Digitize your inspection processes with cost and service downtime savings

**Rise-Rover**

World class engineering and design for heavy duty industrial applications of infrastructure inspections on large commercial office buildings, bridges, dams, foundations and any other similar type use. This rugged, yet compact robot, with its duo tracks and double vacuum chambers, allow it to traverse all kinds of surfaces and detect sub-surface structural deterioration and failures. When your job requires attachment to rough surfaces, examination and measurements of vertical and upside-down surfaces in all kinds of exterior conditions and weather elements, this is the complete robotics solution for your application. Ideal for scanning and assessment of concrete foundations and footings, of metallic and non-metallic sub-surface structures, oil and gas lines and PVC pipes and oil tanks.

**RISE-ROVER ADVANTAGES**

- 3D Localization and Mapping
- Predictive maintenance using state of art analytics
- Machine Learning inspired fault detection
- Subsurface inspection

**RISE ROVER FEATURES**

- Whole unit self-weight (two drivetrain modules plus payload chamber): 24 lbs.
- Dimension of each drivetrain module: W-8; L-21; H-5.5 (in)
- Locomotion speed: 30 m/min.
- Pull-up force (i.e., payload carrying on vertical wall): 16 lbs.
- The maximum normal suction force generated by each module: 30 lbs.
- Power Consumption: Peak 4 KWh

**TYPICAL USES**

- Large Commercial Office Buildings
- Water Dams
- Bridge Inspection
- Construction Foundations
- Generating 3D Advanced Feature

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**OUR PARTNERS**

- National Renewable Energy Laboratory (NREL)
- Massachusetts Clean Energy Center
- Geophysical Survey Systems, Inc. (GSSI)
- Inspecting and Preserving Infrastructure Through Robotic Exploration (INSPIRE)
- National Science Foundation (NSF)
- Power Bridge New York

**InnovBot LLC**

A Worldwide Robotic Solutions Company

Inspecting and Preserving Infrastructure Through Robotic Exploration (INSPIRE)

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