

Adaptive Digital Defense for OT environments / OT Visibility & Profiling

Adaptive visibility, the prerequisite for digital security



Adaptive Digital Defense



"Industrial companies have begun to engage in a digital race..."

A 2017 report released by Morgan Stanley analysts provides further evidence of the trend favoring the increased use of technology: Digital Manufacturing has reached the tipping point, and is now going mainstream.

Despite growing security risks and increase in regulatory pressure industrial firms do not have a centralized, real-time view of all assets connect to the organization; IT, IoT / IIoT and OT.

Manufacturing and other industrial related companies require a 360° real-time view of everything that is connected to the network both locally and remotely (third party vendors etc.), in IT & OT networks.

The solution needs to be easy to adopt to the infrastructure and business logical and guarantee zero impact on uptimes.

VISIBILITY AND CONTROL OF ASSETS IS THE N° 1 SECURITY CONTROL. CIS*

... originating a complex and growing problem":

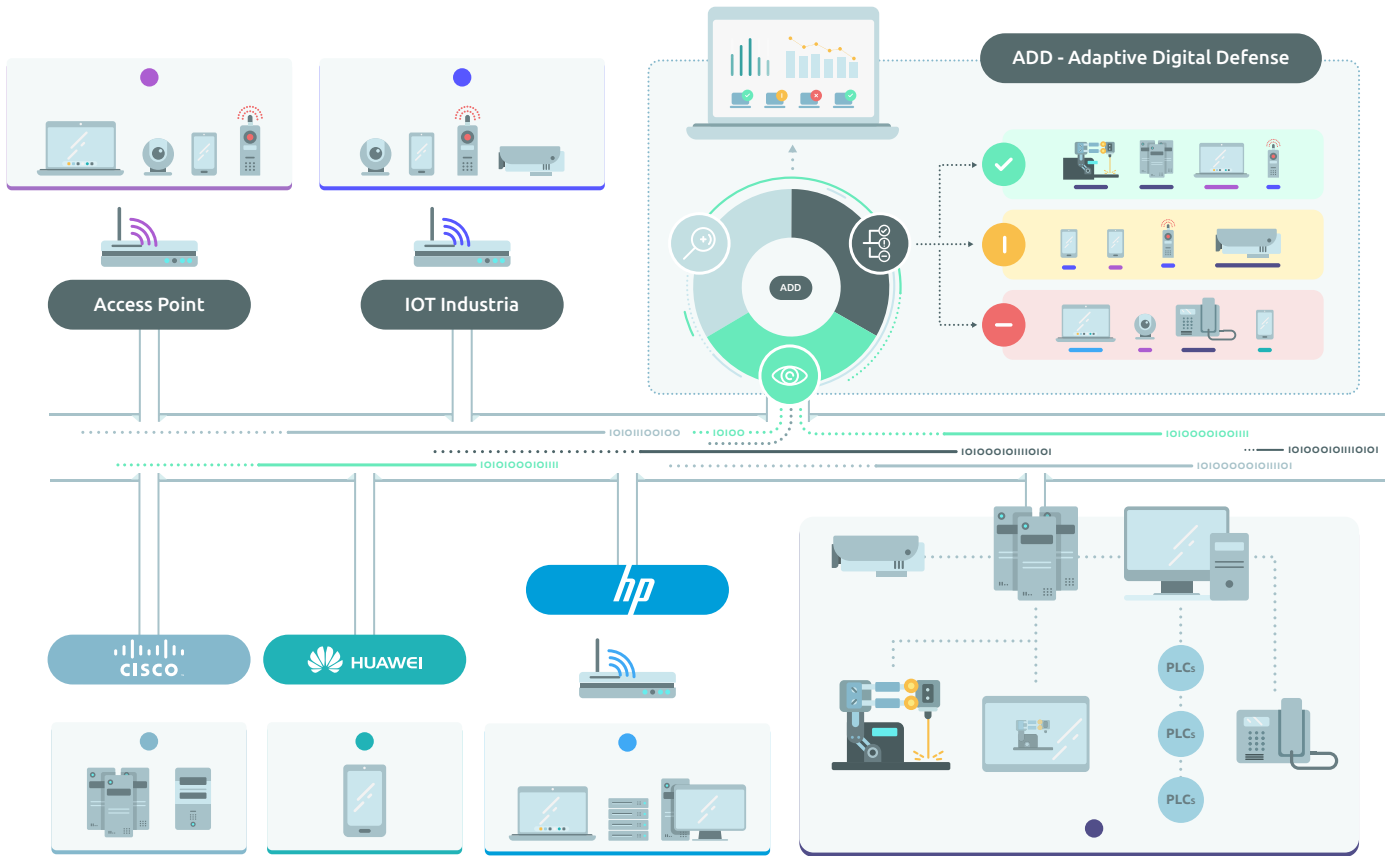
According to 2018 Gartner report "Strategic Roadmap for Integrated IT and OT Security": OT networks have been unmanaged, from a security and risk perspective, for many years. They are flat, with a mix of OT protocols, unidentified assets, legacy systems and devices with unsecure communications.

A SIMPLE, ADAPTABLE SOLUTION:

Adaptive Digital Defense for OT environments / OT Visibility & Profiling is a software-based solution that enables companies running all kind of industrial processes to gain 100%, accurate, real-time visibility of all assets connected to OT networks.

Via non-intrusive techniques and a modular approach organization can achieve a centralized view of their networks assets and establish their mission criticality to determine the appropriate security controls while guarantying zero impact on uptimes.

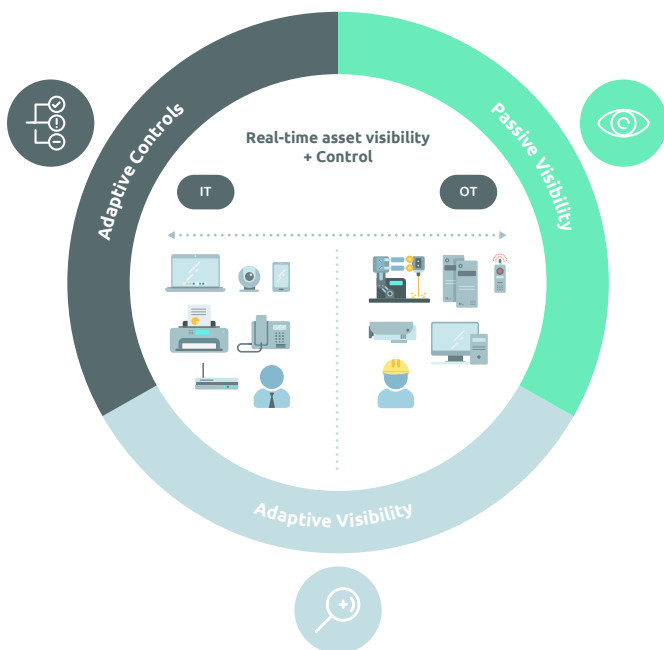
WITH SO MANY SOLUTIONS ON THE MARKET WHY ARE ORGANIZATIONS STILL FAILING THE VISIBILITY TEST; THE PREREQUISITE FOR DIGITAL SECURITY?






THE ADAPTIVE SOLUTION:

Adaptive Digital Defense for OT environments / OT Visibility & Profiling is software-first technology guaranteeing an agnostic, flexible solution that can quickly adapt to the organizations existing infrastructure and security stack, reducing barriers to adoption and guaranteeing quicker results.

Adaptive Digital Defense for OT environments / OT Visibility & Profiling works off an extendible tag system for categorization. Assets are automatically discovered and categorized using available asset information but organizations can extend that information to apply the organizations own logic and mission criticality etc.



VISIBILITY IS GAINED IN A PHASED, LESS TO MORE, APPROACH WHICH ENABLES TEAMS TO GAIN QUICK WINS AND MATURE AS THE TECHNOLOGY IS IMPLEMENTED.

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1. Passive Visibility
 Passive discovery and profiling of every asset that is connect to the OT / IT network is achieved automatically using multiple techniques via a non-intrusive port-span probe
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2. Adaptive Visibility
 OT teams can establish the mission criticality of the assets and if they can be exposed to active profiling to extend passive asset information. The tool is based on RESTful API it can integrate rapidly with third parties
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3. Adaptive Controls
 With a complete picture of all assets and their mission criticality organizations can define what controls should be established; segmentation, alerts, compliance reports / base lines.