



# **INVOCON, INC**

**INNOVATION, INSPIRATION, IMAGINATION**

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



## ■ **Impact Detection & Location Systems**

- Wired "Hit Grid" Systems
- Acoustic "Grid-less" Systems
- Make Screen Systems
- Full Telemetry Control
- Fully Programmable
- Health & Status Messages

## ■ **Smart Batteries**

- Lithium Ion Polymer Technology
- High Density Energy Storage & Delivery
- Auto Charge/Discharge Management
- Direct Replacement of Older Batteries



## ■ **Power Control Assembly**

- Controls Multiple Vehicle Power Inputs
- Switched and Unswitched 28V & 5V Outputs
- Over-Voltage Protection for Sensitive Loads
- Health and Status Outputs

## ■ **Invocon, Inc.**

**Innovative Concepts in Systems Engineering**  
19221 IH-45 South, Suite 530 | Conroe, TX 77385  
Phone (281)292-9903 | [www.invocon.com](http://www.invocon.com)

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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.

TM



## ■ Invocon Capabilities

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



## ■ Pyrotechnics Initiators

- Capacitive Discharge Initiator (CDI)
- 8 Mechanical Relay Closures
- Programmable to 1.0 ms Resolution
- Serial Programming of Trigger Times
- Dedicated Input for GPS
- Run Monitor over Telemetry and Umbilical



## ■ Integrated PCM Encoder

- 100+ Channels of Analog & Digital
- Simultaneous Sampling of Data
- NTSC Video Encoded to JPEG 2000
- Dedicated Input for GPS
- 20 MHz Telemetry Transmission Rate

