DiOTa™
Defending IIoT Assets

The “Industrial Internet of Things” (IIoT) encompasses connected systems and devices outside of the traditional IoT business and consumer context, including PLCs, manufacturing robots, building automation, traffic controls, safety systems, and more.

Securing the IIoT
As the digital revolution drives us toward Industry 4.0, data from connected IIoT devices has enabled advanced analytics for process optimization, maximized uptime, and predictive maintenance. The demand for this valuable data from both OT and IT opened up new connections, converging the two technology networks into one hybrid collective. However, it also opened up high-risk pathways for cyberattack into OT networks, and because they have lagged in security, industrial organizations now face a perfect storm of vulnerabilities and risk. A recent survey exposed that nearly 90% of critical infrastructure environments were disrupted or damaged by a cyberattack in the past two years.

Current security best practices dictate positioning security as close to the assets as possible. With OT/IT convergence and the emergence of edge computing opening up traditionally isolated networks, no longer is a soft perimeter defense sufficient to protect sensitive IIoT systems and devices. In order to address these unique challenges, Owl has developed a new solution ideal for IIoT and endpoint security – DiOTa.

DiOTa
Owl’s new, single-purpose solution for hardware-enforced security and one-way data transfer, DiOTa is like no other data diode solution created before. With a fast, intuitive setup, economical price, and compact form factor, organizations can quickly and easily deploy DiOTa devices in the field to protect multiple critical assets or remote devices without the need for heavy ongoing management, updates, or support.

Our team is always available to meet your cybersecurity needs.
An oil & gas company required collection of sensor data distributed across remote sites miles apart. Without the resources to regularly maintain and monitor a firewall, the insecurity of the sensor stations prohibited the company from opening a connection to them. Deployed quickly and easily across the remote stations, DiOTa enabled the company to collect and transfer sensor data via TCP back to a cloud-based monitoring center for analysis without the need for dedicated support resources to maintain security.

**Technical Specifications**

**PROTOCOL SUPPORT**
- TCP, UDP (Unicast, Multicast), or File Transfer

**BANDWIDTH**
- Up to 5 Mbps

**CHASSIS SIZE**
- 1.75" W x 6.75" H x 5.75" D
- 4.44 cm x 17.15 cm x 14.48 cm

**UNIT WEIGHT**
- 1 lb / 0.45 kg

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com