time control computer
- Power & network tether
- Protective shells
- Modular wrists accept COTS hands
- Head-mounted sensor package with LIDAR, stereo sensors, dedicated sensor electronics and perception algorithms.



Specifications

(subject to change)

Size:

Weight: 180 lbs (82 kg)
Height: 69" (1.75 m)
Shoulder width: 15.75" (0.40 m)
Chest Depth: 12.7" (0.32 m)

Required Power

208V 3-phase at 15 kW
2 gpm cooling water at room temperature

Interface

GByte Ethernet
ROS-compatible Robot programming API



Sensor Head



Hands

