Miniaturized Tactical ISR Radios with a Wide Range of Frequency Capability, Low SWaP and Extended Transmission Range

The Kratos Jaeger family of tactical protected communication and waveform radios help assure the Warfighter can securely transmit and receive critical information. The programmable software-defined radios have flexible options to empower all operators, whether tactical, strategic, air, ground or sea to share mission critical intelligence.

ADDRESSING TODAY AND TOMORROW’S ONGOING THREATS

Today’s adversaries are determined to deny communication. That means resilient, covert and agile communications techniques are needed now. Ongoing cyber and RF threats have driven the need for reliable protected communications that go beyond encryption and authentication when transmitting control and sensor information.

The Jaeger family of radios are stand-alone, software-defined transceiver radios that provide the needed levels of Secure CDL ISR (SCISR) interoperability.

DRIVING ADVANCES IN PROTECTED WAVEFORMS

For over ten years, Kratos has been the innovator in protected waveform technologies that include CDL and other waveform definitions for the DoD. Now Kratos is building on that experience by bringing tactical radios with CDL and other waveform definitions to the battle space.
**KRATOS’ JAEGER RADIOS ENABLE REAL-TIME PROTECTED COMMUNICATION ON THE BATTLEFIELD**

Dramatic improvements in technology are allowing Warfighters in complex, operational environment to seamlessly exchange secure data in support of Command and Control (C2) functionality and ISR information requirements.

The Jaeger family of radios provide a broad range of capabilities in a miniaturized form factor.

**PROTECTED**
Kratos’ Jaeger family of radios are engineered to support low probability of intercept and low probability of detection (LPI/LPD/LPJ) waveforms.

**SUSTAINABLE**
The Jaeger family takes advantage of software-defined waveforms to support readiness of legacy, current and future needs at an affordable cost.

**AVAILABLE**
Kratos’ radios allow Warfighters to securely transmit ISR data, voice and other data sets to all points within the tactical communication architecture.

**MINIATURIZED**
Kratos’ radios meet restrictive demands crucial to mission success. The secure, miniaturized radios have a light, ruggedized housing with low power requirements.

**SECURE**
The Jaeger family supports Type 1 encryption.

**MORULAR**
Kratos’ radios give integrated network communication capability across multi-band RF frequencies, allowing for flexibility within an overly saturated spectral environment.

**SCALABLE**
Kratos’ radios plug-and-play capability effectively scales across multi-mission operations and simulations.

**INCREASES SITUATIONAL AWARENESS WHILE MITIGATING RISK**

Provides additional data transport between ships

**SUPPORTS MULTI-BAND, MULTI-WAVEFORM CAPABILITIES:**
- RF Bands L, S, and C
- 466ER, Vortex Native Waveform, Tactical Waveform
- Additional tactical waveforms and algorithms available
**Simple Tech Refresh**

- Interoperable with current and legacy terminals
- Retrofits to almost any C4ISR platform
- Updates software with Ethernet connection
- Non-proprietary control and interface
- CDL, BE-CDL, TBS and future tactical waveforms capability

Provides digitally aided close air support architecture.

Gives aircraft the advantage by extending data exchange beyond its own organic communication suite through Jaeger enabled relay.

Collects real-time ISR data at the tactical edge.

Extends transmission range for Warfighter.

UAS used as range extension platforms.

High value threat.
**Kratos’ Jaeger Radios Bring Reliable, Real-Time ISR to the Tactical Edge**

The combination of RF and multi-band waveform capabilities make the Jaeger family the most affordable solution to meet long standing ISR communication requirements.

**REAL-TIME COMMUNICATION**
- Transmits full duplex and encrypted
- Passes high capacity IP traffic in diverse spectral environments
- Capable of penetrating deep into anti-access/area denial environment using LPI/LPD/LPJ waveforms
- Capable of transmitting all forms of IP traffic: C2 messaging, ISR data sets and Voice over IP (VOIP)

**EXTENSIBLE FOR INCREASING COST-EFFECTIVENESS**
- High capacity channels simultaneously accommodates full motion video and VOIP
- Affordable and delivered with superior capabilities, including a wide range of frequencies and power level options
- Programmable: Leverage existing assets in adaptive ways
  - Real-time C2 radio
  - Tactical ISR data
  - Point-to-point communication
  - Range extension with tethered capability

**OPTIMIZED TO RECEIVE AND USE THE LATEST TECHNICAL UPGRADES**
The unique software-defined radio design expands capabilities on your existing platform.
- Hosts legacy and newer waveforms
- Reduces SWaP while increasing power and transmit range
- Equips any platform with turn-key secure communication
- In-the-field reprogramming allows real time mission flexibility to an ever-changing, dynamic battlefield
- Supports continuous interoperability across platforms with software upgrades

**PLATFORM AGNOSTIC**
The Jaeger family of radios have plug-and-play features allowing immediate use without long-structured depot time. Specifically designed to support minimal platform integration, they make radio upgrades fast and affordable.