



Groundbreaking Clinical Security Analytics Platform [CCOM²] Integrated within Cylera's MedCommand™

Overview

The Cylera MedCommand™ Platform integrates with [CCOM²], The AbedGraham Group's Clinical Security Analytics Platform. The AbedGraham Group's products have been developed by physicians and validated through over a decade of field use in clinical settings. [CCOM²] analyzes, quantifies, and ranks hospital network vulnerability risks in real time using advanced clinical contextualization algorithms. In combination with Cylera's IoT and IoMT device monitoring, asset management, fleet optimization, and threat detection and intelligence capabilities - this integration allows clinical and security leaders to enhance patient safety and optimize clinical workflows through cybersecurity.

What is [CCOM²]

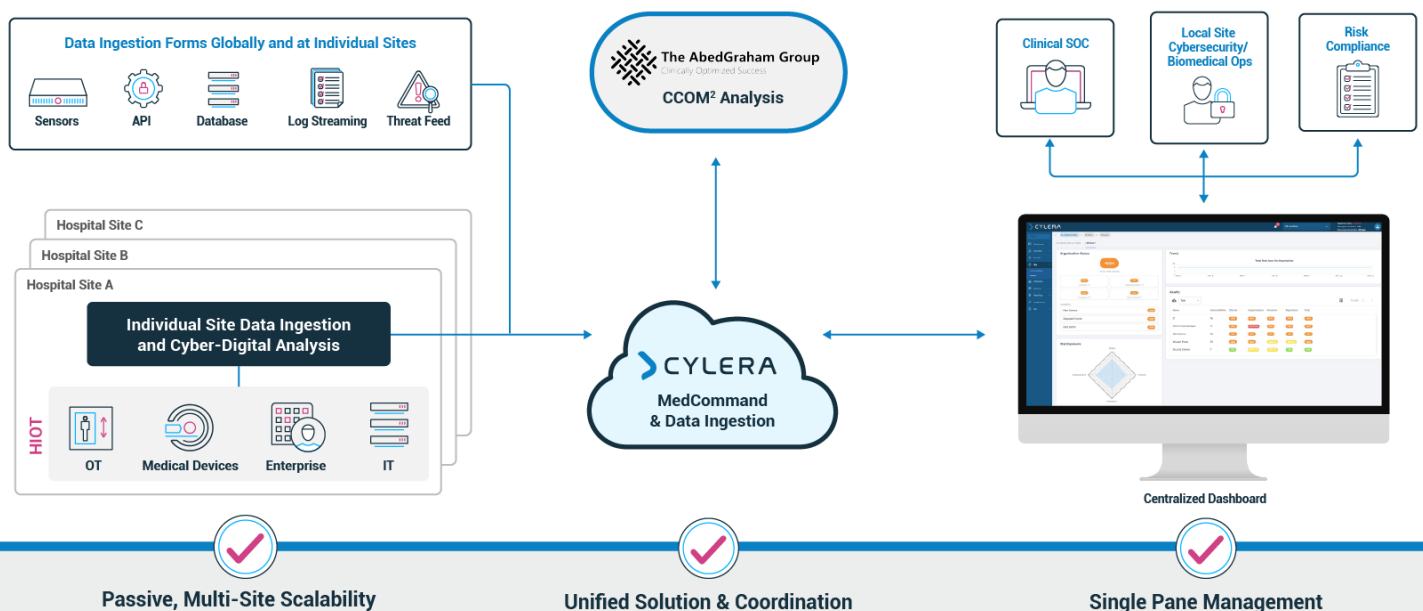
[CCOM²] is a first of its kind, cloud based, Clinical Security Analytics Platform natively integrated into Cylera MedCommand™ that quantifies the clinical risks that stem from IT and IoT endpoints across healthcare networks.

From network infrastructure to complex medical devices, [CCOM²] ingests rich data from Cylera, and using physician-developed algorithms allowing assets and vulnerabilities to be ranked based on their contextualized true risk profile. If needed, risk remediated recommendations will be provided, according to quantified, scalable threats to patient safety and care delivery within the workflows of clinical environments.

What is Cylera MedCommand

MedCommand is a purpose-built software platform to solve the complex technological and operational challenges of securing and managing connected medical devices, IoT and OT. The Cylera Platform delivers real-time visibility, inventory, operational intelligence, risk and vulnerability analysis, risk mitigation, segmentation, and threat detection and response. The Cylera Platform capability is unified through a central management console to streamline operations and provide value across multiple sites and teams.

Deployment Architecture





How [CCOM²] Performs Clinical Analytics

This capability comes from a decade of clinical workflow analysis combined with frontline experiences of practicing medicine. The AbedGraham Group's physicians have modeled all known clinical workflows and their variations and profiled a tremendous array of networked devices in hospitals from medical devices to network infrastructure (e.g. servers, appliances).

The first step in the [CCOM²] process is determining granular asset context using rich attribute data generated by Cylera sensor technology. For example, whereas standard security solutions can only identify a CT scanner based on a single, generic technical profile, [CCOM²] contains 90+ CT scanner profiles based on clinical workflow variations. Additional examples include 500+ workstation variations with the average networked asset having 25+ contextual variations based on hospital workflows.

Once an asset profile has been assigned to a discovered device in real-time, this is combined with the detected incoming vulnerability data and a host of 'algorithmic pathways' are triggered to generate a series of clinical, organisational, financial, regulatory and total risk scores for every asset overall and every instance of a vulnerability. These findings are visualised powerfully and can be interrogated within Cylera MedCommand.

FOR FURTHER DETAILS

For inquiries or to arrange a demo please contact us

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KEY CAPABILITIES

- Cylera Native Integration & Visualization**
[CCOM²] is natively integrated into Cylera MedCommand for seamless operations. [CCOM²] has optimized data ingestion and visualizations that empower you to see exactly where the greatest risks to patient safety are within your health enterprise.
- Identify Clinical Risks**
Clinical risk can only be established through clinical expertise. However cybersecurity risk analysis is part of [CCOM²]. It quantifies and ranks risks using a unique proprietary algorithmic scoring system based on patient safety and clinical workflow disruption, and MedCommand has built-in response and mitigations for Clinical Engineering to efficiently follow.
- Contextualize Your Assets**
AbedGraham physicians have mapped all known clinical workflows and their variations so [CCOM²] can rapidly profile the exact workflow context of any asset detected on your network in real time using rich attribute data generated by Cylera.
- Enriched Vulnerability Data**
[CCOM²] goes beyond CVSS by performing analytics on every instance and specifics of vulnerabilities detected based on every asset and workflow it is associated with.