G-Protect

Defensive Deception for Network Protection

G-Protect is a Defensive Deception tool for substation Network Protection from cyber attacks. It deflects the attacker that approaches the station bus switch, to the decoy substation that mimics the original target. The decoy helps in understanding the attacker's stratergy, origin and other critical details. With this information the substation network is hardened to prevent subsequent attacks.

Key Features:

- High computational speed device with software and decoy
- Accessibility to all the layers of the network via decoy switch for bypassing the attackers
- Decoy network to interact with the attackers
- Network analytics of MAC and active IP addresses with identification of critical messages
- Network configuration with Open Flow protocol
- GUI interfaced for operational workflow
- Supports IEC 61850 & IEC 62443 protocols
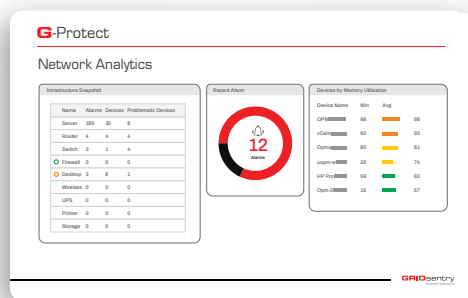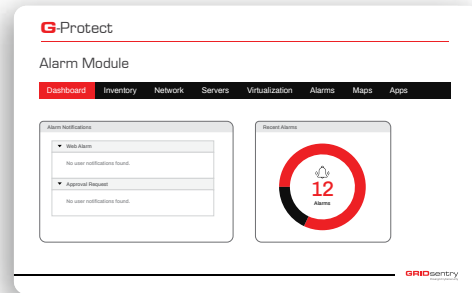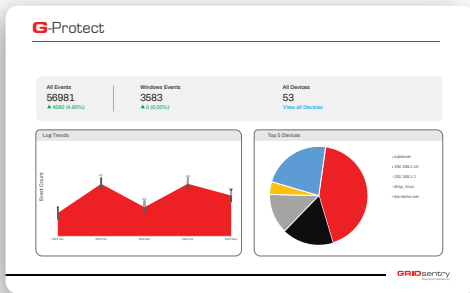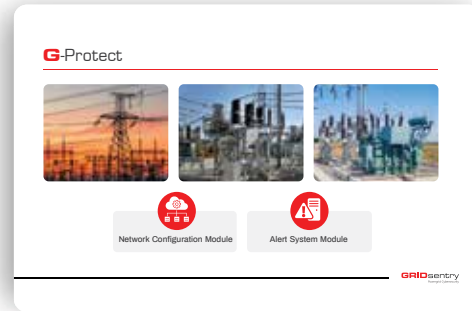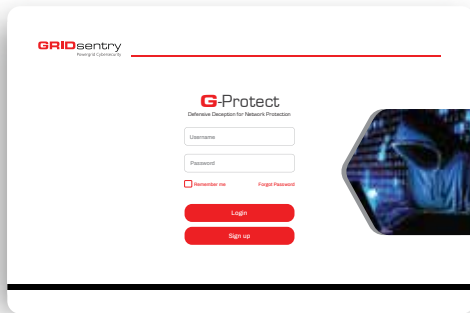- Third-party integration support

Offerings:

Network Configuration Module

Alert System Module

Dashboards:

Why G-Protect?

G-Protect is a unique cybersecurity tool developed by the distinguished team of GRIDsentry for intrusion protection of substation networks. The application has been developed based on the proprietory Defensive Deception technique. It interacts with an intruder in a live network and protect the substation from the intended cyber attacks.

About GRIDsentry

GRIDsentry is a Powergrid Cybersecurity company founded by domain experts with years of field experience. We secure digital electric substations from cyber-attacks. We provide intrusion protection, detection and mitigation solutions based on defensive deception technology and AI/ML techniques.

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