

Easy to Connect. Trusted for Accuracy.

AERO Connect is a next-generation perforating system sub that modernizes and simplifies the way legacy perforating guns are connected and fired. Designed to address reliability, safety, and speed, the AERO Connect brings all the benefits of the AERO Perforating System to conventional guns and delivers a smarter and more robust solution for complex wellsite operations.

What is AERO Connect?

AERO Connect is an intelligent, modular sub-system designed to connect and fire one, or multiple, legacy perforating guns in a safe, addressable, and RF-shielded environment. It replaces conventional diode and pressure switch chains with a digital, surface-verifiable platform that enhances operational control and system health monitoring.

Applications

- Natural completions where multiple guns must be reliably connected and fired
- High-shot-density operations requiring long gun strings (3 ft – 21 ft)
- Legacy gun compatibility with modern safety standards
- Operations needing skip-fire capability or downhole diagnostics
- Environments with RF exposure or risk of stray voltage
- Plug & Abandonment operations that require plug setting and perforation in the same run





AERO Connect Specs

Gun size compatibility	Currently available for 3.125" and 4.5" Owen gun bodies
Gun length compatibility	3 ft – 21 ft
Hole size	0.33" to 0.55" (depending on casing size/weight)
Maximum number of addressable guns per run	Limited by lubricator/rig-up length
RF safety certification	Certification through ITPO
Power requirements	Probe/Warrior type firing panel, minimum 300V output

Key Features

- **Legacy Compatibility:** Supports a wide range of Owen gun sizes and lengths
- **Modular Design:** Easily integrates into various string configurations
- **RF & Voltage Isolation:** Provides additional safety barrier against RF and stray voltages through AERO Control module
- **Addressable Switching:** Enables skip-firing of individual guns in case of failure
- **Surface Verification:** Allows gun string health checks before and during run-in-hole

Benefits

- **Increased Reliability:** Reduces misfires and connectivity failures
- **Enhanced Safety:** Mitigates risks from pressure switch failures which can be difficult to handle in the event of misfires
- **Operational Efficiency:** Shortens troubleshooting and decision-making time at surface
- **Reduced Risk:** Isolates any potential issues to specific guns instead of compromising entire gun strings
- **Future-Proof:** Adaptable to new technologies and legacy gun systems and brings the key benefits of the AERO Perforating System to a variety of gun systems and applications

Panel-to-plug solutions from Owen Oil Tools

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