



## Solo

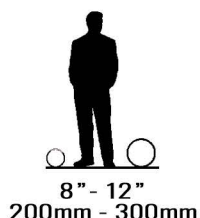
## THE WORLD'S ONLY SELF OPERATING CRAWLER

This small robot has a huge impact.

Solo is the world's first truly unmanned sewer inspection robot that is radically changing the way collection system managers approach operations and management. Typical daily production rates far outpace conventional methods. With Solo you never miss a defect. Field operator variability is eliminated as a factor influencing data quality. Video captured by Solo allows the viewer to Pan-Tilt-Zoom an entire pipe segment in 360 degrees from a PC in a controlled environment. Reports can be generated offline without requiring a certified operator to deploy the equipment



03000ft  
01000m



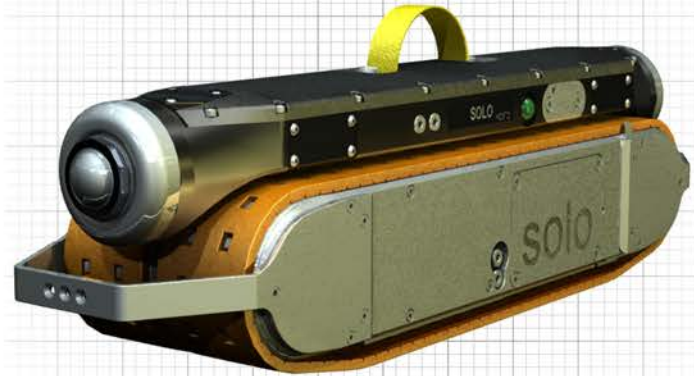
# Solo

RedZone's Solo platform provides a highly efficient, cost effective & versatile way to inspect 200 - 300mm / 8" - 12" pipelines. Compact, easy to deploy in any location accessible by an operator on foot, allows access to manholes traditional vehicle based CCTV could not.

A single crew constantly deploys and retrieves Solos while up to four inspections are conducted simultaneously. Significantly higher and more predictable throughput is the result.

With deployments taking 10-15 minutes from arrival on site to closing the manhole once the unit has been launched, the Solo decreases the requirement for traffic management and disruption

Once launched the Solo will autonomously traverse the pipeline, onboard sensors will ensure that the unit can safely progress. If a blockage or obstruction is found the unit will attempt three times to get past prior to returning to the launch site. After reaching the end manhole the Solo will automatically return to the original site for collection and redeployment.



## ADVANCED PIPELINE ASSESSMENT

3,000ft per day per deployment crew, utilizing multiple robots • 5x inspection throughput versus conventional CCTV  
Full 360° Virtual Pan/Tilt/Zoom • Manhole inspection configuration available • Minimal Traffic Disruption

### SENSORS

CCTV - Virtual Pan/Tilt/Zoom

### INSPECTION PARAMETERS

Transportation: Tracked Platform

Pipe Size: 8" - 12" / 200mm - 300mm

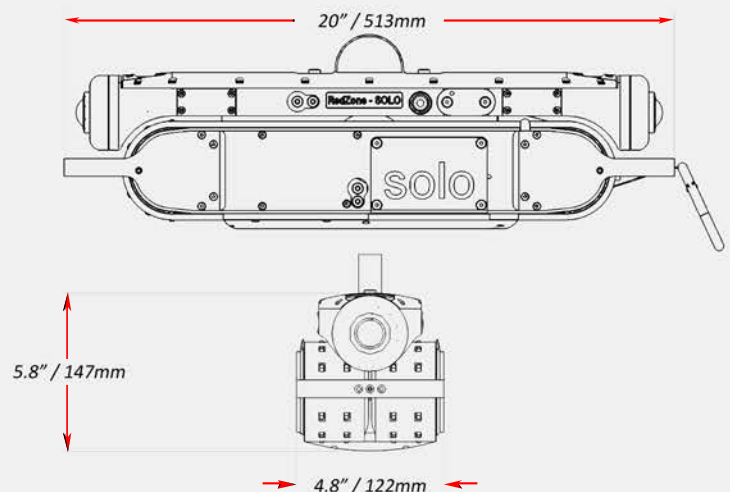
Min Flow: No Flow ( Tracked Platform)

Battery Life: 3hrs

WiFi Connectivity: At Manhole

### REPORTS

NASSCO PACP/MACP, WRc, WSSA



The information in this publication, including but not limited to textual content and pictures, is provisional, provided for reference purposes only and may be subject to change without prior notice.  
Solo V3.3 October 2019