

**3M** Science.  
Applied to Life.™

3M™ Impact Detection System

# Critical information for critical infrastructure.



Device: Gateway  
Sensitivity: 1750mg  
Item: Impact attenuator  
Status: OPERATING

Powered by

**pi·lit**

3M Transportation Safety

Real-time notifications mean you can stop searching for damaged devices and start returning them to safe working order fast.

Every guardrail. Every attenuator. Every barrier.

# Cloud-connected for remote management.

Reach a new level of confidence and control over your roadway assets with the 3M™ Impact Detection System. With the combination of one or more impact detection nodes, a single cellular-linked impact detection gateway and the cloud-based dashboard, you can receive real-time notifications of impacts, so you can effectively and efficiently replace critical infrastructure as soon as possible. **The result? Safer roads for motorists and enhanced productivity and peace of mind for you and your crew.**



## How it works

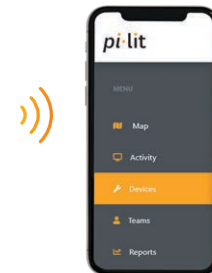
The 3M™ Impact Detection System is a mesh network of tunable, interconnected impact detection nodes, a cellular-linked gateway and a cloud-based monitoring dashboard that can be integrated into your existing traffic management system.



### Cellular Linked Gateway & Impact Detection Nodes

A single gateway detects impacts and receives notifications from up to nine remotely configurable nodes installed on your road assets.

Suggested operating temperature\* range of -20 °C to 65 °C\*\* (-4 °F to 149 °F).



### Cloud-based Dashboard

One central view of all tracked assets—including make/model, photos of the device, installation date, past events and inspection notes. Available on desktop and mobile app.

# Connectivity that's...



## Cost-effective

Mesh networking means only one cellular connection is required per gateway for up to 9 additional detection nodes, meaning potential cost savings on data-plan expenses over solutions that require a cellular connection for each asset.



## Configurable

Customize the system to work the way you work: add any number of users, keep, track and tag the device data you need and connect to your existing systems and processes via REST API.

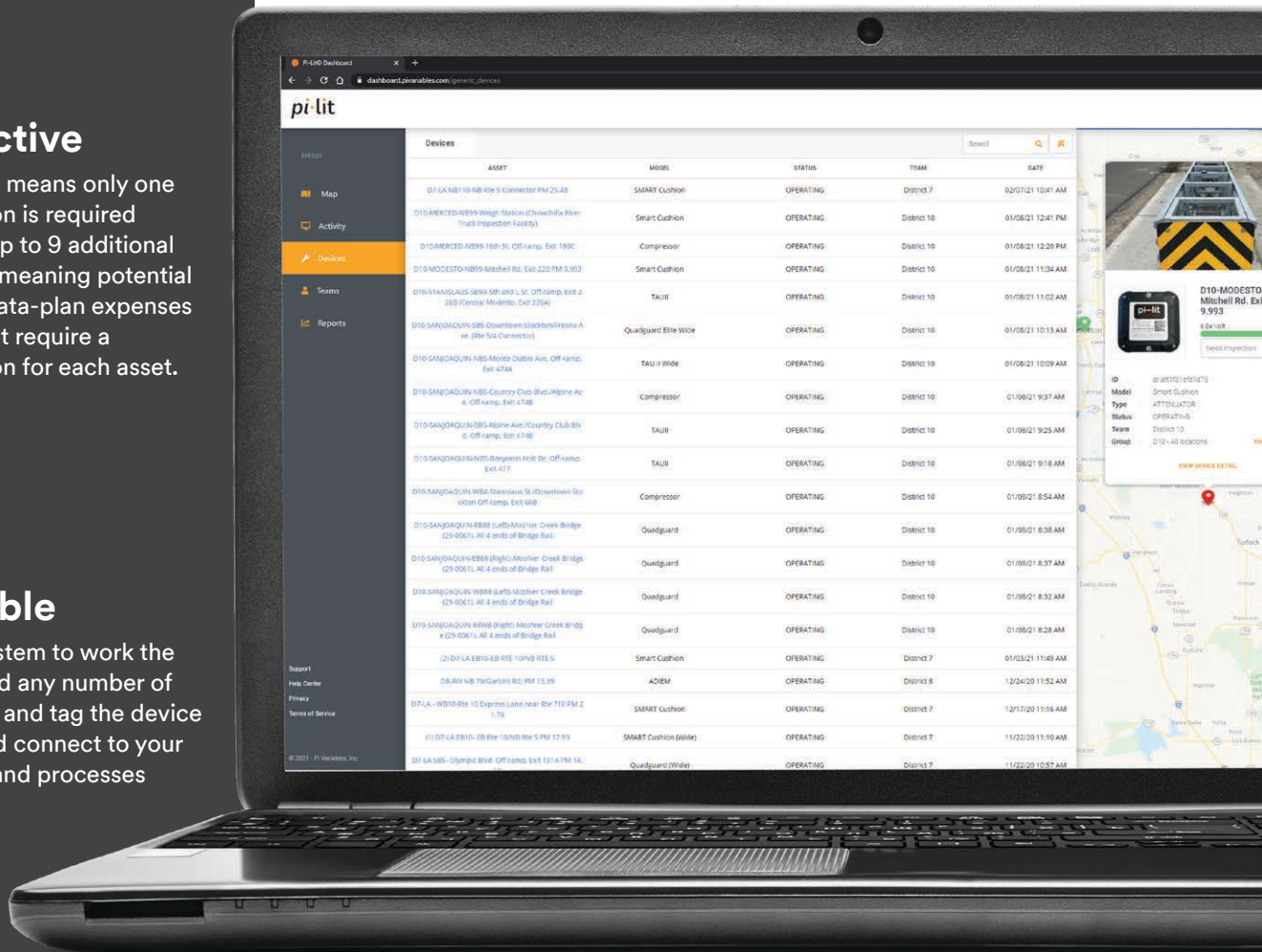


## Consistent

Each device in the 3M™ Impact Detection System will “check in” every 24 hours to ensure proper functionality.

## The result:

More assets returned to safe, working order quickly.



Easily installs on a wide variety of devices and substrates.

### Device Specifications

Size	4.69" L x 3.49" W x 1.629" H.
Weight	Gateway 0.9 lbs, Node 0.7 lbs
Battery life	2 year minimum
IP67 Rated	✓
Suggested operating temperature*	-20 °C to 65 °C** (-4 °F to 149 °F)

\*Cellular performance may be affected outside of suggested operating temperature.

\*\*Device reliability may be affected outside of -34 °C to 74 °C.

Ready to get connected?

**Contact your 3M sales representative or visit [3M.com/RoadSafety](https://www.3m.com/RoadSafety).**



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**See product bulletin for more details and 3M warranty information.**

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