



Impresa Italiana e la Sfida Digitale

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Enterprise Digitization Leader



Impresa 4.0

dallara



1177
ELEVEN SEVENTYSEVEN



la marzocco
made in florence

inpeco
automation in healthcare



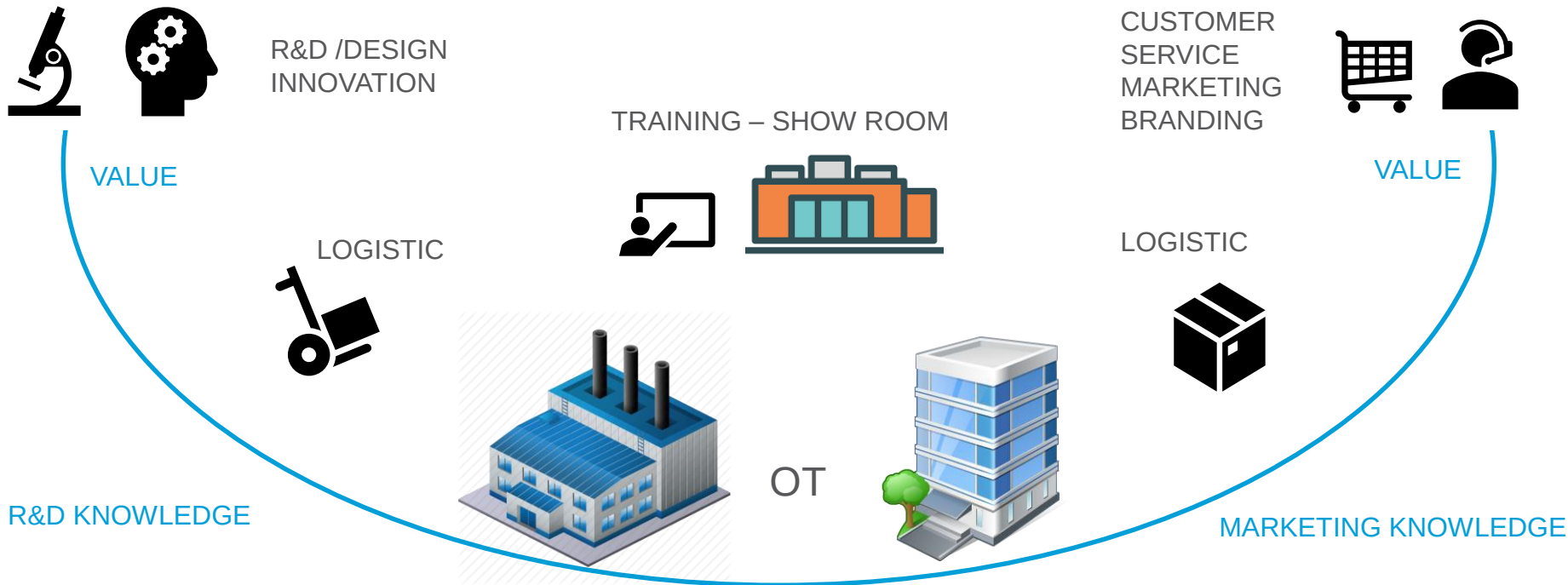
FCA
FIAT CHRYSLER AUTOMOBILES

MARCEGAGLIA

Pagliari
ESSENZA AUTENTICA

DEL BRENTA

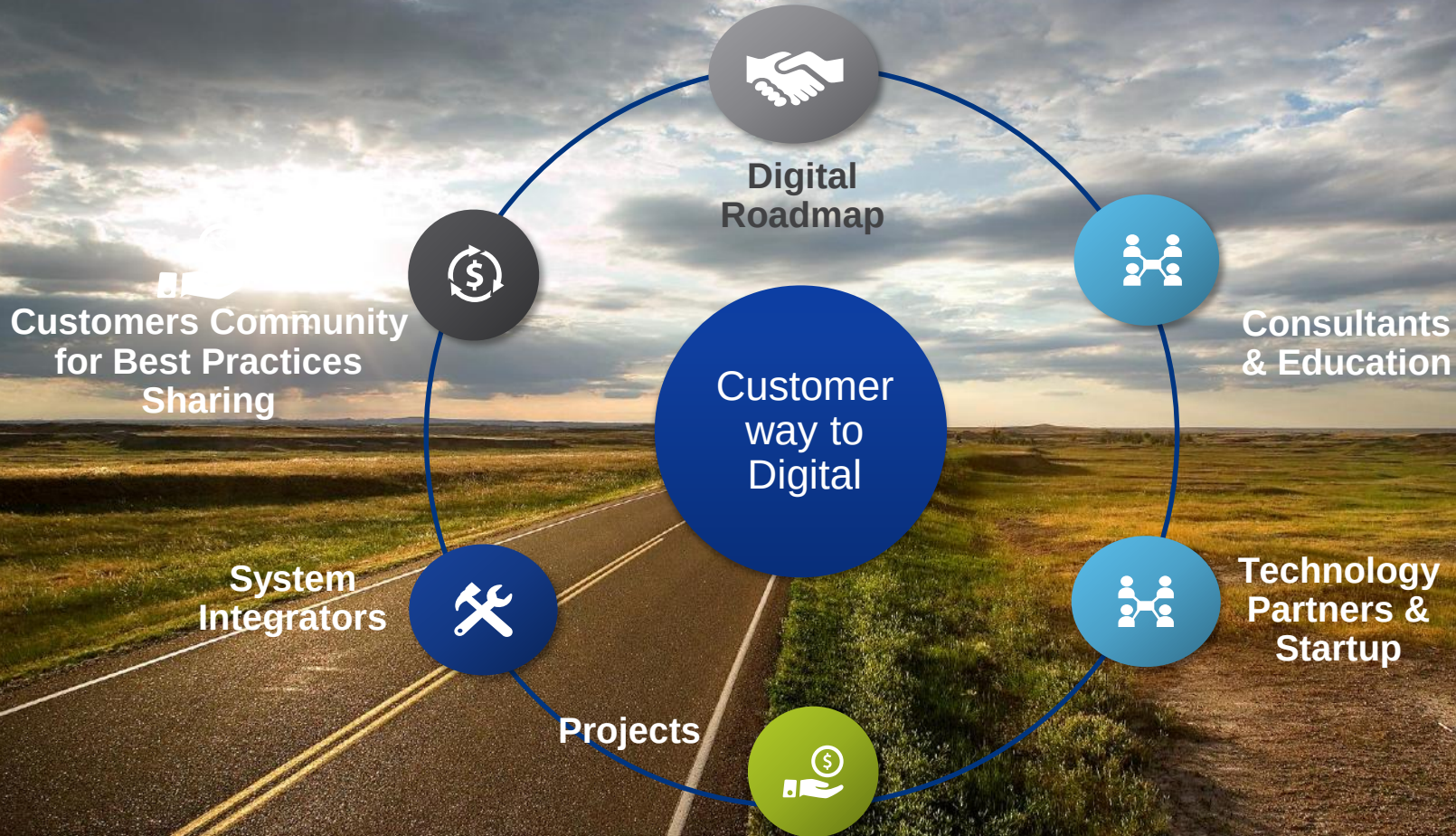




INFORMATION TECHNOLOGY – BUDGET \$



Cisco as Digitalization Partner



Operation Technology





La Fabbrica Ideale

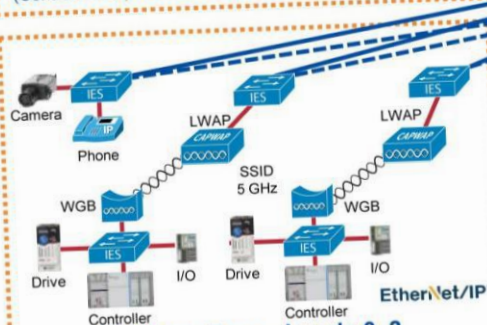
Cisco Validated Design for Manufacturing

- Call Manager

- Physical or Virtualized Servers
- Patch Management
 - AV Server
 - Application Mirror
 - Remote Desktop Gateway Server

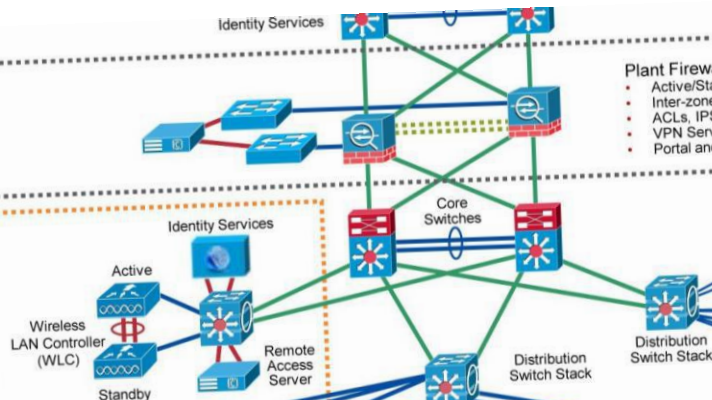
- Physical or Virtualized Servers
- FactoryTalk® Application Servers and Services Platform
 - Network & Security Services – DNS, AD, DHCP, Identity Services (AAA)
 - Storage Array

Level 3 - Site Operations (Control Room)



Cell/Area Zone - Levels 0–2
Redundant Star Topology - Flex Links Resiliency

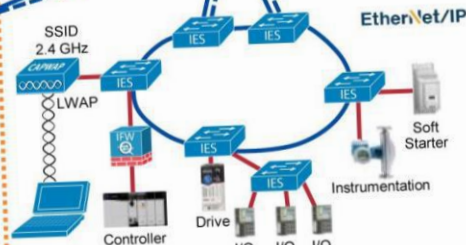
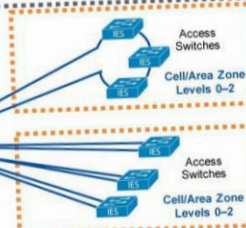
Identity Services



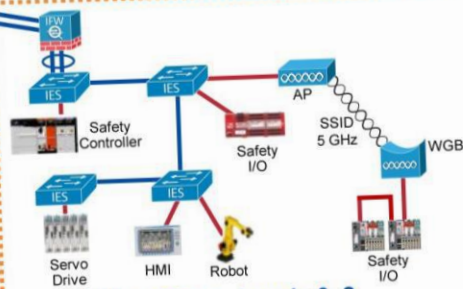
- Plant Firewalls
- Active/Standby
 - Inter-zone traffic segmentation
 - ACLs, IPS and IDS
 - VPN Services
 - Portal and Remote Desktop Services proxy

Levels 4–5 Industrial Demilitarized Zone (IDMZ)

Industrial Zone Levels 0–3 (Plant-wide Network)



Cell/Area Zone - Levels 0–2
Ring Topology



Cell/Area Zone - Levels 0–2
Linear/Bus/Star Topology

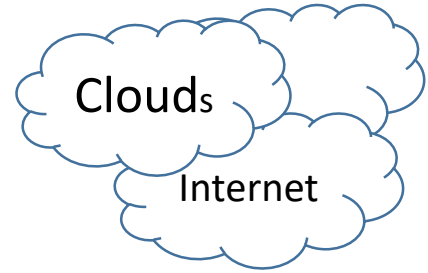
Enterprise Zone Level 4-5

Wide Area Network (WAN)
Data Center – Virtualized Servers



Enterprise
LAN

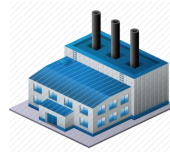
DMZ



Industrial Demilitarized Zone (IDMZ)

Plant
Firewalls

Industrial Zone – Plant Wide Network Levels 0-3



Level 3 – Site Operations
Control Room

Cell/Area Zone Level 0-2

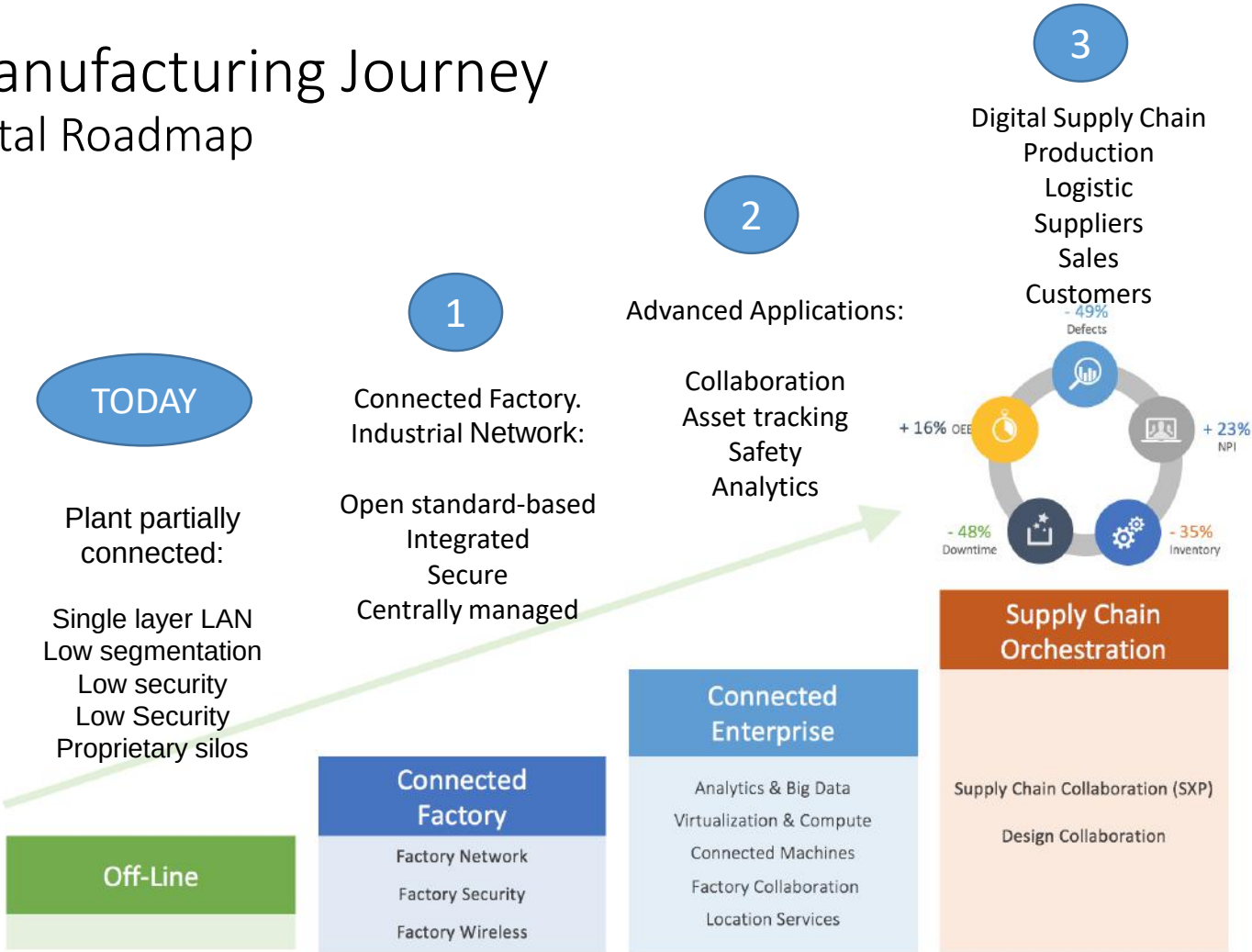
Cell/Area Zone Level 0-2

Cell/Area Zone Level 0-2

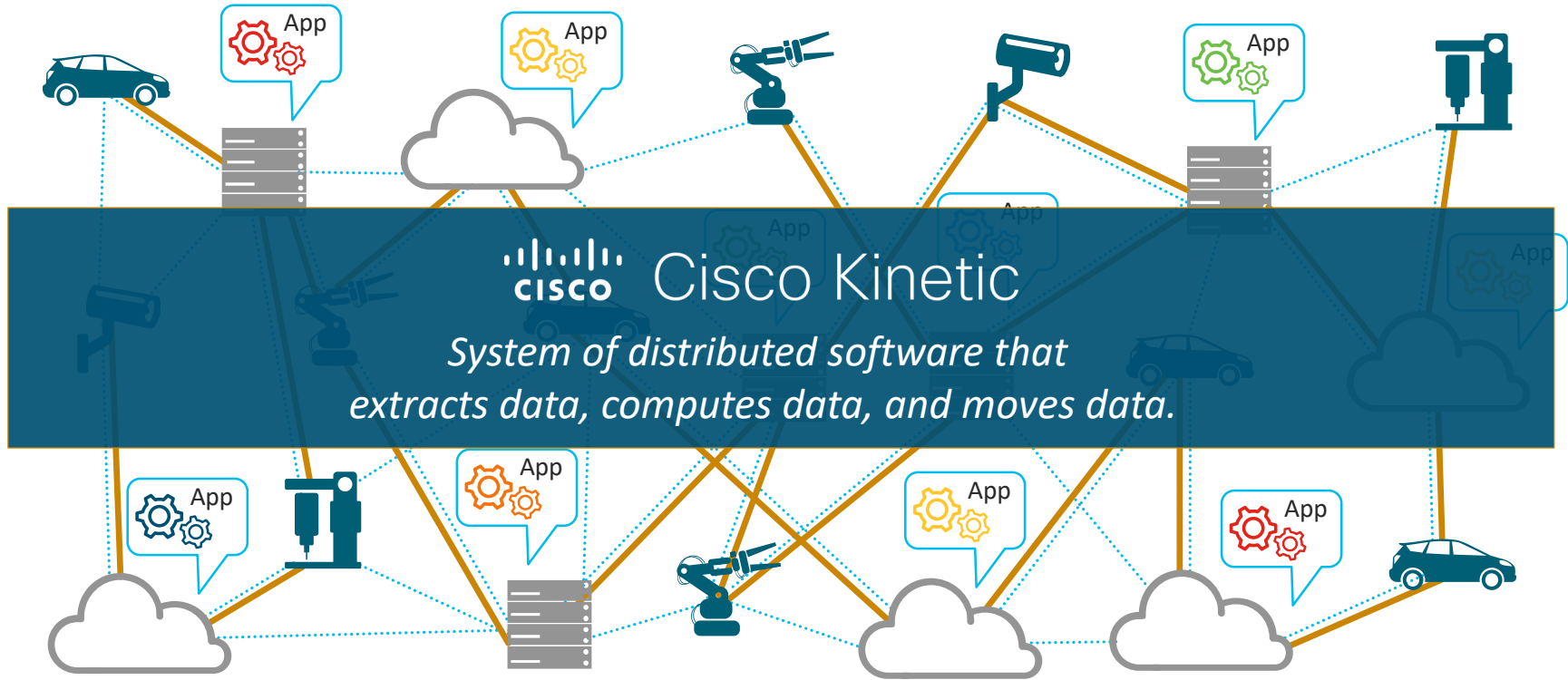


Digital Manufacturing Journey

Along a Digital Roadmap



An IoT data fabric is needed



Industrial Security





L'attacco hacker colpisce anche la Maschio Gaspardo



COME PUÒ RISPONDE UN'ASSICURAZIONE IN CASO DI FERMO DA PRODUZIONE PER CYBER ATTACK?

Il danno indiretto, business interruption, è in generale un rischio stranamente poco coperto dalle aziende Italiane. La polizza rimborsa la perdita economica dovuta all'azienda dall'interruzione delle attività dovuta da eventi imprevedibili. Il cyber è diventato rapidamente uno dei fattori di maggior rischio che possono comportare un fermo produttivo o distributivo.

Non si pensi solo alle grandi catene di montaggio. Il software che gestisce il magazzino impazzisce, i PC dell'amministrazione hanno preso un virus e non si possono fare le bolle di consegna, il macchinario o il robot in produzione sono stati infettati e vanno ricalibrati, sono diverse le conseguenze pratiche derivanti da un problema IT che possono ripercuotersi nell'impossibilità per l'azienda di produrre in tutto o in parte o anche solo di evadere gli ordini e le spedizioni.

La [polizza cyber risk](#) ha la possibilità di coprire oltre al rimborso dei costi di ripristino anche l'eventuale mancato guadagno derivante dall'impossibilità di gestire la produzione secondo gli standard.

SCOPRI DI PIÙ SULLA POLIZZA CYBER RISK

Colpiti i due stabilimenti di Cadoneghe e Campodarsego:
fermi 600 lavoratori. Idem al magazzino Tnt in zona
industriale

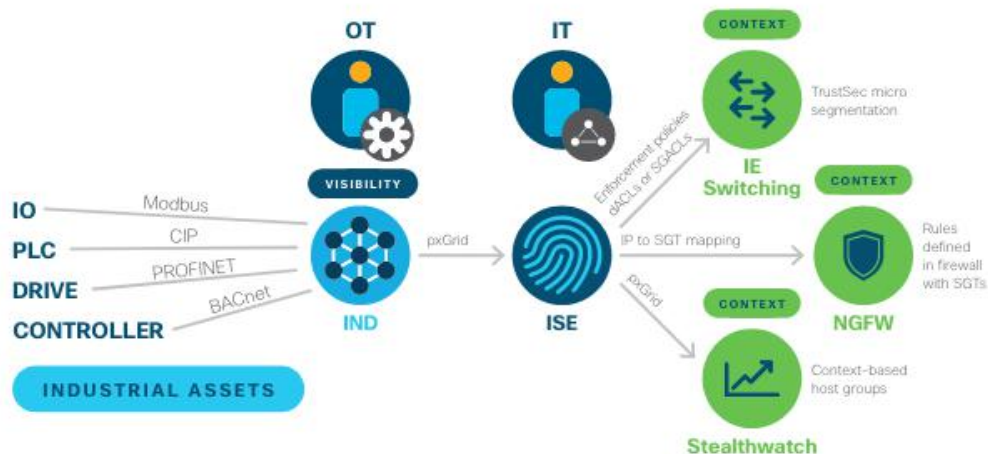
With Cisco manufacturing security solutions, IT stays in control.

But OT teams get what they need, too.

By combining Cisco Industrial Network Director (IND), Cisco Identity Services Engine (ISE), and Cisco Stealthwatch, Cisco delivers comprehensive security solutions that are built for the needs of both IT and OT teams.

These solutions do two critical things that help bridge the gap between IT and OT:

1. Deliver visibility into assets on the network and give the OT team a centralized view of network activity, so they have a better idea of both normal and abnormal activity.
2. Enable IT to pre-define security policies and dynamically assign them based on input and intent from the OT team.



Cisco Industrial Network Director (IND)

- Provides OT with a user-friendly network monitoring solution
- Allows OT staff to call down security policies by signaling the intent of what they're trying to do

Cisco Identity Services Engine (ISE)

- Enables full IT control of access to critical assets
- Empowers IT to create security policies that are dynamically applied to plant floor assets based on signaled OT needs

Cisco Stealthwatch

- Monitors and analyzes network traffic to assist in policy creation
- Helps speed threat detection and remediation

Industrial Collaboration



Research & Development

New Products Introduction





New Collaboration Services



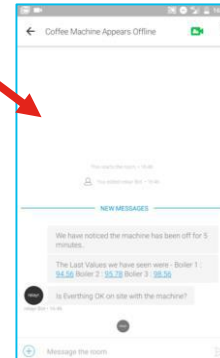
Smart Glasses and
Helmets



Telepresence:
Remote Support



Webex Board: Connected R&D



Webex
Human-Machine
Interaction with bots

Factory Security



Connected Factory



People Collaboration



IoT Data Platform & Edge Computing

Smart Logistic & Physical Security

Connected Machines & Servitization



“Cisco coniuga l’Industria 4.0 al nostro modo di essere artigiani”

Roberto Bianchi, COO, La Marzocco

“Cisco combines 4.0 industry with the way we are artisan”

www.impresa40.com

IMPRESA4.0



In collaborazione con



Industrial Collaboration Connected Factory & Machine Connected Products & Servitization Smart Logistic & Physical Security Fac



CASE HISTORY

IMPRESA 4.0, CISCO-LA MARZOCCO: COSÌ L'ARTIGIANATO MADE IN ITALY DIVENTA...

La digital transformation può rivoluzionare
l'attività delle piccole e medie imprese. Ilaria
Sanvito, country digitization acceleration &...

20 GIUGNO 2018

IMPRESA4.0

**COME SI FA
IMPRESA 4.0?**
LE CASE HISTORY CISCO

Scopri



@midalm