

Protecting data and communications for security monitoring and analytics

OT Security Platform providing data ownership to MSSPs and SOC operators.

The Challenge

Digital transformation & industry 4.0 initiatives require capturing and processing data, from the site in which data is generated to the site in which this data is consumed and analysed with multiple advanced tools. For any industry 4.0 initiative, cybersecurity is essential for protecting sensitive data and avoiding risks in conformity with best industrial cybersecurity standards (IEC 62443).

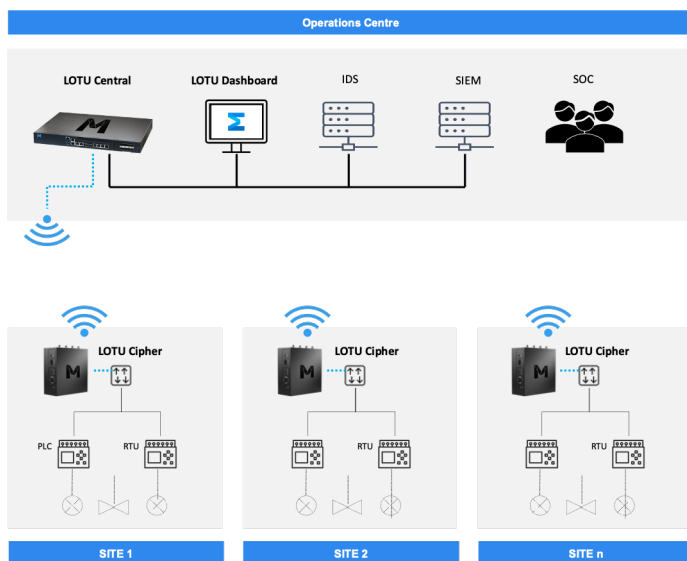
Therefore, solutions aiming to protect data and deliver it to multiple tools guaranteeing availability, integrity and confidentiality are required. Best practices recommend using certified products, offering advanced security functionalities.

The Solution

Lotu delivers best-in-class security to OT & IoT connectivity, creating safe communication channels over public and private networks (Ethernet, GPRS, 3G, 4G) and delivering traffic to monitoring and analysis tools.

This solution combines the best of VPN with Enigmedia OS advanced security features, creating a lightweight and highly efficient secure communication solution for distributed networks, minimizing time delays in real-time communications while securely protecting these communication and managing their access rights.

It allows MSSPs and SOC operators to separate data collection from the application stack, delivering the data you want to the tools you need.



Key functionalities

LOTU comprises 2 key elements: a security enhanced agent (LOTU Cipher) deployed on each remote site, and LOTU Central as a centralized management console, including an intuitive user interface for Cipher onboarding and configuration.

The solution provides the following key functionalities:

- **VPN Hardening:** Secure all data packets, unlike traditional VPN solutions that allow Split Tunnelling and tunnel shut-down.
- **Authentication:** Authenticate connections and eliminate unauthorized access.
- **IPS Module:** Implement Active Protection with automatic or manual rules from Lotu Central Dashboard.
- **Host IDS:** Get alerts in you SIEM for SOC or MSS.
- **Centralized Management:** Configure and manage the system and its functionalities from an intuitive central dashboard.

Lotu Active Protection

Lotu provides a unique IPS module allowing operators to react to alerts with automatic or manual rules from Lotu Central Dashboard. The IPS module includes easy firewall rules configuration for each device and test mode functionalities to authorize protocols and ports from the floor.

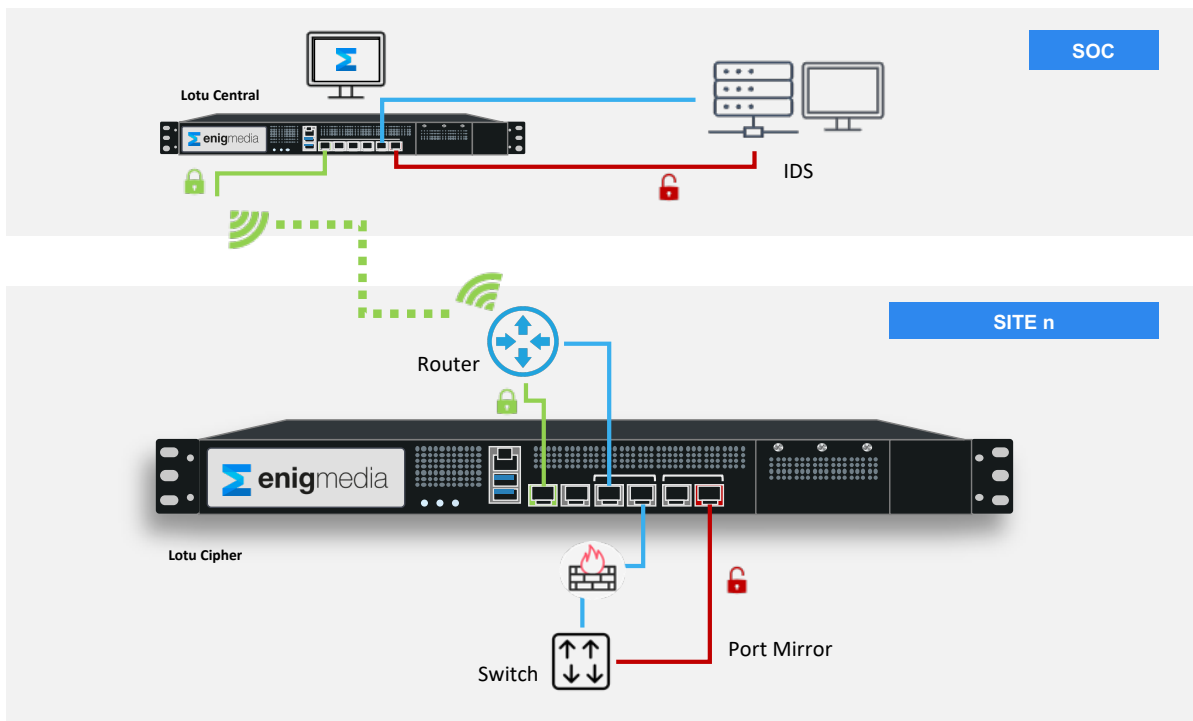
Enigmedia OS

MUGA enjoys a hardened Enigmedia OS specifically designed for industrial network requirements, and considering “availability” as the main value to preserve. Among others, Enigmedia OS includes:

- Secure boot
- Full disk encryption
- Anti-tampering
- Host IDS
- OTA (over-the-air) signed firmware updates
- Hardware watchdog
- Alerts and logs management

Connectivity

Lotu allows multiple connectivity options including Ethernet, LTE, GPRS, 2G, 3G, 4G and fibre.



We want to hear from you

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About Enigmedia

Enigmedia builds cutting-edge industrial cybersecurity products to protect critical infrastructures and industrial companies in their digitisation journey. Enigmedia products have been designed together with industrial CIOs and CISOs and in conformity with international norms, standards and best practices. Enigmedia helps to mitigate industrial threats with advanced cybersecurity features.