RODRADAR

Break Ground, Not Pipes!



LIVE DIG RADAR®

REAL-TIME UTILITY STRIKE AVOIDANCE

RodRadar's Live Dig Radar® (LDR), a patented radar imaging technology, enables automatic real-time, on-site alerts for the prevention of damage to underground utility infrastructure during excavation.

Automatic real-time alerts

Detects all utility types

Easy installation on any platform

Simple to use

Last line of defense

LDR EXCAVATE™

THE OPERATOR'S BUDDY

RodRadar's LDR Excavate™ integrates Live Dig Radar® directly into the excavator bucket, turning the bucket itself into an active utility detection system.

As the operator excavates, the system continuously scans the ground ahead of the bucket and automatically detects underground utilities in real time. Visual and audio alerts provide immediate warning of potential hazards, including utility location and estimated depth.

Designed to work alongside existing safety procedures and machine control systems, LDR Excavate™ helps crews excavate with greater confidence, reducing the risk of utility strikes, project delays, costly repairs, and safety incidents.

By bringing underground visibility directly to the point of excavation, LDR Excavate™ supports a safer, more efficient jobsite and helps advance the industry's goal of Zero Strikes.



TYPE 0	1-3.5 mTon	12" | 30cm
TYPE 1	1-3.5 mTon	18" or 24" 45cm or 61cm
TYPE 2	3.5-8.5 mTon	18" or 24" 45cm or 61cm
TYPE 3	8.5-16 mTon	24" or 36" 61cm or 92cm
TYPE 4	20-30 mTon	36" | 92cm
TYPE 5	30-40 mTon	36" | 92cm





REAL-TIME ALERTS AND INSIGHTS

Any Platform, Integration Ready



LDR Visualize™ An easy to use in-cab display that delivers real-time underground utility alerts powered by advanced algorithms. Operators can view utility data on dedicated tablet or any compatible mobile device via the LDR mobile App (Android and iOS)., connected through WiFi to the in-cab MiniPC. Available for Android and iOS on Google Play and the App Store.

LDR Insights™ A robust management portal, presenting rich and diverse information of the LDR utility detection and strike avoidance activity.

LDR Capture™ A mobile application enabling the excavation team access to LDR scan data and collect complementary data for immediate and future reference.

WHAT OUR CUSTOMERS SAY

STUTSMAN GERBAZ inc. EARTHMOVING ASPEN, COLORADO

LDR changes excavation. Nobody could see into the ground – until now!

WEITZ

A true game-changer on today's safety conscious jobsites at the point of work, giving us valuable insight exactly where it matters most.

SKANSKA

Since inception on JFK Airport project, we've had no utility strikes!! Using the Live Dig Radar®, we avoided costly downtime and project delays.

GARNEY

In 9 months, we prevented 200 utility strikes, detected 400 in real time, saving 1,000 hours of downtime and over $1.5M.

RodRadar is at the forefront of innovation, pioneering a groundbreaking technology platform that redefines how underground utility infrastructure is detected and avoided during excavation, increasing jobsite safety, reducing costs and improving efficiency.

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