



# G-Detect

AI powered Intrusion Detection

**G-Detect** is an AI powered Intrusion Detection System (IDS) for deep packet inspection of messages in a digital substation. Inspection is performed in online mode for real-time intrusion detection and offline mode for forensics.

## Key Features:

- High computational speed device with software for identifying the intruder
- Accessibility to all the layers of the network via a network tap or port mirroring for anomaly detection
- Packet capture by tapping the station bus of the substation
- Protocol Decoder for segregation of packets
- Anomaly detection based on data-driven, statistical driven and model driven AI/ML algorithms
- UI/UX interface Alarm System
- Supports both Windows and Linux Operating System simultaneously without any time lag
- Supports IEC 61850 & IEC 62443 protocols
- Supports message communication like GOOSE, Sampled Value & MMS
- Active and Passive network scanning

## Offerings:



Data Processing and  
Anomaly Detection

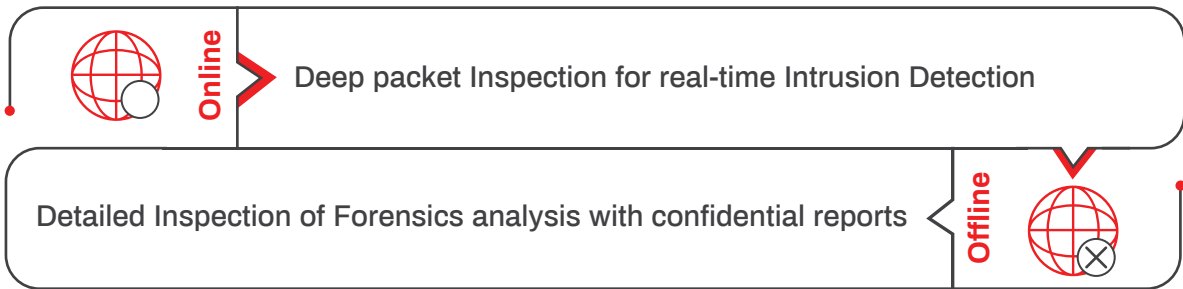


Confidential Report  
Generation

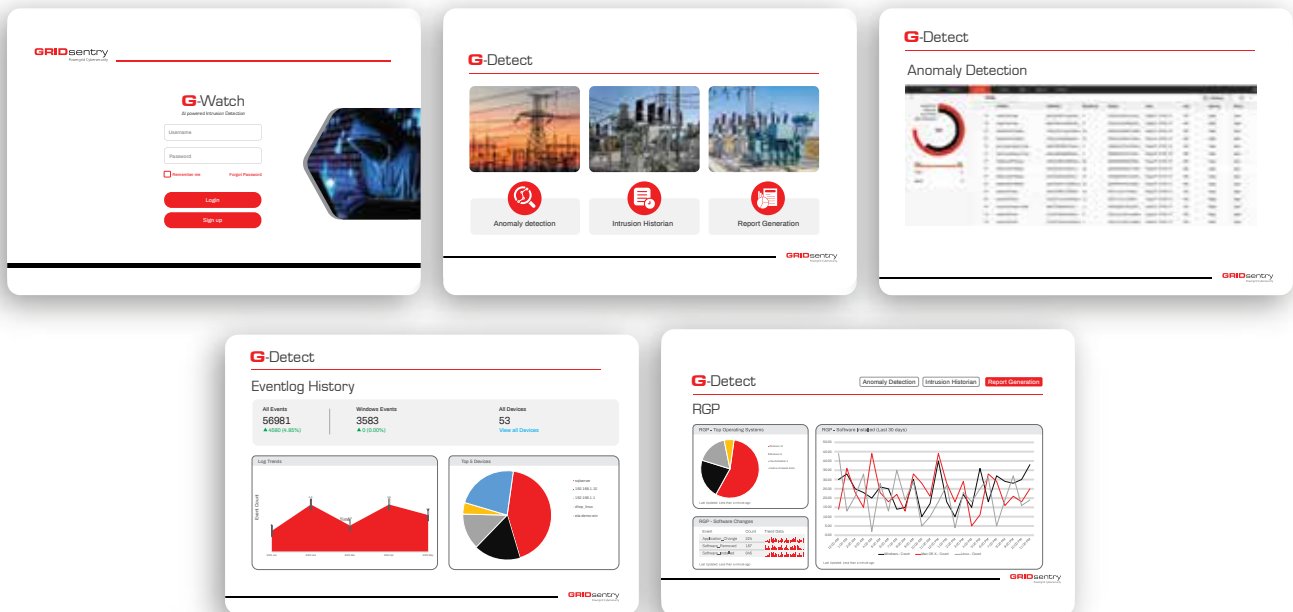


Intrusion  
Historian

## Methodology:



## Dashboards:



## Why G-Detect?

G-Detect is the latest cybersecurity tool developed by the distinguished team of GRIDsentry for intrusion detection in a substation network. The application is based on latest AI/ML techniques. It is capable of detecting an intruder in a live network as well as in an offline forensic mode by analyzing historical datasets.

## 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.

### Contact:

426, Phase IV, Peenya Industrial Estate, Bengaluru, India – 560058

Branch offices: India and USA

+91 96637 04316 devika.j@grid-sentry.com

www.grid-sentry.com

**GRIDsentry**  
Powergrid Cybersecurity

