

Guardian™ S Mobile Inspection Robot

The Guardian™ S multi-purpose, sensor-based inspection robot is designed to make first-look and confined space inspections safer and more effective than ever before. The robot delivers extended run times and long-range wireless operations.

Optimized for unstructured and unpredictable environments, the Guardian S is capable of accessing and maneuvering in tight spaces, and navigating uneven, challenging terrain including vertical ferrous surfaces.

The robot sends video and visual data from its six high-resolution cameras directly to the operator's control unit screen in real-time. The data can be archived for future comparative or preventative maintenance practices.

Headquarters

360 Wakara Way, Salt Lake City, UT 84108

Know more



<http://www.sarcos.com/guardians>

www.linkedin.com/company/sarcos/

DSS Partner

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Product Mobile, multipurpose remote inspection robot

Funding Received : "?"

Technology

Integrated variable LED illumination, GPS, Inertial Unit (IMU), and optional Infrared sensors.

Six (6) 4k color cameras with digital zoom (front view, 2 side views, rear view, upward view, and forward-facing rear navigation) for normal visual range 360 degree coverage

Built-in microphone and speaker to enable two-way audio between the OCU and the robot

Wireless: Wi-Fi IEEE 802.11ac, RF Module (multiple ISM bands: 915 MHz, 2.4 GHz, 4.9 GHz & 5.75 GHz LTE)

Can carry a 10-lb sensor payload (5 lbs when traveling vertically)

Measurement 52 in. L x 4.7 in. W x 5.2 in. H; man-portable at ~17 lbs.



Key Benefits

- Improve Safety and Reduce Injury
- Increase inspection and maintenance efficiency
- Gather necessary data for asset management

Cost savings:

- Reduced manpower
- Reduced inspection time
- Reduced downtime
- Increased safety



Relevant Industries

- Manufacturing
- Oil & Gas
- Power Generation
- Petrochemical
- Construction

- Mining & Metals
- Aerospace
- Automotive
- Public Safety



Use Case

- Hazardous areas
- Confined spaces
- Infrastructure Inspection
- Preventative Maintenance
- Sensor-based data collection
- Disaster recovery and search and rescue

- First-look visual inspection
- Disaster Recovery
- Surveillance



■ Funding Amount : \$ 30 M

■ Seed Funding :

Series Funding : Series B

Recent Investors: Series B funding from a consortium of investors co-led by DIG Investment and Alex. Brown including Series A investors: Caterpillar Ventures, Cottonwood Technology Fund, GE Ventures, Microsoft, Schlumberger and Sarcos' chairman and CEO, Ben Wolff.