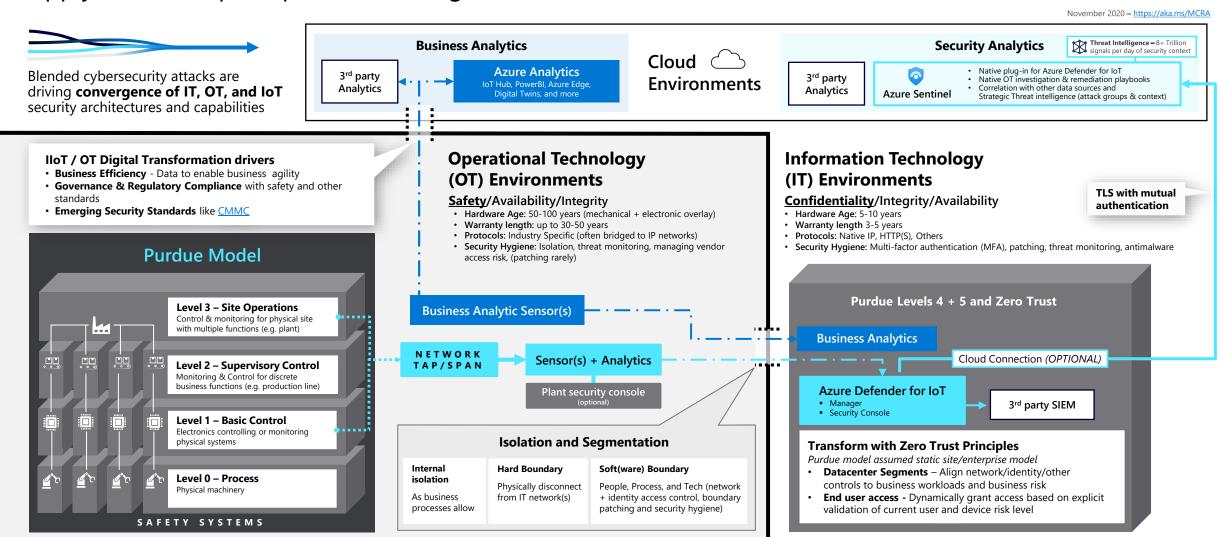


# Defender for IoT Zero Trust Background

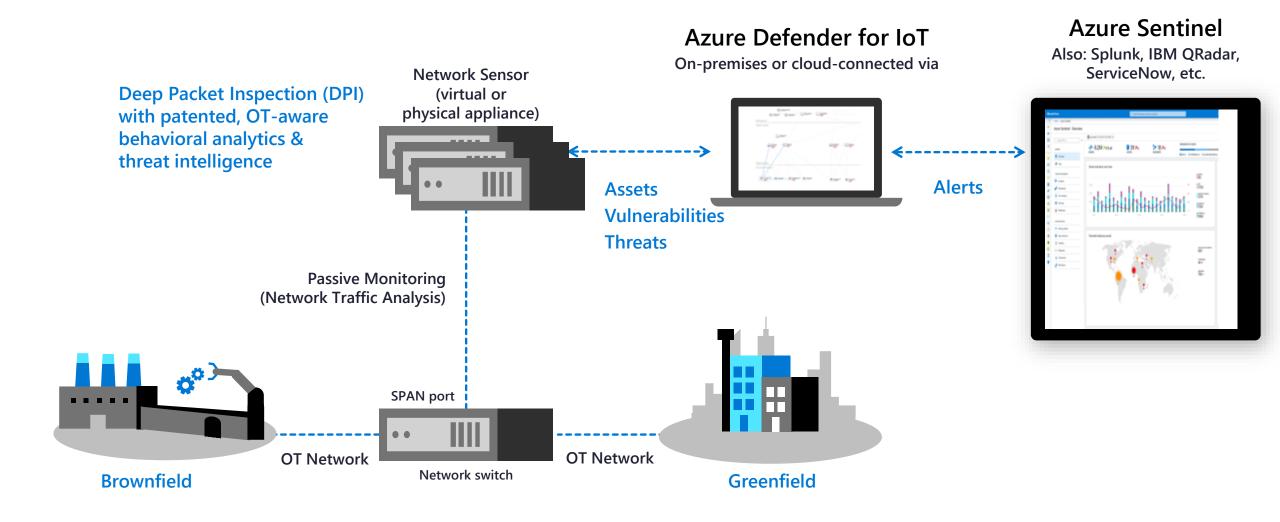


## Operational Technology (OT) Security Reference Architecture

Apply zero trust principles to securing OT and industrial IoT environments



## Fast and frictionless deployment with zero production impact



## Zero trust for IoT/OT — recommendations









Verify explicitly.

Implement least privileged access.

Assume compromise.

Apply basic hygiene.

Patch where possible.

Implement MFA.

Train employees.

Implement continuous monitoring.

Detect unauthorized & compromised devices with behavioral anomaly detection.

Implement microsegmentation using asset discovery & network mapping.

Unify IT & IoT/OT security monitoring and governance in your SOC.

Leverage MITRE ATT\*CK for ICS.

Automate incident response (SOAR).

### **Zero Trust for OT & IoT Environments**

#### Visibility

 Discover and classify assets with business critical, safety, and operational/physical impact

#### Protection

 Isolate assets from unneeded internet/production access with static and dynamic controls

#### Monitor

• Unify threat detection and response processes for OT, IT, and IoT assets

### **Zero Trust Scenarios**

