



# INVOCON, INC

**INNOVATION, INSPIRATION, IMAGINATION**

**Precision Instrumentation and  
Communication Solutions for Unique  
Applications and Extreme Environments**



## ■ **Wireless Vibration & Shock Data Acquisition**



- 3 or 4 Primary Data Channels
- Up to 20 kHz per Channel
- Wireless Communication
- Smart Sensor
  - Built-in Algorithms
  - Programmable Triggering
  - Programmable Scheduling



## ■ **Wireless Microgravity Instrumentation Systems**

- Internal & External to Space Station (ISS)
- Micro-g Accuracy
- Autonomous Wireless Routing
- Control from Station or Ground
- Cycle Counting Algorithm for Fatigue Monitoring
- Scheduled, Triggered, and Continuous Acquisitions



## ■ **Distributed Impact Detection System**



- Ultra Low-Power Monitoring
- Fast Wake-up and Acquisition
- Wireless Communication
- Small Size and Weight
- Acoustic, Acceleration, Ultrasonic



■ **Invocon, Inc.**

Innovative Concepts in Systems Engineering  
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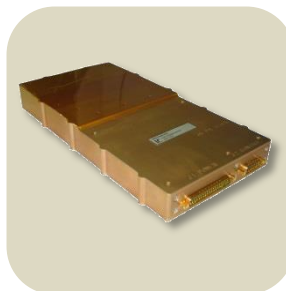
## ■ Radiation Monitors

- Spectrometer
  - Alpha, Beta, Gamma, X-Rays
  - Heavy Ions
  - Neutrons (optional)
- Dose/Dose Rate
- Determines Particle direction
- Battery and Vehicle Powered Versions



## ■ Satellite Instrumentation

- RF Power Amplifier, Interface, and Bias
- Electronic Power Conditioner
- Commercial Communication Satellites



Invocon, Inc. has developed electronic systems with a broad scope of applications - from underground to space, from military to commercial, from simple data recording to complex analysis, and from large-scale systems to miniature systems.



## ■ Invocon Capabilities

- Precision Instrumentation System Design
- Electronics System Manufacture, Integration, and Testing
- Software Development
- RF Communication System Design
- Low-Power, Battery-Operated Electronics Design
- High-Speed Data Acquisition

