

SCADA INDUSTRIAL CONTROL NETWORKS' HIGH-ASSURANCE ENCRYPTION

European energy supplier protects SCADA control network with Senetas high-assurance encryption.

BUSINESS CHALLENGES

As a provider of critical infrastructure, **safety, traceability** and **transparency** of operations are essential.



Large volumes of sensitive data



Dedicated Layer 2 network infrastructure



Multi-site, hub and spoke topology



Physical threat protection



Prevent data corruption or injection



Stringent compliance obligations

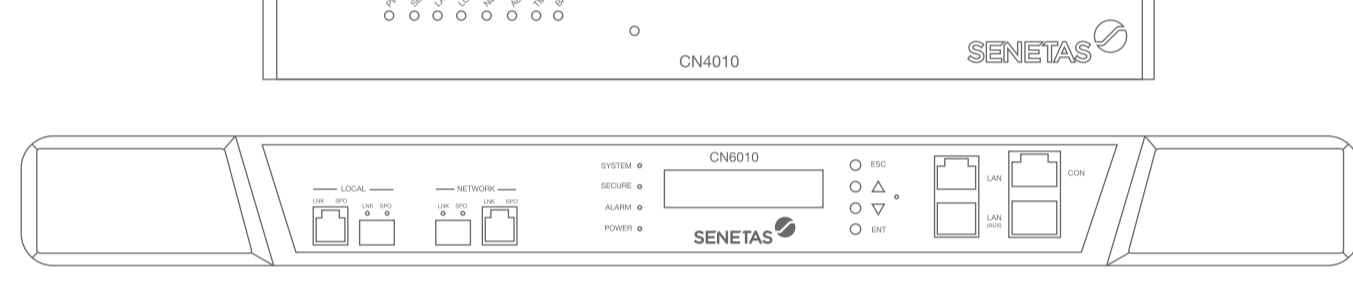
Recent attacks on critical infrastructure installations have shown how easily malicious software can be introduced to control systems.

The industrial IT world needs to rethink security and look beyond high fences and locked gates.

SANS INSTITUTE

ENCRYPTION SOLUTION

Two types of Ethernet encryptor from the Senetas CN Series were chosen; the compact field-locatable CN4010 for smaller branches and the carrier-grade rack mounted CN6010 for larger installations.



"We were convinced by the Senetas solution from the start. The price/performance ratio was good, the test implementation went smoothly and the support was very professional"

HEAD OF SYSTEMS SUPPORT

KEY BENEFITS



Maximum network data security



Zero impact on network performance



Renders data useless to unauthorized users



Prevents injection of rogue data



Automatic intrusion detection



Systems failover for resilience



Flexible licensing model



Scalable and interoperable



Low total cost of ownership



Ease of deployment and management



Versatile, in-field encryption



Tailored to SCADA network

WHAT IS HIGH-ASSURANCE?

Senetas high-assurance Metro Area and Carrier Ethernet encryptors include the added security assurance of certification by leading independent testing authorities and the following essential features:

Secure, tamper-proof, dedicated hardware

Standards-based encryption algorithms

End-to-end, authenticated network encryption

Automatic 'zero-touch' encryption key management



DISCOVER MORE ABOUT CN SERIES ENCRYPTORS



DISCOVER MORE ABOUT CN ENCRYPTORS



DOWNLOAD THE FULL SCADA ENCRYPTION CASE STUDY



READ MORE ABOUT HIGH-ASSURANCE ENCRYPTION

Senetas CN Series hardware encryptors and CV Series virtual encryptors are distributed and supported internationally by Gemalto under its SafeNet brand; within the US Federal Government by SafeNet Assured Technologies, and throughout Australia and New Zealand by Senetas and accredited partners.

Senetas is a leading developer of encryption security solutions; trusted to protect enterprise, government, defence, Cloud and service provider data in over 35 countries. From certified high-assurance hardware, and virtualized encryption, to secure file sharing with data sovereignty control, all are based on the same crypto-agile platform and deliver security without compromise.

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