

Da Industria 4.0 a Impresa 4.0: Un modello per l'azienda italiana

Marco Bubani - Innovation Director

Matteo Masi - Sales Specialist Industry Digitization



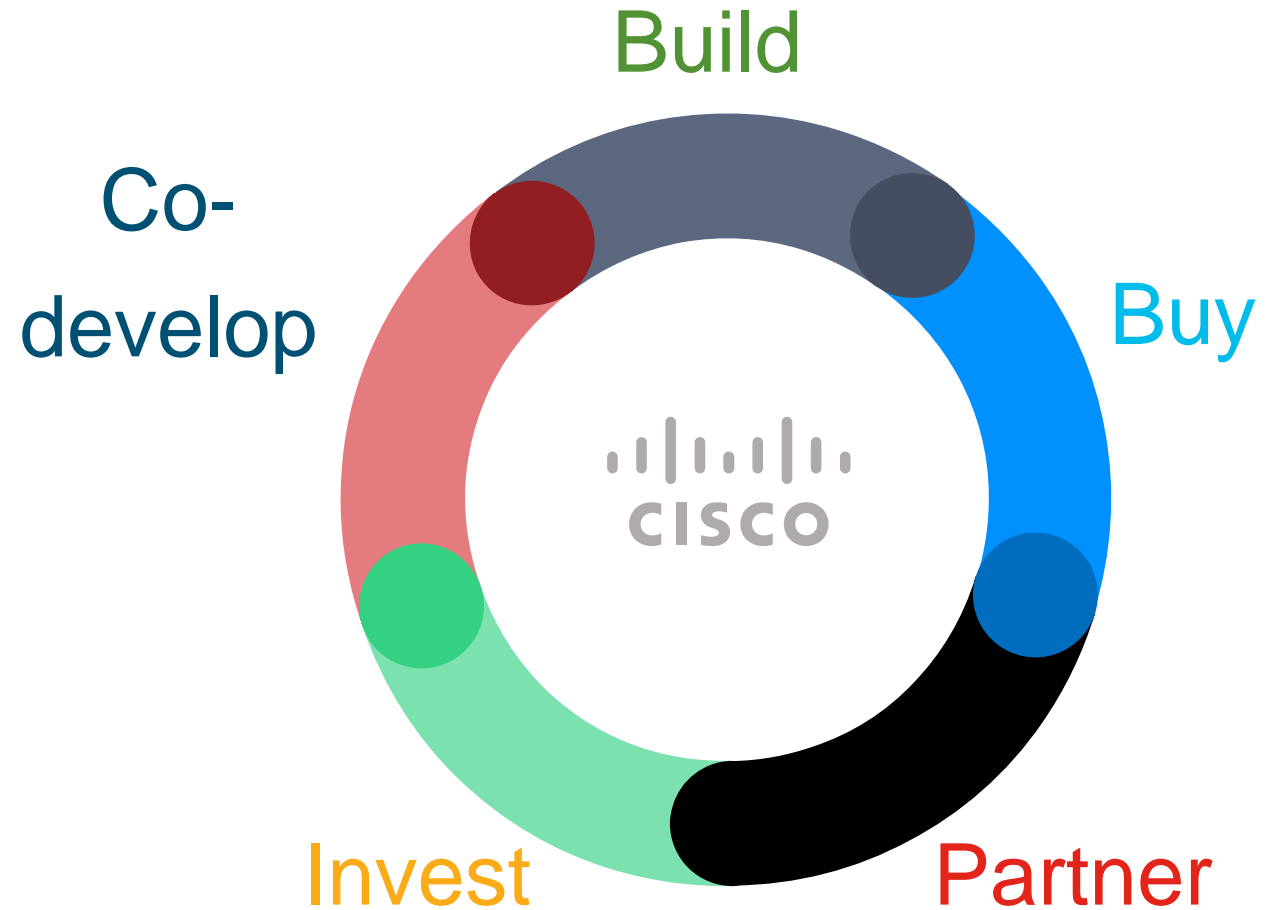
About Cisco innovation model

19K
Patents

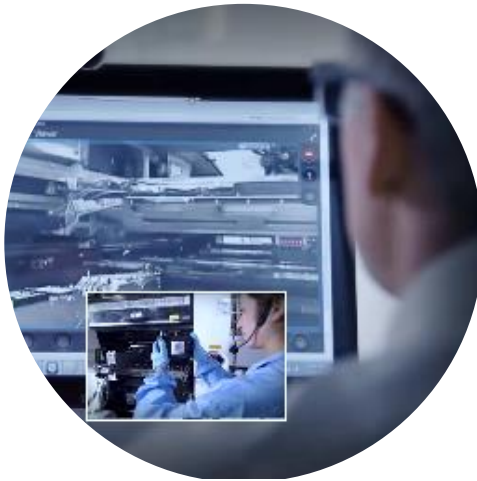
26K+
Engineers

\$6B
Annual R&D
Spend

Internal
Start-ups



Where manufacturers are focused today



Global, collaborative
product development



Protect and enhance
brand value

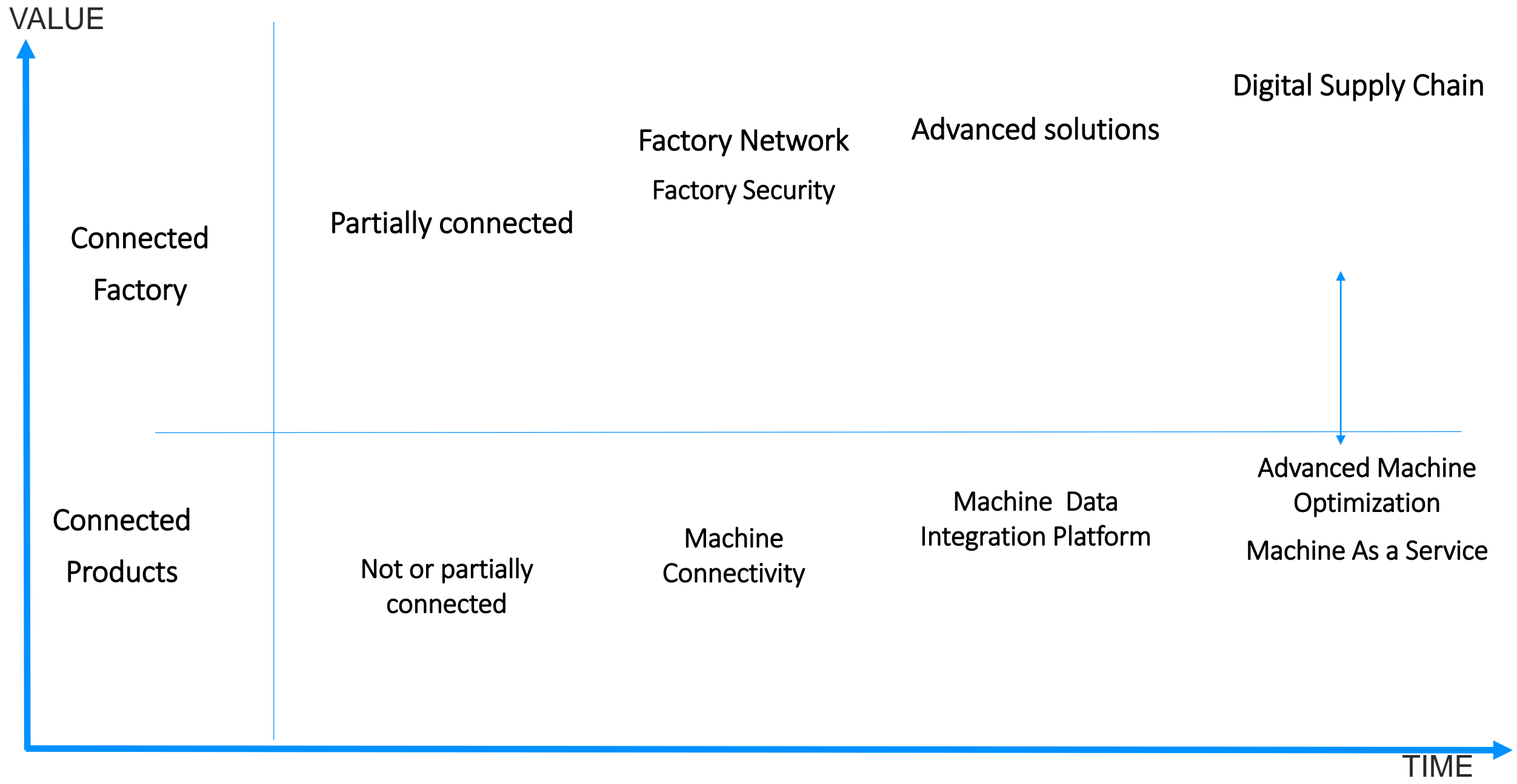


Drive operational
excellence
and productivity

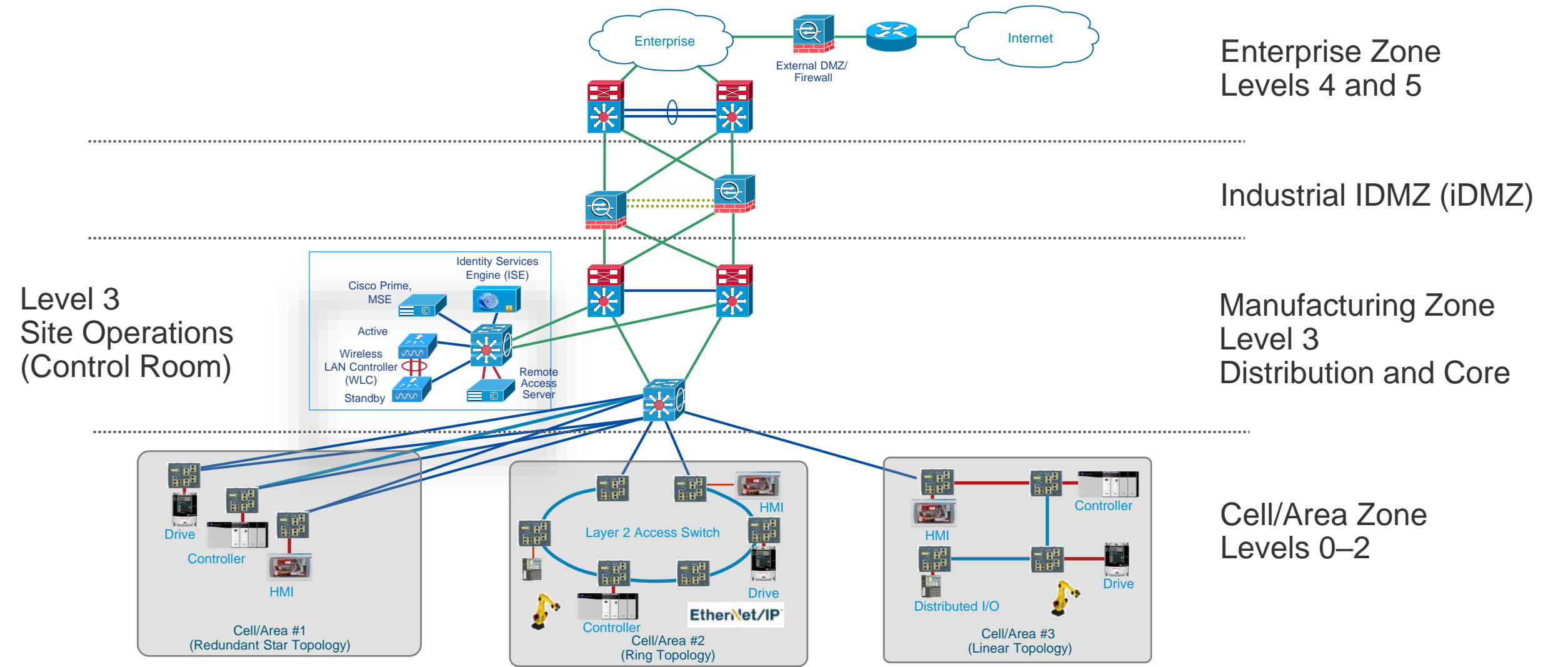


Innovate to accelerate
new products
and services

Customer's Digital Manufacturing Roadmap

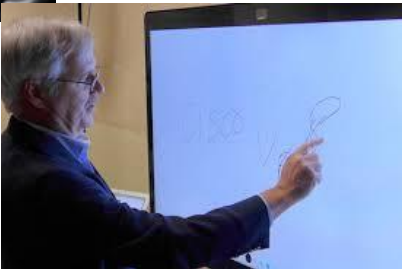


Factory Network & Factory Security



Industry Collaboration

Operator can stream video for remote support

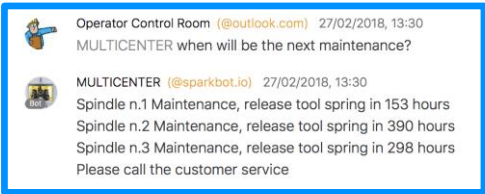


R&D can whiteboard instructions

Same Webex Board for stand-up meeting, feed by robot/plc and remotely accessible

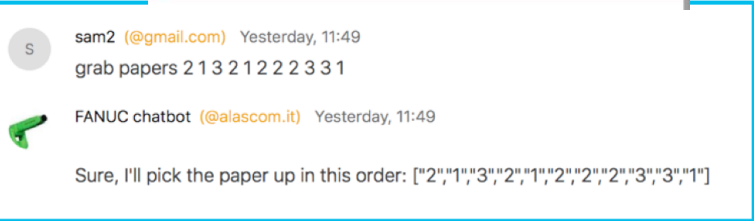
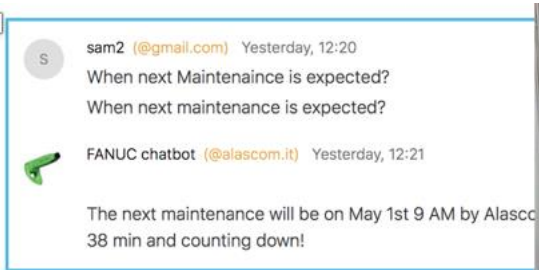


Robot or PLC are part of a Webex Team

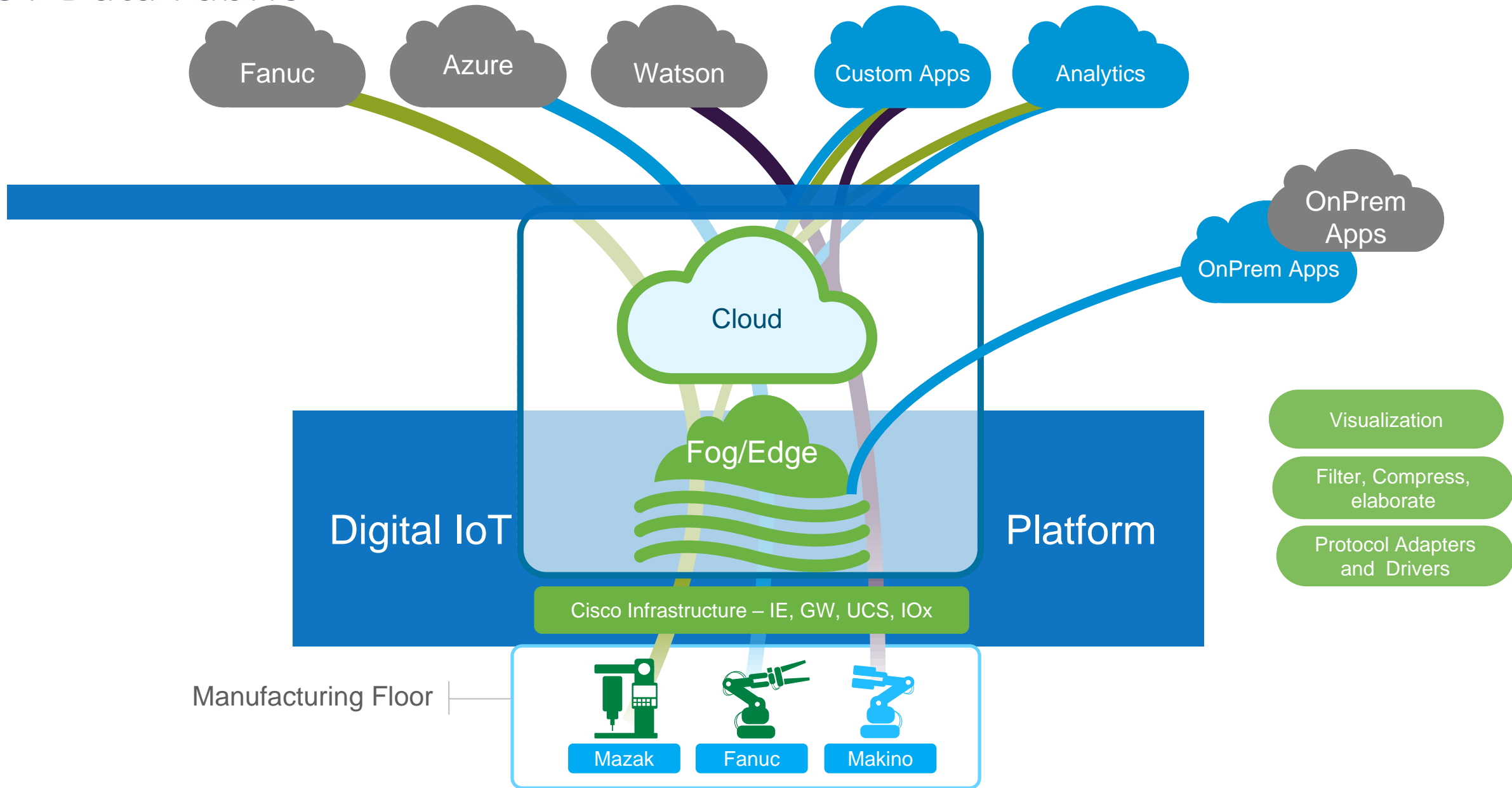


FANUC chatbot (@alascom.it) Yesterday, 15:56
You are heavily hitting me with a force of 202 Newton. Will Stop my operation to avoid t
you in danger
You are hitting me with a force of 129 Newton
You are hitting me with a force of 195 Newton
You are hitting me with a force of 106 Newton

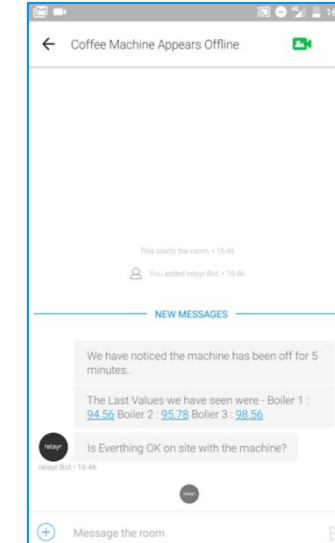
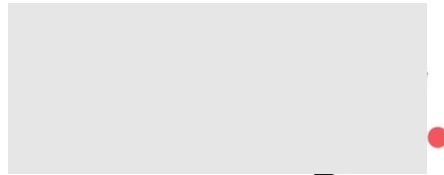
Operator can interact with robot/plc using near-language



IoT Data Fabric



Coffee Experience as a Service



Coffee as-a-Service

Sensors in the machine connected to the private/public cloud

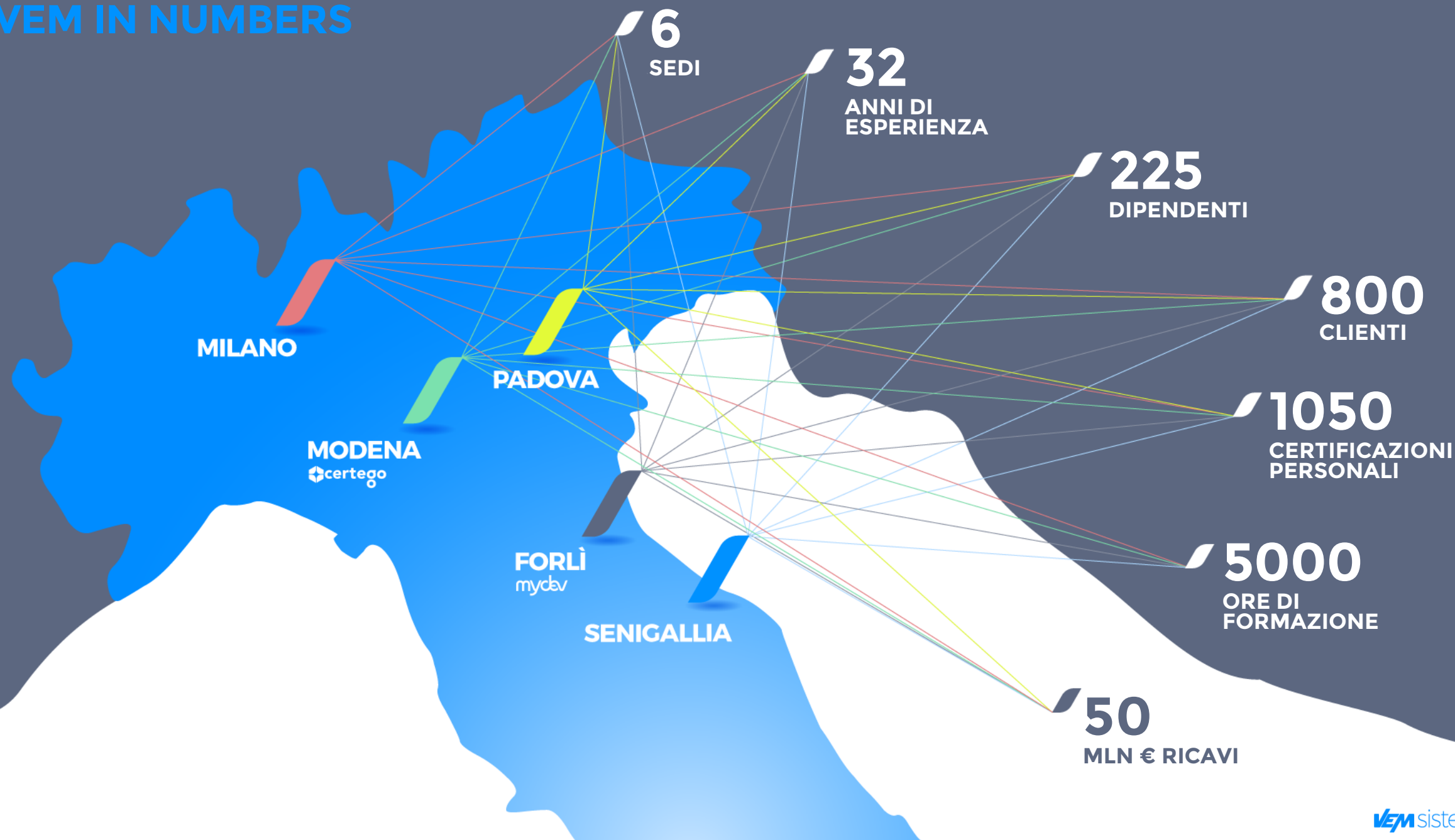
Unusual behavior automatically initiates a spark room with maintenance engineer and customer resulting in zero

MARCO BUBANI
Direttore Innovazione

VEM sistemi



VEM IN NUMBERS





DIGITAL BUILDING



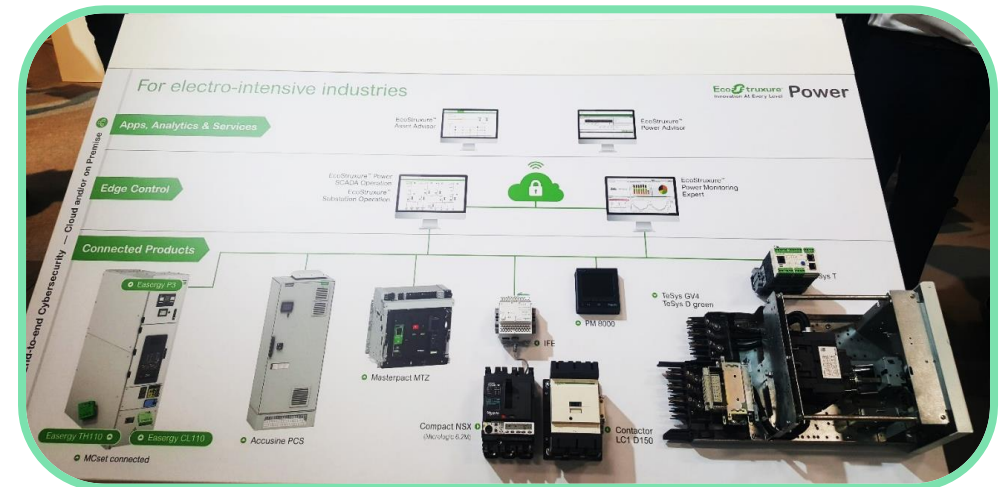
DIGITAL PLANT



DIGITAL MACHINE



DIGITAL POWER



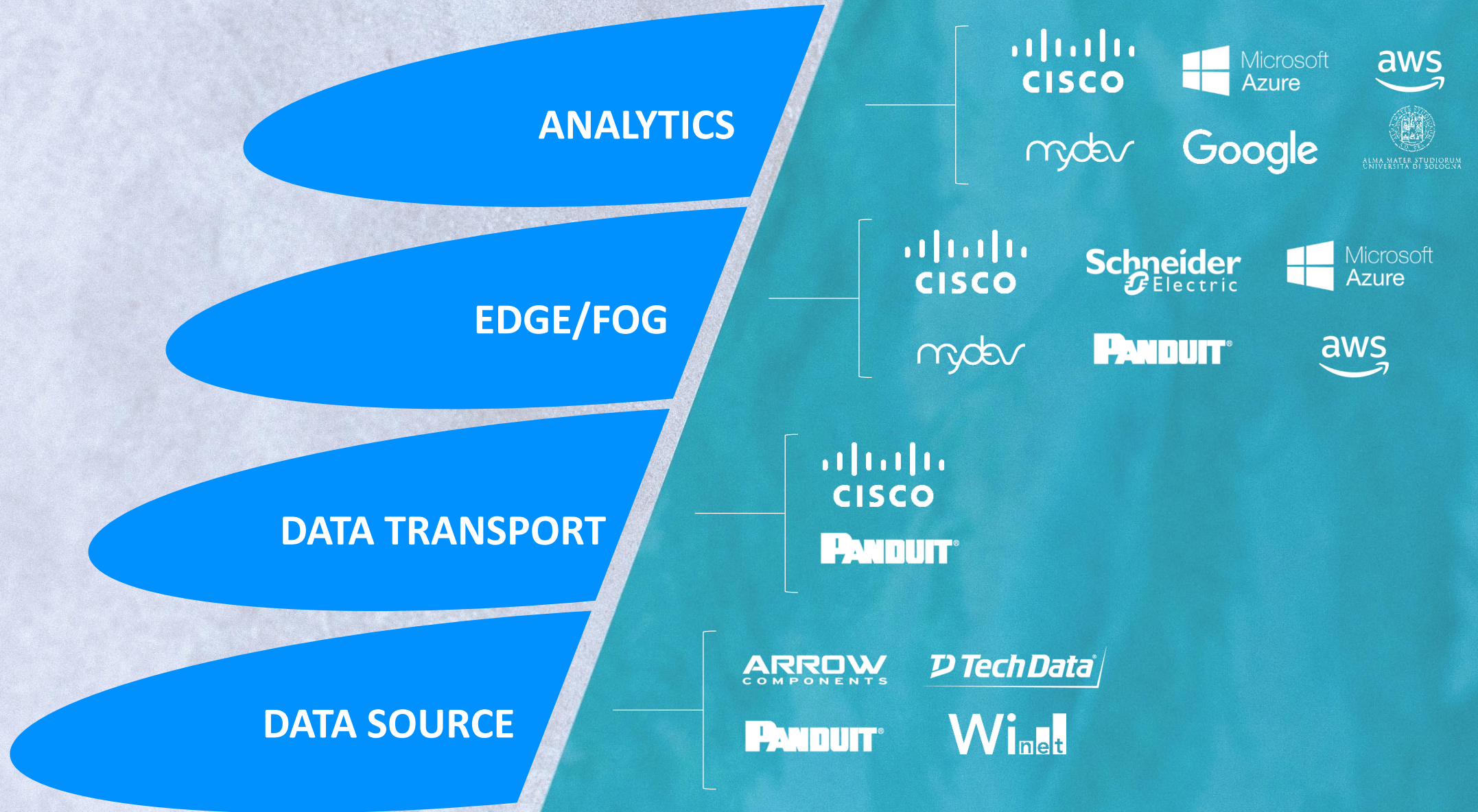
PROCESS

TECHNOLOGY

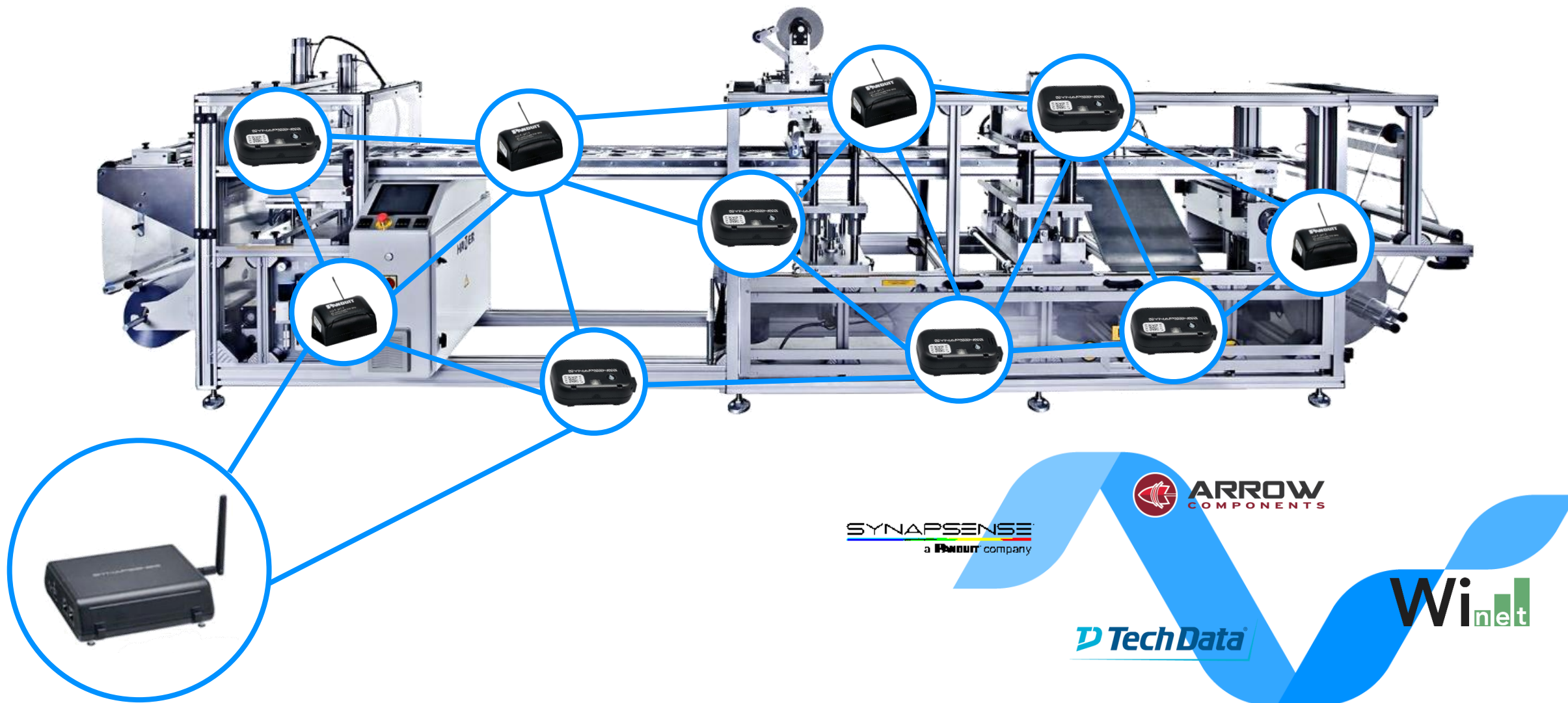
PEOPLE

DIGITAL





DATA SOURCE



SYNAPSENSE
a **Panasonic** company

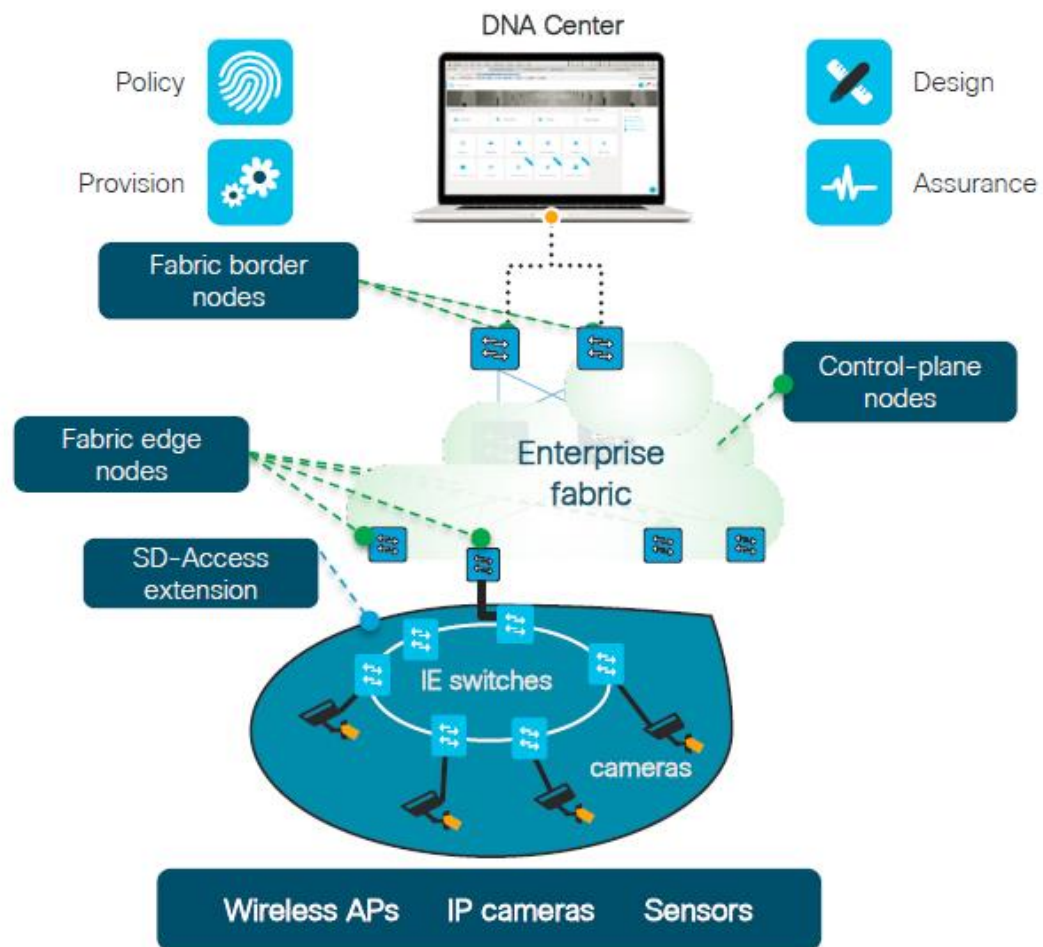
ARROW
COMPONENTS

TechData

Winet

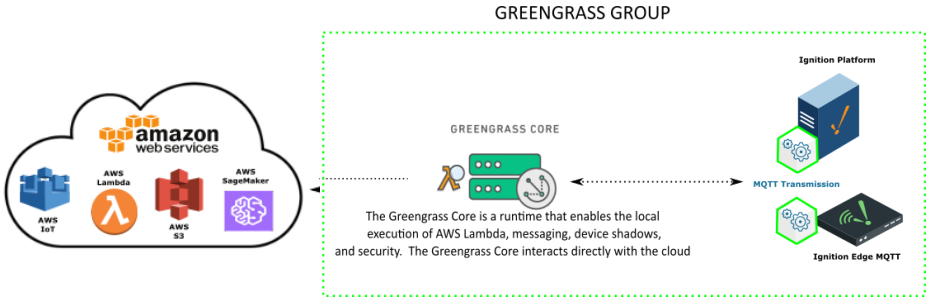
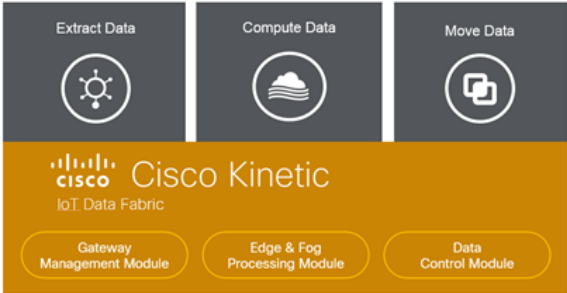
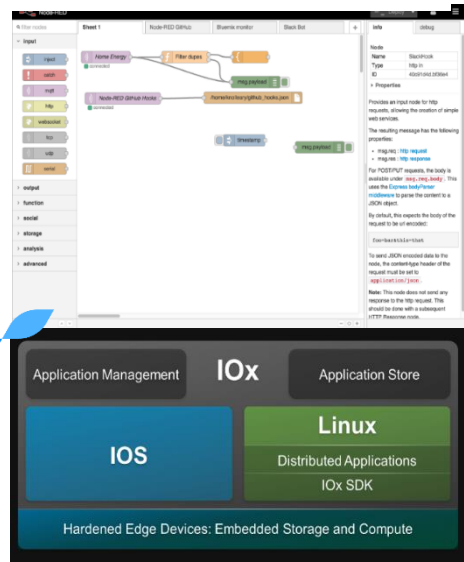
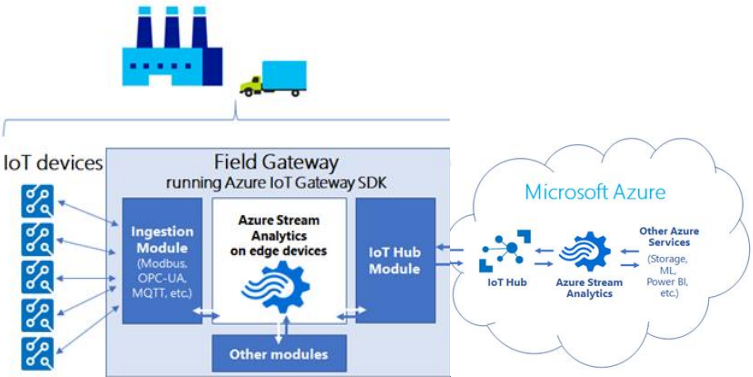
VEM sistemi

DATA TRANSPORT



CISCO **PANDUIT**

EDGE/FOG COMPUTING



ANALYTICS



Google

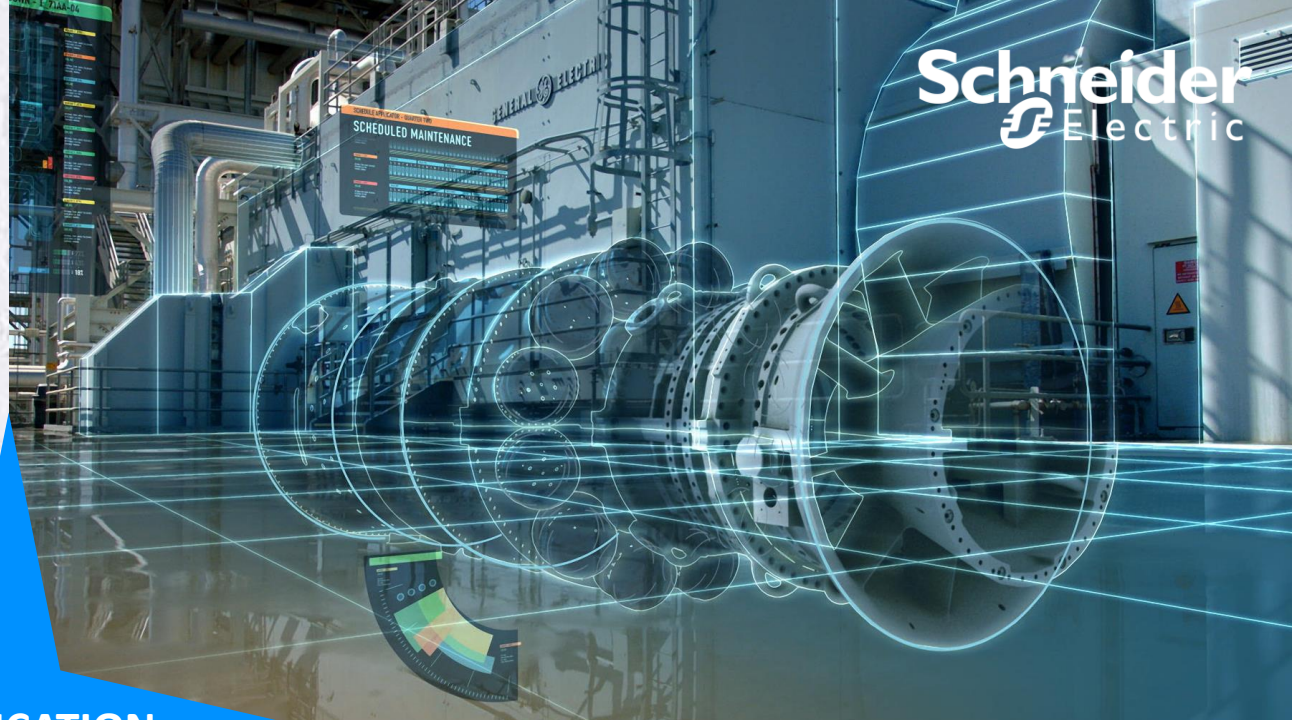
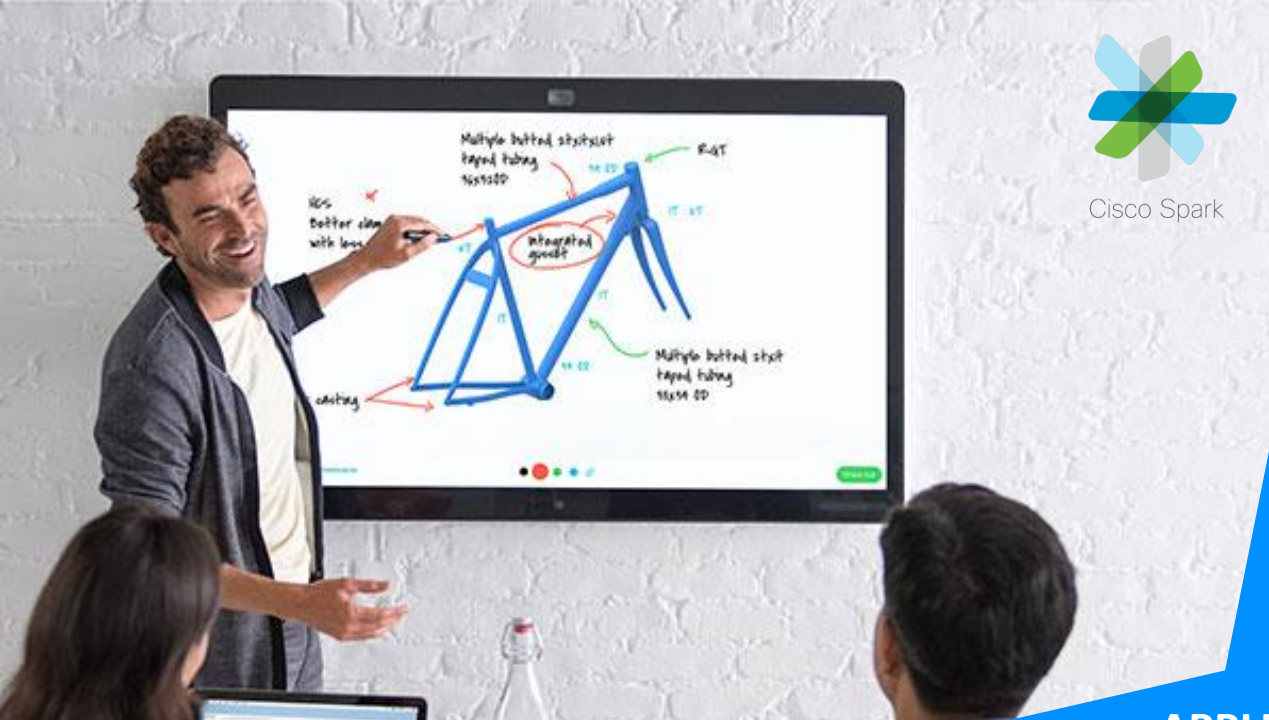


mydev



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA





APPLICATION





BUSINESS CASE



PROCESS: APPROCCIO



WORKSHOP

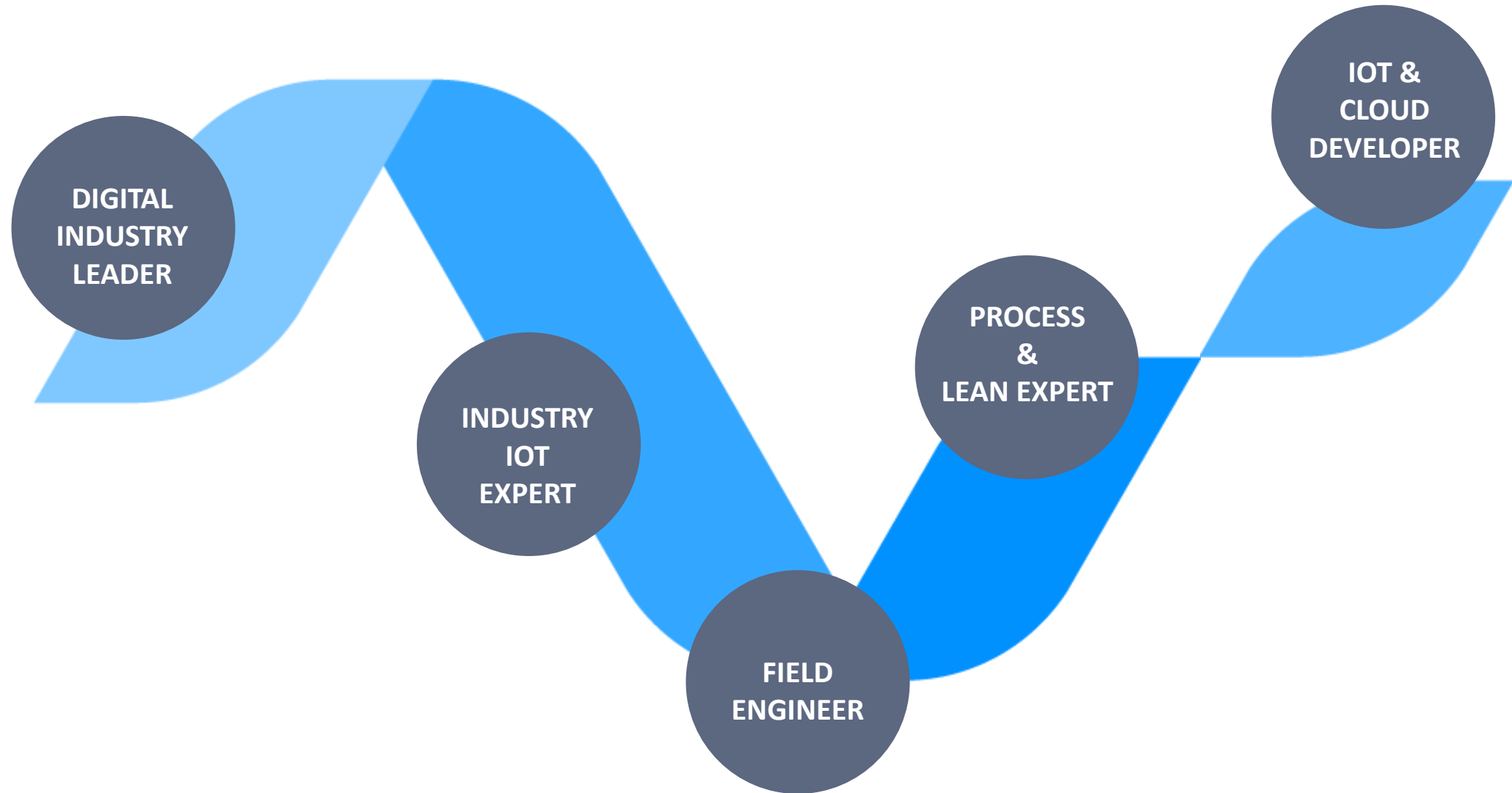


PILOT



ROLLOUT

PEOPLE





relayr. Glass^{UP}

cbeSharp.



CLIENTI



cisco

NetAppTM

AVOW

PANDUIT[®]

ACCELERATORI

GELLIFY

ENTLE
ASSOCIAZIONI

CONFINDUSTRIA

#InvestInHumans

