SAFETY SHOVEL ™

info@safety-shovel.com
www.safety-shovel.com
+61 1300 540 431

Save Lives :
Save Reputation :
Prevent Asset Strikes

IP67

*Designed for

WORLD FIRST

Introducing the Safety Shovel

The Safety Shovel provides the ideal real-time detection of metal and power subsurface. It allows for the detection of metallic objects (water, gas, electric etc) and electric circuits underground.

This tool is ideal for the prevention of harmful **asset strikes.**

The industry has experienced unprecedented demand for organisations to protect their workers from known and unknown risks.

With combined legislative demands on Directors and Managers and Work Safe fines crippling those who don't take safety seriously, the Safety Shovel is your protective shield against **asset strikes**.

Although DBYD is a great start, inaccuracies increase risk to staff and assets.

The Safety Shovel is designed to be used as a supportive tool to protect workers from harmful events that cause human and infrastructure risk.

> **simultaneous detection of metallic objects electrical circuits**

⚙ **Detect Subsurface Metal, Pipes, Cables etc**

⚠ **Detect Electrical Cables Subsurface, Single & 3 Phase.**

⚙ **Real Time Visual alerts for Both Metal & Electrical Detection**

---

info@safety-shovel.com
www.safety-shovel.com
+61 1300 540 431

1. General System Features

The Safety Shovel is designed to be used as a supportive tool to protect workers from harmful events, resulting from **asset strikes**. Although best endeavours are deployed to prevent infrastructure strikes, records that are inaccurate deliver risk that cannot be minimised without advanced tooling.
The Safety Shovel provides a functional real time detection tool to protect workers by simultaneously detecting Metal objects & Electrical cables (EMF) under the ground (subsurface).

With alignment to markout excavation standards the Safety Shovel allows workers to operate within the **tolerance zone** and detect materials and cables that if damaged, would result in major OHSE event **(Asset Strike)**.

Typical assets detected include, water and gas pipes, communications cables, and LIVE power cables.
The Safety Shovel compliments the efforts of DBYD (Dial Before You Dig) and alerts excavation teams immediately.

1.1 System Characteristics

Item	Feature
Weight	7.7pound
Length	5'f 2'in
Shovel Dimensions	11x 8.26 in
Metallic LED	Green Flashing
EMF LED	Range sensitive LED Colour change Yellow to Red
Battery Life	16+ hours (See note 1)
Battery Recharge time	5 hours (Full Charge)
Sleep mode activated	10 minutes of inactivity
IP Rating	Designed for IP 67
Connectivity	Customise settings via smart device

Note 1: Battery life is dependent on the detection frequency of metallic and EMF events. Stated battery life is an estimate for normal field activities.

1.2 Metal Detection Characteristics

Metallic Type	Detection Distance (mm)
Lead	0 -11.8inch
Steel	0 -11.8inch
Aluminum	0 -11.8inch
Cast metal	0 -11.8inch
Copper	0 -9.84inch

Note 2: Metals purity and density may vary detector ability.

1.3 EMF Detection Characteristics

Voltage type	Voltage (range)	Detection Distance (mm)
AC (50Hz 60Hz)	110-66KV AC	0- 1ft 7in

Note 3: AC Current may vary the detection of EMF

NO GO ZONE

118 in for pipelines or underground cables greater than 66kva

19.6 in for machinery

11.8 in for persons