

CANSENSE[©]

Made in CANADA

CANSENSE Crawl-X

Robotic Pipeline Inspection System

Safe internal inspection for water, wastewater, sewer, drainage and industrial pipelines.



Visual
Inspection



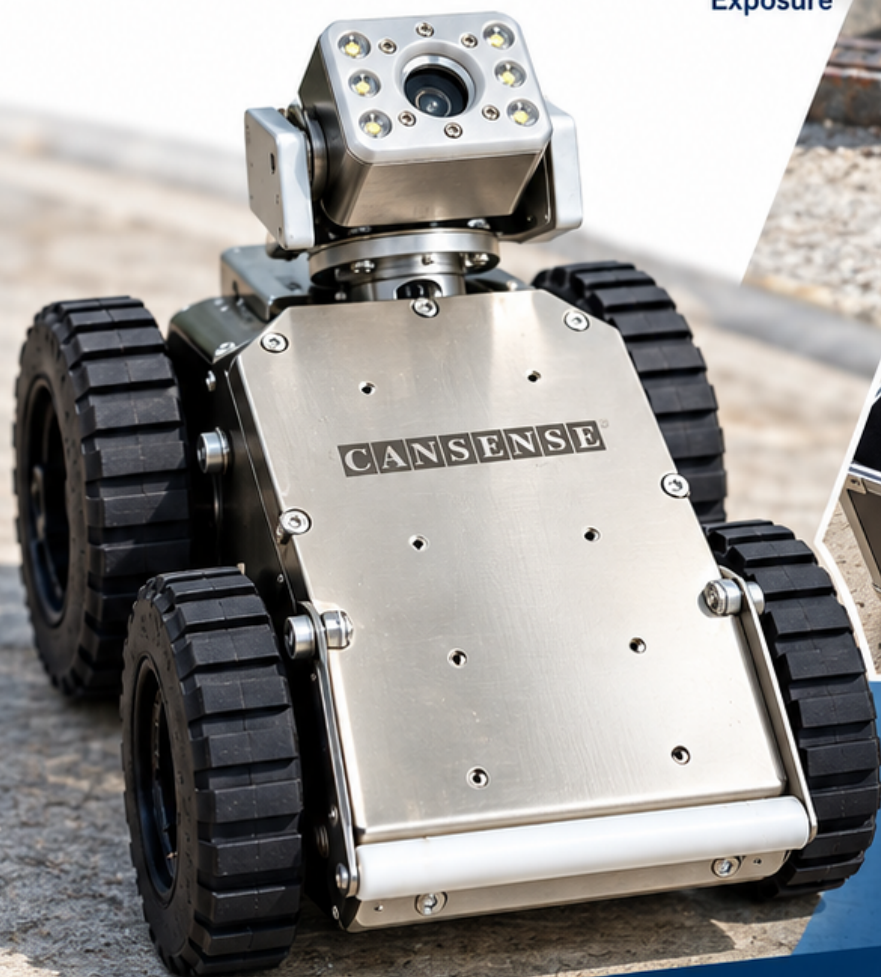
Condition
Assessment



Actionable
Data



Reduced
Confined-Space
Exposure



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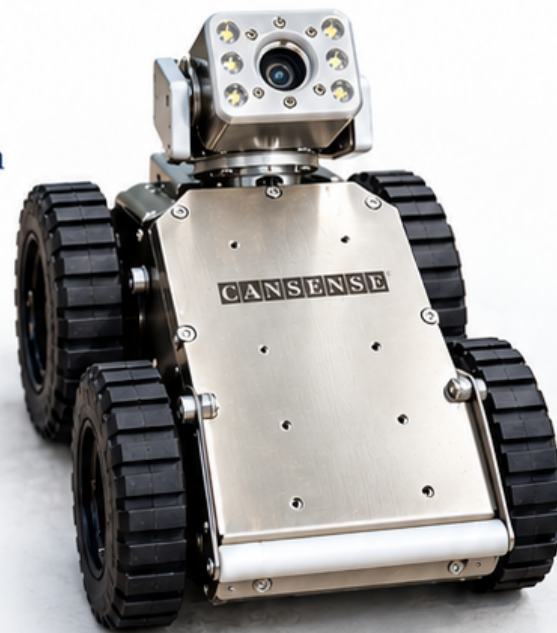
Vancouver, Canada

Technical Capability

CANSENSE Crawl-X robotic pipeline inspection platform

CANSENSE Crawl-X is a field-deployable robotic crawler for internal pipeline inspection, defect identification, and digital condition assessment for water, wastewater, sewer, drainage, utility and industrial pipelines.

Parameter	Capability
System Type	Remote-controlled robotic pipeline inspection crawler
Minimum Pipe Access	DN150+
Inspection Environment	Water, wastewater, sewer, drainage, and industrial pipelines
Camera System	HD CCTV inspection camera
Lighting	Integrated high-intensity LED lighting
Construction	Corrosion-resistant aluminum alloy and stainless-steel body
Protection	IP67 protected platform
Operation	Real-time tethered remote inspection
Data Output	Live video, still images, and digital inspection recording
Inspection Purpose	Defect detection, condition assessment, and asset planning
Safety Benefit	Reduces routine confined-space exposure
Deployment	Portable field-ready inspection system



Typical Applications



Potable water lines



Wastewater & sewer pipelines



Drainage networks



Industrial utilities



District cooling infrastructure

Configurable / Optional



Pan/tilt or rotational camera options



Distance counter / location referencing



Defect reporting workflow



GIS / asset-management integration



Configuration-dependent accessories

Inspection Workflow



1. Deploy

Set up and insert the crawler into the pipeline.



2. Inspect

Navigate and capture real-time video and images.



3. Review Data

Assess footage and identify defects.



4. Report & Plan

Generate inspection reports for maintenance and asset planning.

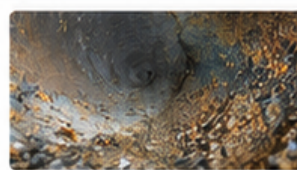
Inspection Output



Real-time Inspection



Defect Identification



Condition Assessment



Inspection Data & Reporting

