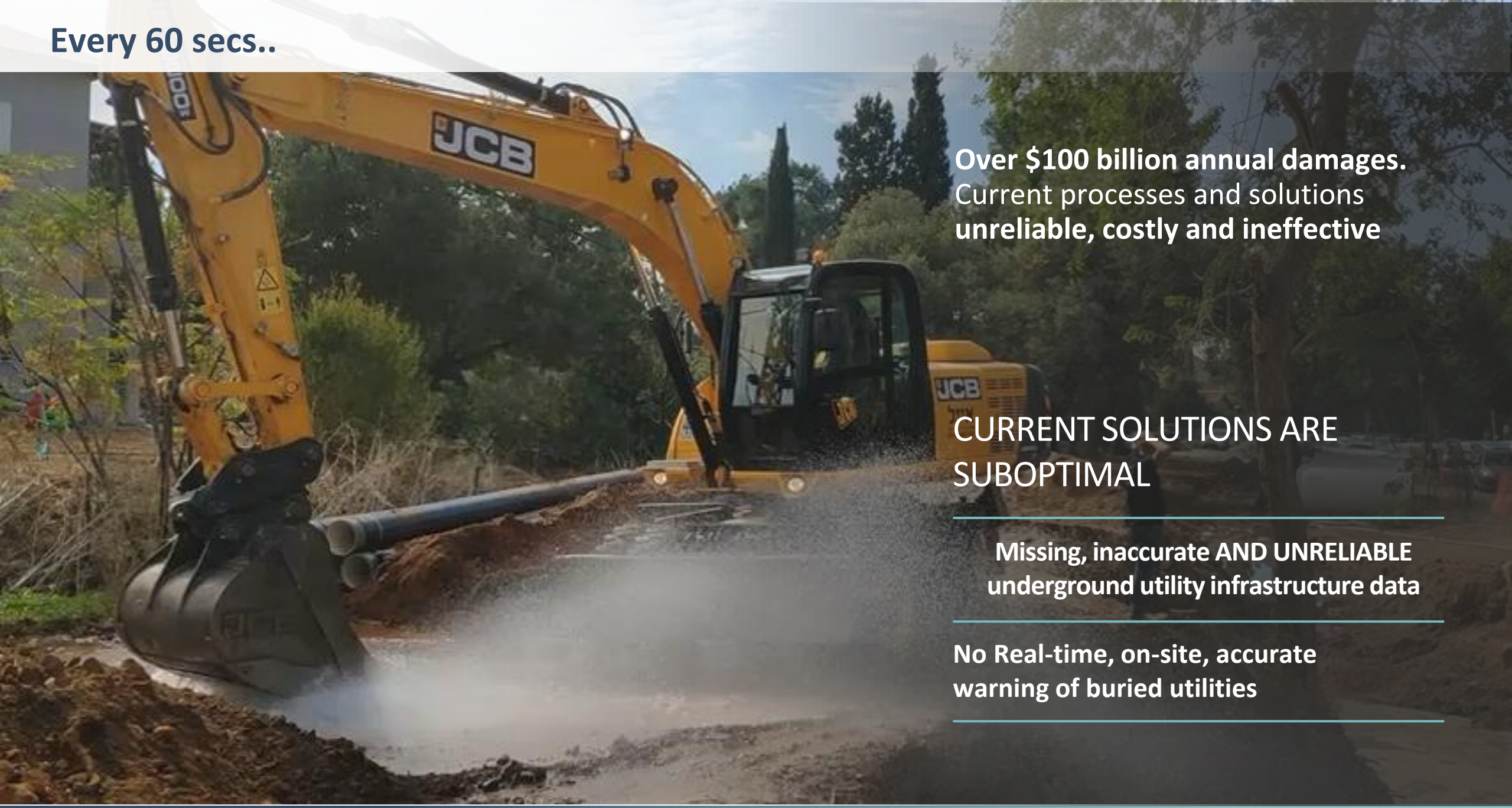
Avoid Utility Strikes

Zero Strikes is the new industry standard



RodRadar 2026

Every 60 secs..



Over $100 billion annual damages.
Current processes and solutions
unreliable, costly and ineffective

CURRENT SOLUTIONS ARE SUBOPTIMAL

Missing, inaccurate AND UNRELIABLE underground utility infrastructure data

No Real-time, on-site, accurate warning of buried utilities

VAST industry Impact

400K

Annually **REPORTED** Strikes in North America alone.
Actual # estimated to be 3x-5x.

35%

are **Gas** and **Power** lines.
50% Communications.

$10K

Average **DIRECT** strike cost

29:1

Total-to-Direct cost **ratio**
incl. **Indirect** and **Social damages**

400

Annual **deaths**
and **2,000** injuries



But the ***biggest*** impact of strikes to contractors is
DOWNTIME and **PROJECT DELAYS**

Break Ground, Not Pipes

Avoid utility strikes during excavation

LIVE DIG RADAR®

The first-ever **Ground Penetrating Radar**, integrated in a **digging bucket**

An excavation **Job-Aid** work-tool.
Alerting the operator in Real-Time
to avoid utility strikes while digging.



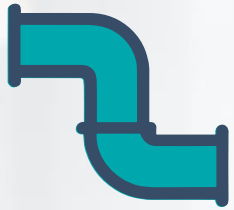
RODRADAR



Live Dig Radar ® - Real-Time On-Site



Detection of all Utility types



Plastic pipe



Electric cable
in plastic conduit



Fiber optic cable
in plastic conduit



Plastic water pipe



Metal pipe



Gas pipe in plastic
conduit

In any soil



LDR Excavate™ Digging Buckets (Gen-I)



TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5
1-3.5 mTon	3.5-8.5 mTon	8.5-16 mTon	20-30 mTon	30-40 mTon
18” or 24” 45cm or 61cm	18” or 24” 45cm or 61cm	24” or 36” 61cm or 92cm	36” | 92cm	36” | 92cm

LDR Components



Cable harness

Connecting the bucket (power and data)

Operator Tablet

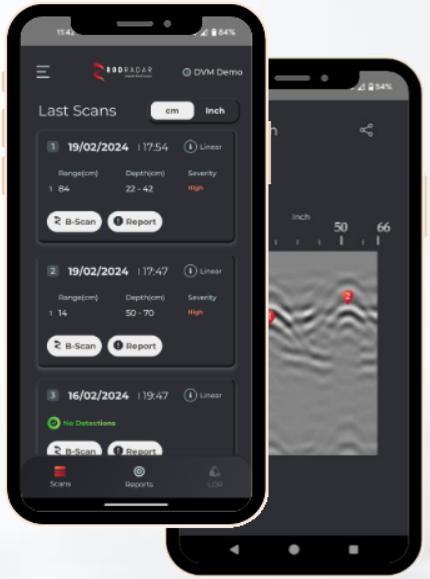
Located in the cabin

LDR Bucket

Data Management and Capture



LDR Insights™ - robust management portal, showing LDR utility detection and strike avoidance activity.



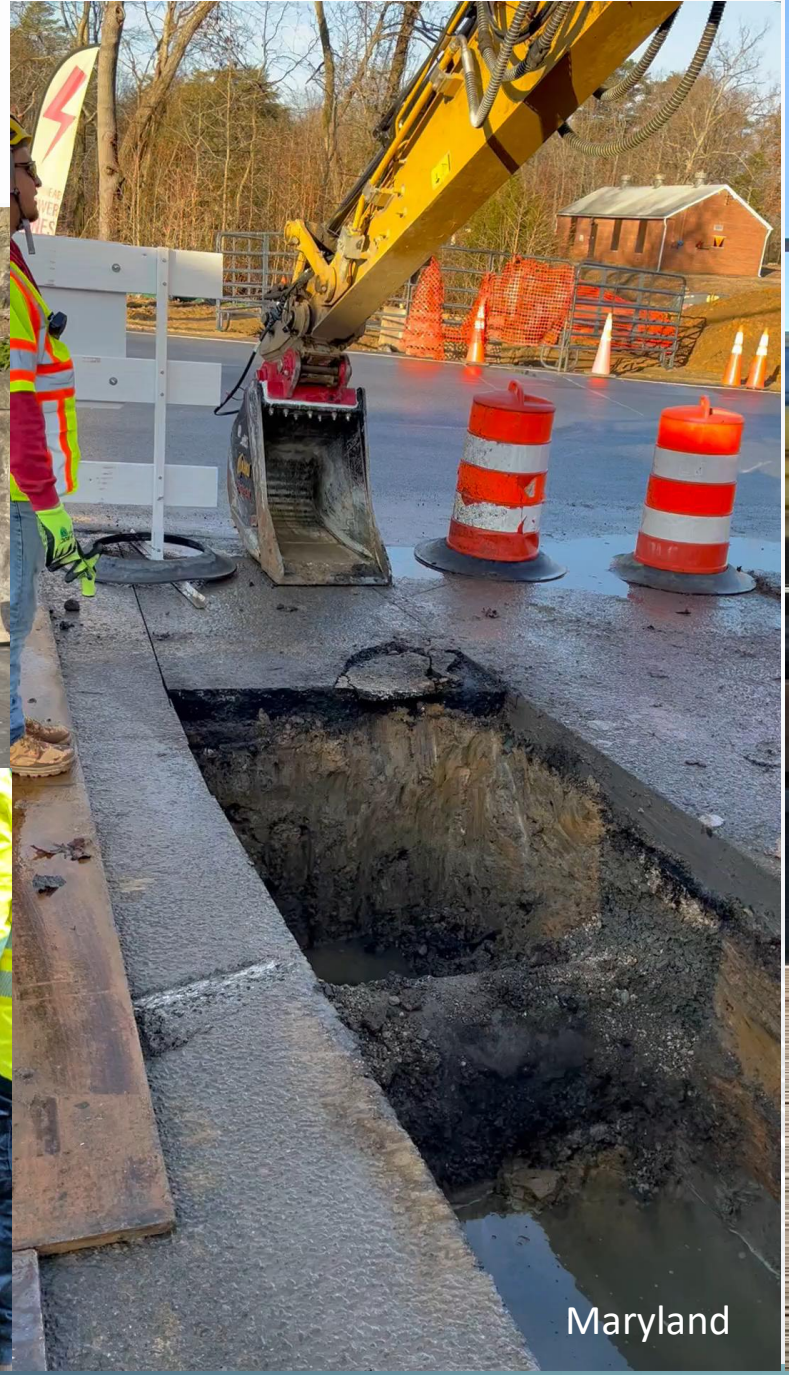
LDR Capture™ - mobile application, helps the excavation team capture detected and exposed utility information and access LDR scan data.

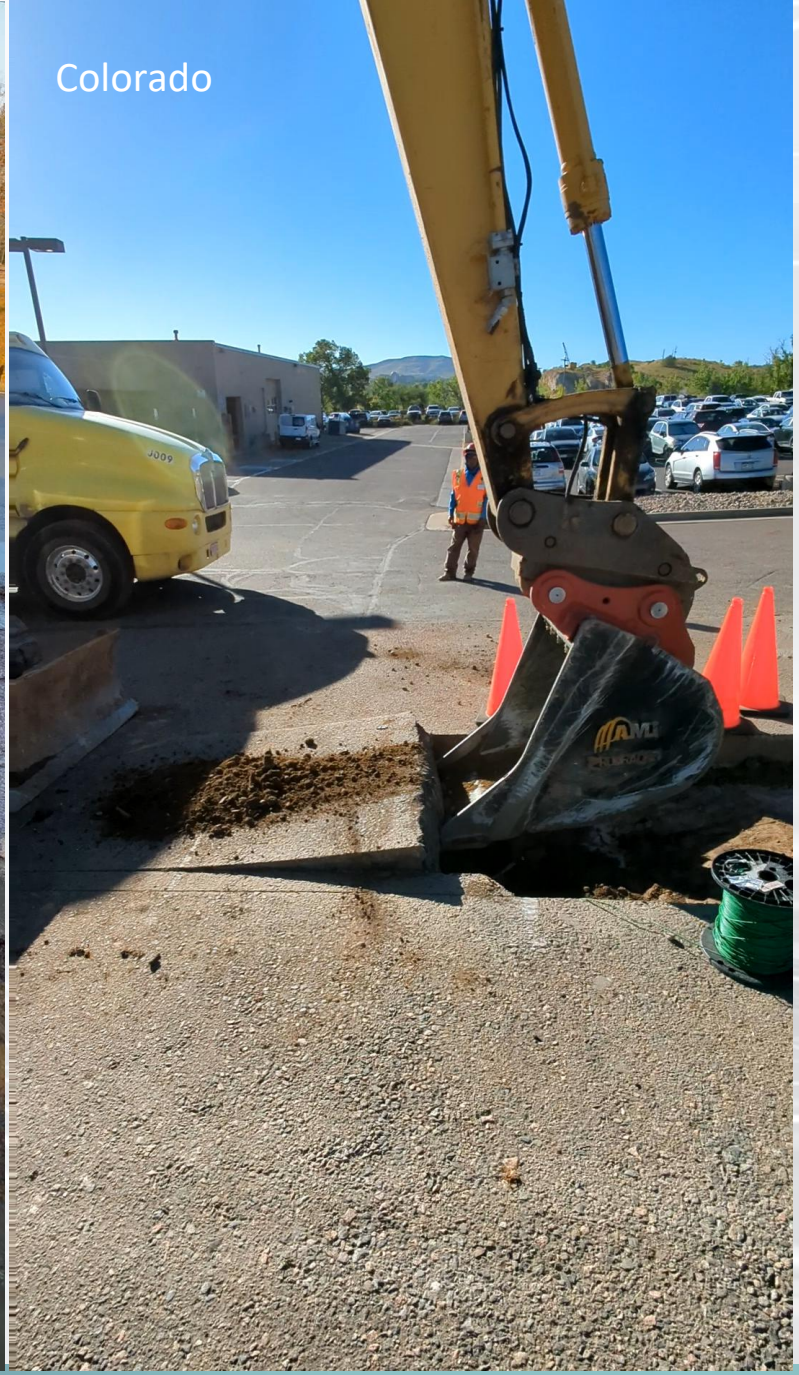
General Purpose Bucket



Sydney Australia


Manhattan


Maryland


Colorado

Indian Head Naval base (MD)* 9 months

A great success. Way beyond enhancing safety and avoiding direct costs.

Project cost savings analysis:

9 months use	3 LDR systems
400 utilities detected	200 unknown/mis-marked utilities avoided
1,550K Estimated savings	**761%** ROI

Avoiding **1,000** hours of downtime!

(*) Installation of 196,000 LF of small diameter water mains, [download use case]





RodRadar

2026