**visium** ANALYTICS

TruContext™ POWERED BY MITRE

TruContext tackles the challenge of connecting the dots between the massive production of infrastructure data that comes from every connected device, sensor, or machine that generates a digital footprint.

1 Issues and Challenges

Building a secure infrastructure is all about understanding connections. From cellular networks, transportation routes, gas pipelines, to corporate IT systems; they're all complex connected systems. A single point of failure within the network can have devastating impacts.

With every connected device or machine generating a digital footprint, it's easy to produce infrastructure data on a massive scale. The challenge we face is connecting the dots. That's where network mapping software and data visualization plays a crucial role.

Operational Technology | **Information Technology**

IT ↓ ↓ OT
TruContext

IIoT System
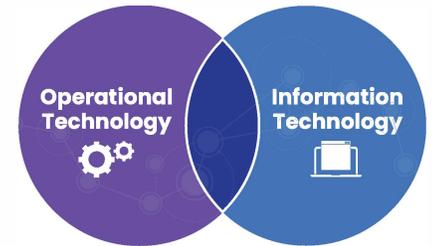
2 The TruContext Solution

Every day, billions of events can take place in a single network. To make sense of all the disparate pieces of information, analysts need to see what's happening from the right perspective. TruContext allows users to see their data from a vantage point that explains the connections in their critical infrastructure. Network mapping software makes it easier and faster to uncover vulnerabilities and bottlenecks in critical infrastructure networks. These scale from a single connection to tens of thousands, revealing network patterns and specific device behavior.

3 Value to Customer

The Purdue Model has provided a hierarchical structure for industrial communications to keep computing and networks deterministic. But in the age of IoT, data flow is no longer hierarchical.

TruContext has been able to capture relevant sensor data from older iconic systems so you can quickly see the device and where it communicates in the Purdue Model. For example, you can quickly identify if a device on Level two is talking to or connected to a device on Level 4 which would be a violation.

TruContext's underlying Cygraph technology is deployed within the Army Cyber command and is able to prioritize exposed vulnerabilities in mission-critical assets. In the face of attacks, it correlates intrusion alerts to known vulnerability paths and suggests courses of action. For post-attack forensics, it shows vulnerable paths that warrant deeper inspection for faster event analysis.

Level 2

Level 4
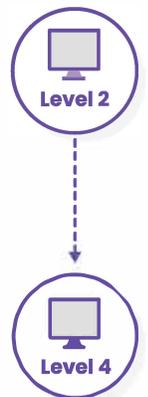
Why TruContext?

TruContext allows analysts to visualize how their network devices are connected, easily identify if there is an IT/OT binding, and resolve any issues by seeing exactly what device is talking to what!

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