RFID JOURNAL LIVE!

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PHOENIX CONVENTION CENTER | PHOENIX, AZ

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Expanding RFID Sensor Solutions for Supply Chain Monitoring

Jan Van Niekerk, Vice President of Engineering
Angela Kerr, Vice President of Products
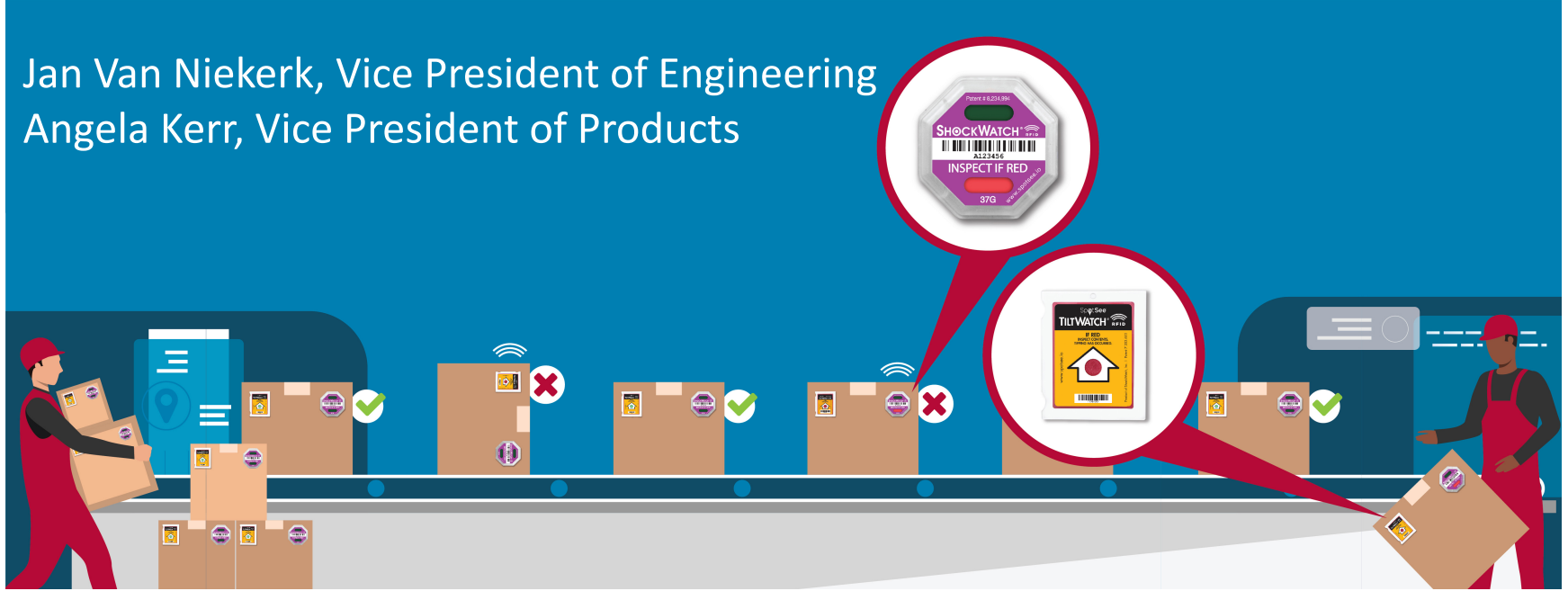
The Challenge

$2.3 trillion damage annually to shipped goods!!!

Solving the Problem

DETER → The knowledge that cargo is actively being monitored deters bad handling behavior by supply chain participants.
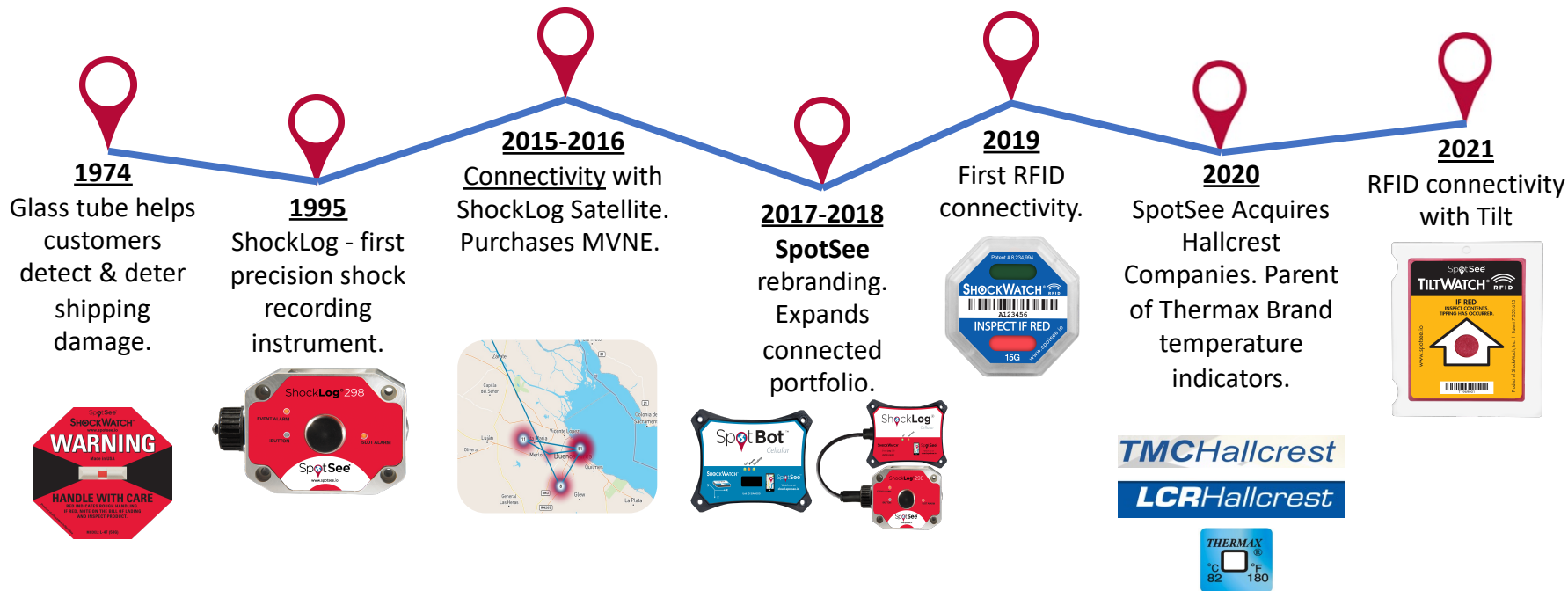
DETECT → Connected monitoring enables real-time damage detection so costs are minimized, and responsible parties are held accountable.

DIAGNOSE → Data and analytics provided by shipment monitoring enable the diagnosis and elimination of pain points within the supply chain.

40-60% typical reduction in damage!

Meeting The Challenge: SpotSee

1974
Glass tube helps customers detect & deter shipping damage.

1995
ShockLog - first precision shock recording instrument.

2015-2016
Connectivity with ShockLog Satellite. Purchases MVNE.

2017-2018
SpotSee rebranding. Expands connected portfolio.

2019
First RFID connectivity.

2020
SpotSee Acquires Hallcrest Companies. Parent of Thermax Brand temperature indicators.

2021
RFID connectivity with Tilt

SpotSee Product Portfolio

Product Portfolio

| Condition Indicators	Temperature Solutions	Condition Monitoring Devices	Vibration Monitoring Devices
Impact • Tilt	Temperature • Time	Impact • Temperature • Location Pressure • Humidity	Shock • Vibration
Visual ● RFID	*Visual*	*BLE ● Cellular ● Satellite*	*Ethernet ● WiFi ● Cellular*

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Connectivity: The Key to Real-Time Data

Connectivity with ShockLog Satellite
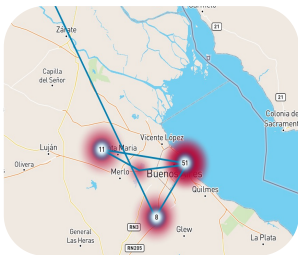
Adds Cellular, WiFi, Bluetooth
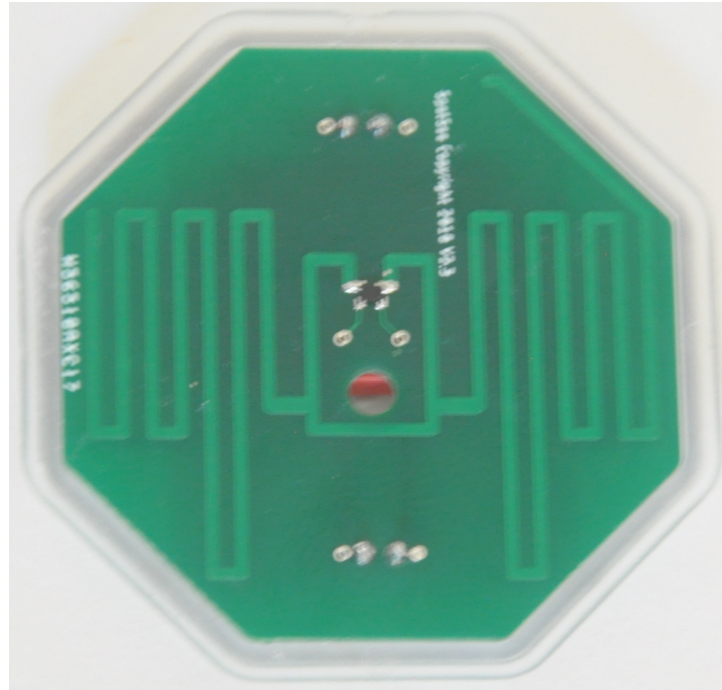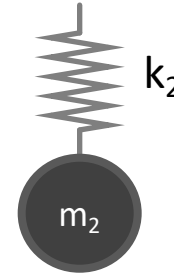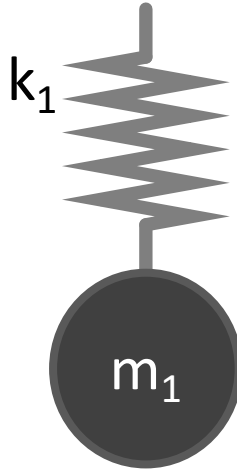
RFID connectivity

SpotSee's ShockWatch Indicator
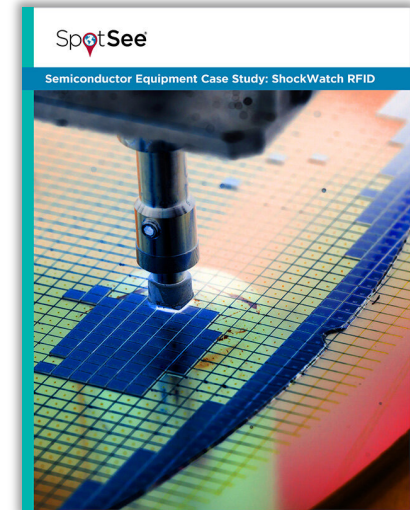
Adding RFID Connectivity to ShockWatch

Emulating Shock Behavior

ShockWatch RFID Tags Protect Sensitive Semiconductor Equipment and Wafers from Damage in Transit

- Application: Fabrication Equipment and Silicon Wafers
- Challenge: Semiconductor fabrication equipment and the silicon wafers they produce are extremely sensitive to impact and tilt.

ShockWatch RFID Tags Reduce Damage to Data Center Servers & Equipment

- Application: Data Center Servers

- Challenge: With vast numbers of servers, it's important to ensure they arrive from their manufacturers in pristine condition, ready to be installed.

SpotSee

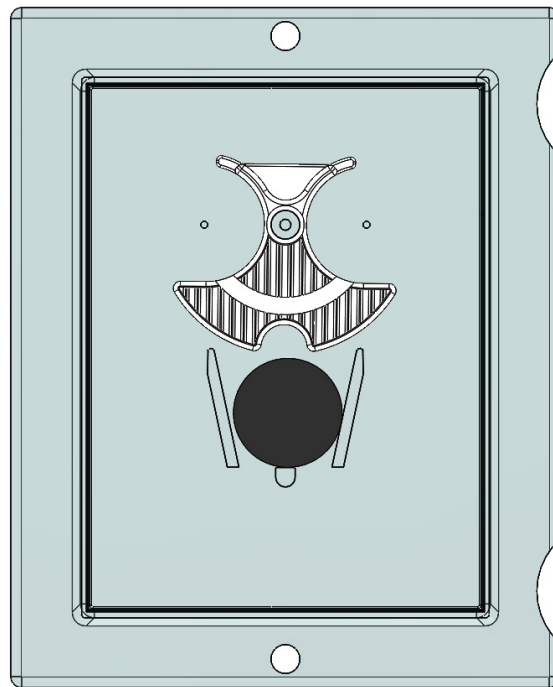Data Center Servers Case Study: ShockWatch RFID
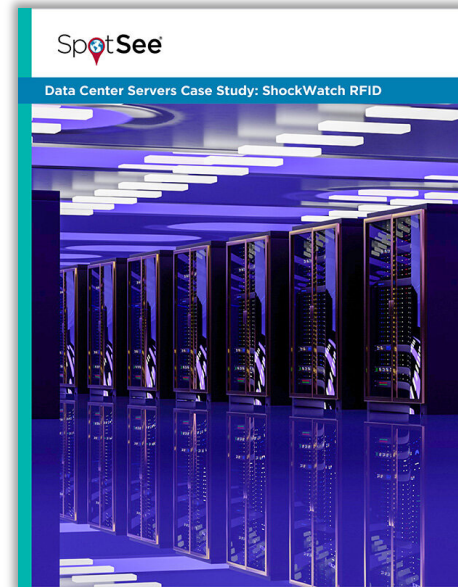
ShockWatch RFID Tags Identify Damaged Garage Doors Before They Are Delivered

- Application: Garage doors

- Challenge: A garage door manufacturer was dealing with costly returns because customers were receiving damaged doors.
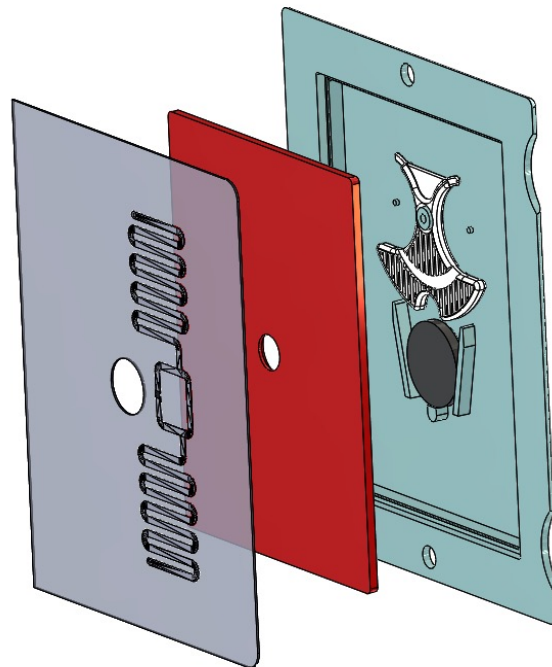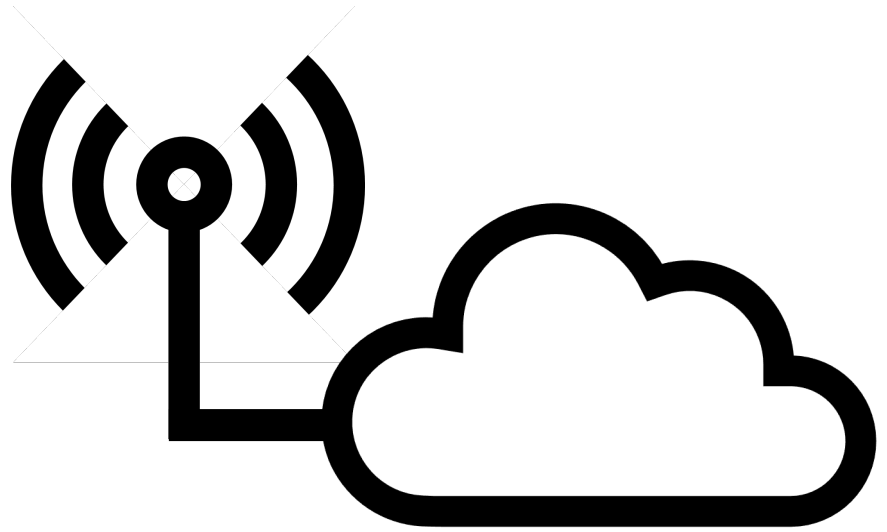
SpotSee's TiltWatch Indicator

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TiltWatch - Emulating Tilt Behavior

TiltWatch RFID - Affordable Connectivity

Demo – Reading the Status

THANK YOU

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