

# Secure, Tactical Cross Domain Transfer of Aircraft Surveillance Data

## Summary

### INDUSTRY

U.S. Department of Defense

### CHALLENGES

Securely transmitting filtered sensor and reconnaissance data from field aircraft in real time

### SOLUTION

Owl XD Bridge ST cross domain solution

### BENEFITS

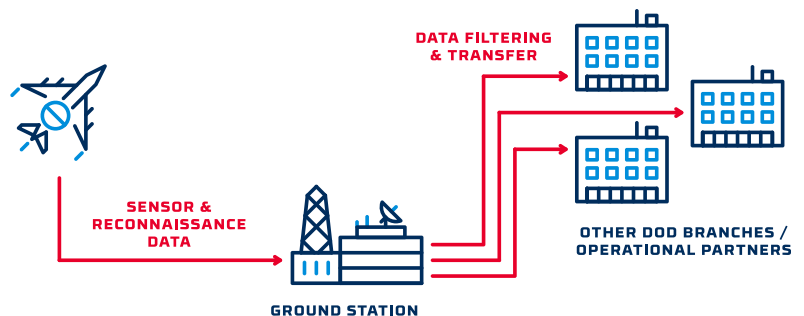
Filtered real-time data transfer enabled joint operations partners real-time visibility to field operations without exposing sensitive information

## Cybersecurity Challenge

Modern field operations often feature multiple surveillance aircraft to monitor various adversarial activity, such as air, land, and sea force movement, facility activity, blue force tracking, and other intelligence based on visual and sensor data. Ordinarily, this data is fed through field command to parse and filter potentially sensitive information. However, for maximum combat efficiency and efficacy, this data is needed by joint operational command partners at as near-real-time as possible, but without exposing potentially sensitive or classified data to unauthorized parties. Therefore, a direct transfer mechanism is needed, in a low size, weight, and power (SWaP) form factor that can be installed on the aircraft.

### REQUIREMENTS

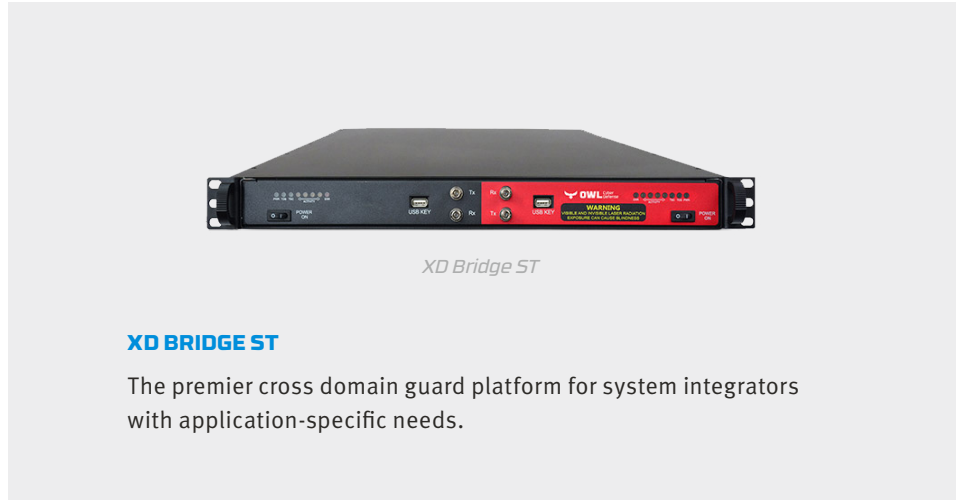
- Transfer surveillance and sensor data in near-real-time
- Customizable filters for sensitive or classified data/metadata based on mission security policy requirements



*Before Architecture*

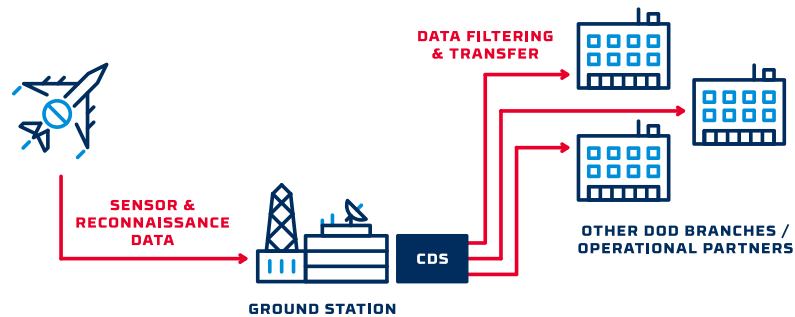
## Solution

The Owl XD Bridge ST accredited, RTB-compliant cross domain solution provides the customizable filtering capability needed for a variety of surveillance and sensor data applications in the modern battlespace.



## Results

- Secure, real-time transfer of sensor and reconnaissance data from aircraft to joint operational command partners
- Sensitive content filtered from data transfer to prevent unauthorized exposure / data leakage
- Increased situational awareness and operational efficiency
- Reduced time to actionable intelligence and potential for blue-on-blue conflict



*After Architecture*

## OWL Cyber Defense

Owl Cyber Defense cross domain, data diode, and portable media solutions provide hardened network security checkpoints for hardened threat prevention and secure data availability. For over 20 years, Owl's unmatched expertise, products, and services have been trusted by clients in government, defense, critical infrastructure, and commercial organizations around the world.

For more information on Owl, or to schedule a demo, visit [www.owlcyberdefense.com](http://www.owlcyberdefense.com)