



Smart Data & Asset Management

IIoT e Service Oriented Devices rinnovano
l'interazione Uomo-Macchina nella Connected
Company

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Life Is On



Smart Data & Mobility, Asset Management, Energy Efficiency sono realtà concrete che assumono maggiore attenzione nella quotidianità dell'ambiente industriale.

Per soddisfare le nuove richieste del mercato occorre sviluppare dispositivi Service Oriented ed interfacce intelligenti, nell'ottica di monitorare e gestire la manutenzione predittiva del processo produttivo.

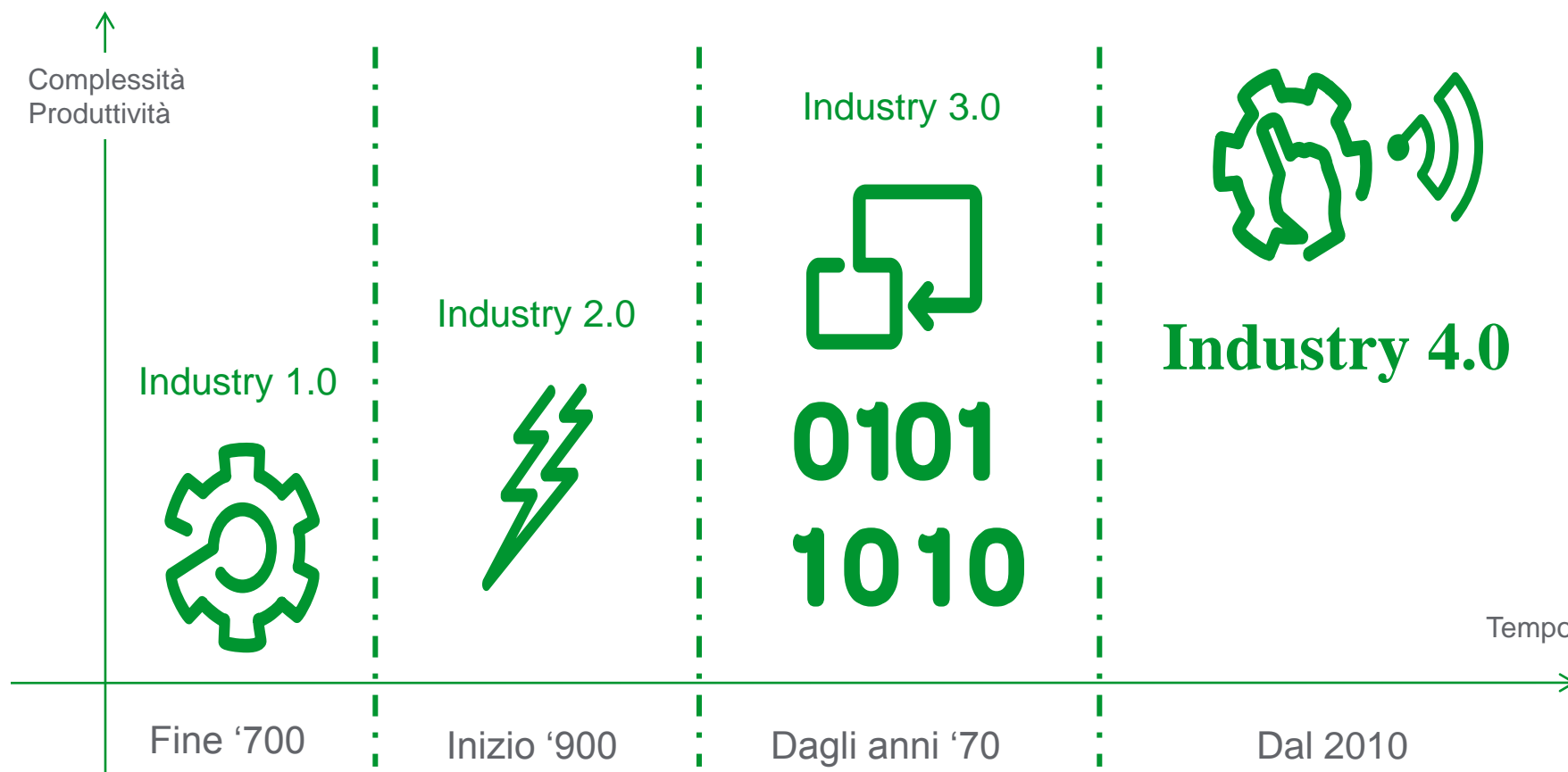
Per garantire l'evoluzione della Connected Company, è fondamentale l'abbattimento dei muri tra Operation Technology e Information Technology.

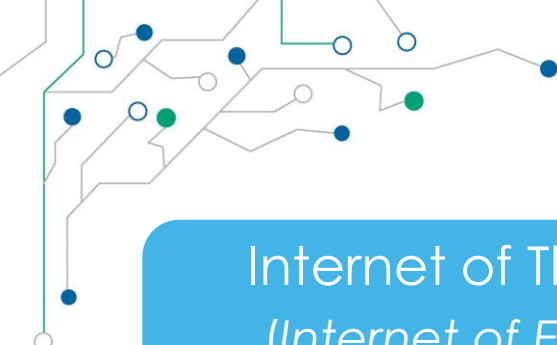
Smart Data & Mobility, Asset Management, Energy Efficiency are concrete realities that acquire more attention in everyday industrial environment.

To meet the new requests of the market, Service Oriented Devices and Intelligent Interfaces need to be developed, in order to monitor and manage the predictive maintenance of the production process.

To ensure the evolution of the Connected Company, it's essential the demolition of the walls between Operation Technology and Information Technology.

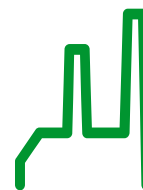
Le 4 rivoluzioni industriali





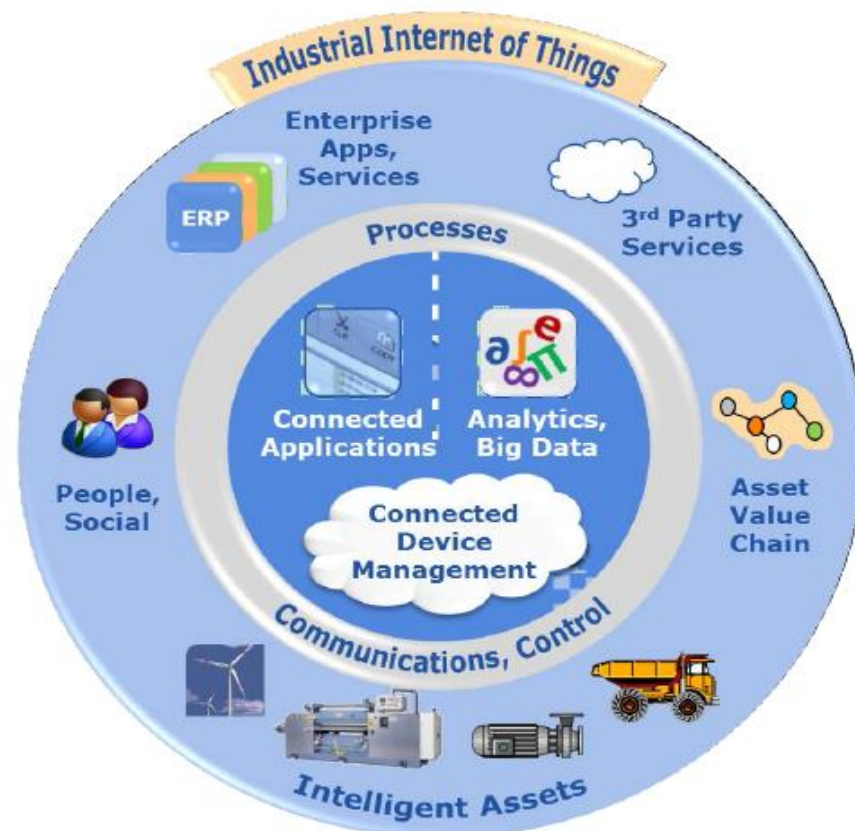
Internet of Things - IoT (Internet of Everything)

by Cisco)

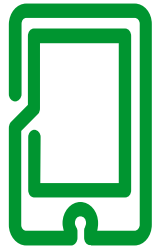


Industrial Internet of Things – IIoT (Industry 4.0)

by German Government)



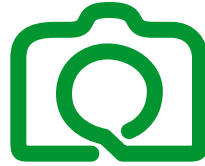
Internet of Things



E-book reader



Elettrodomestici



Elettronica di
consumo



Veicoli



Video-sorveglianza



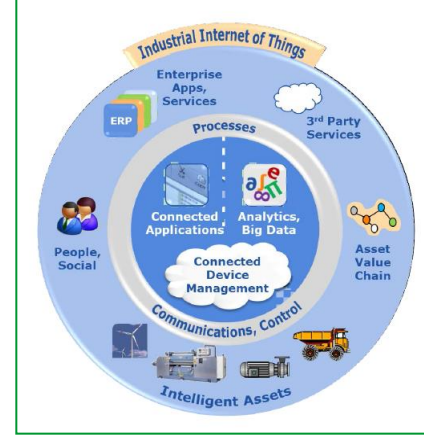
Big Data

Infotainment

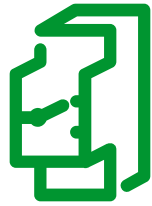
Sicurezza

Condivisione

Industrial Internet of Things



Misuratori di
energia



Interruttori



Smart equipment



Service Oriented
Devices



Smart Data

Asset Management

Trasparenza

Efficienza

Service Oriented Devices

Smart Data

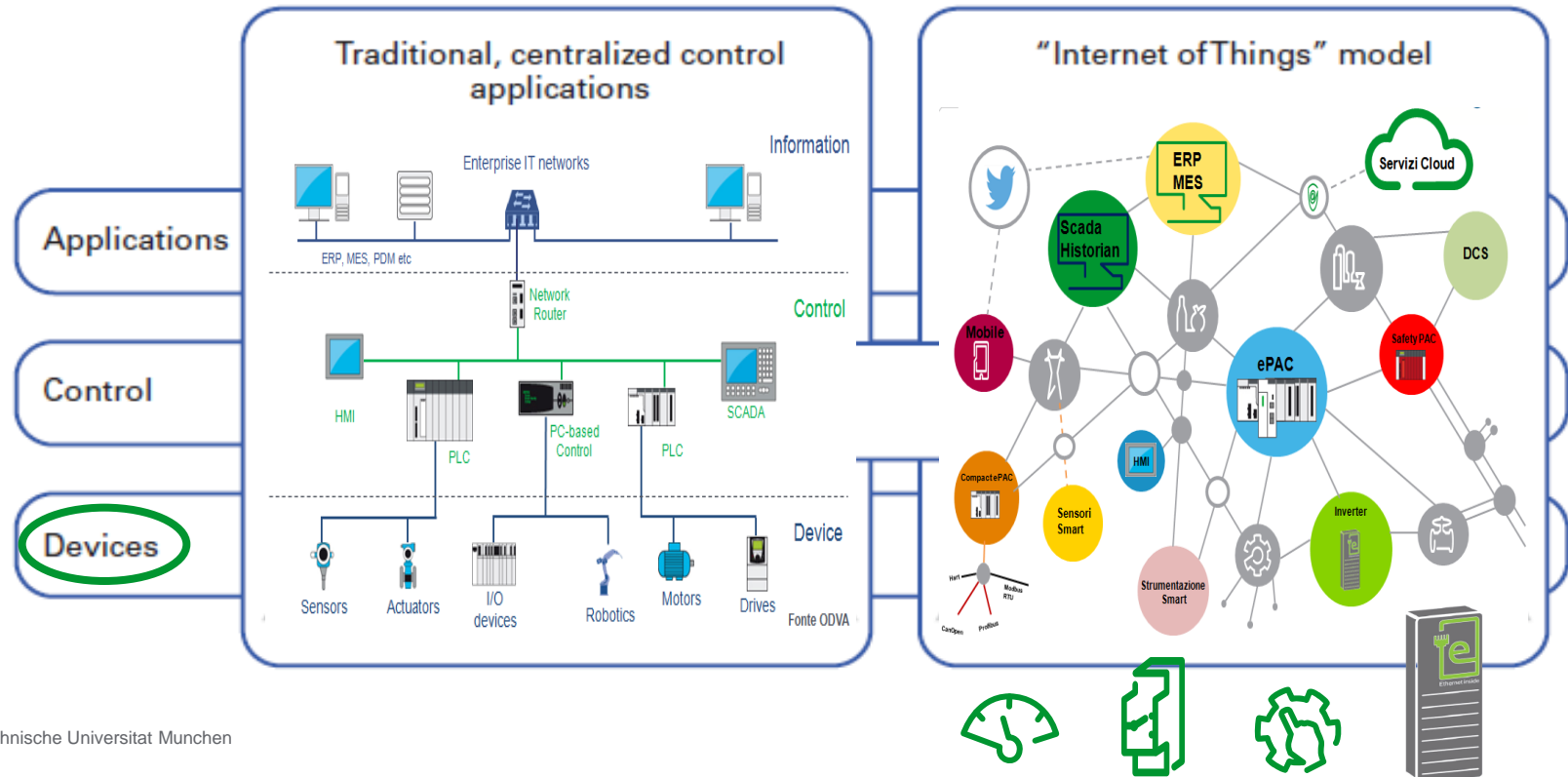
- > Storicizzazione dati dispositivi, motore, applicazione e processo
- > Eventi real time
- > Allarmi
- > Derive di consumo
- > Monitoraggio continuo



Service Oriented Devices

Trasparenza

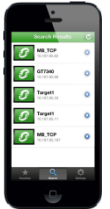
Architetture aperte per favorire lo
scambio di informazioni a qualsiasi
livello aziendale



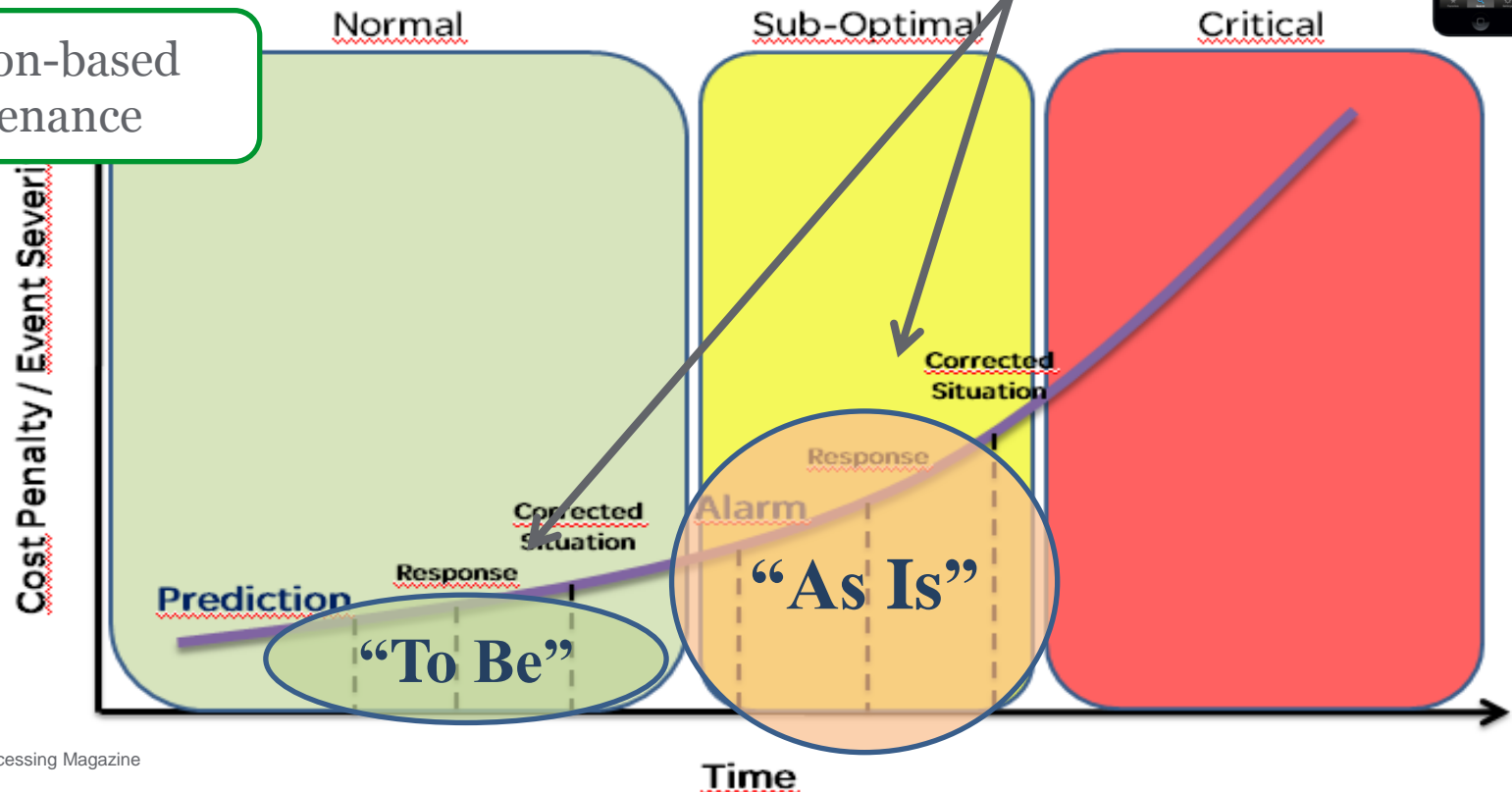
Service Oriented Devices

Asset
Management

Dall'allarme alla
manutenzione predittiva

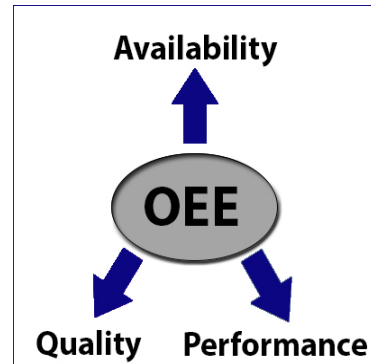
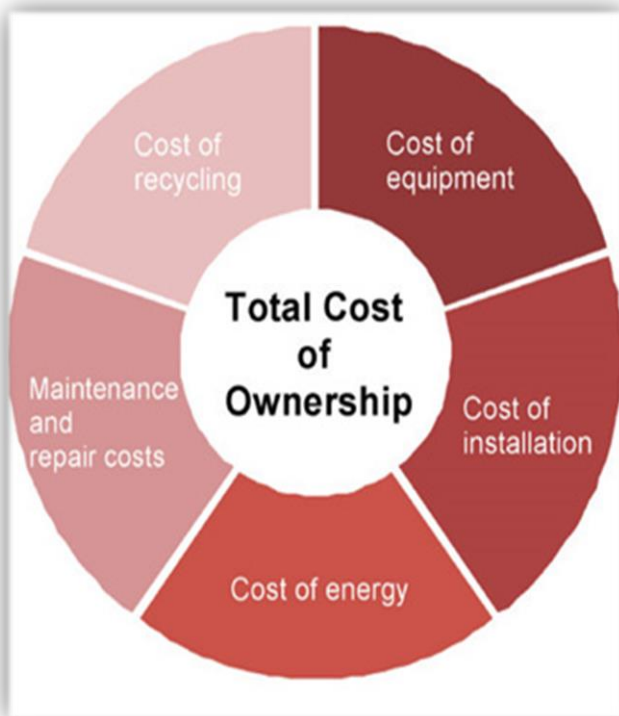


Condition-based
maintenance

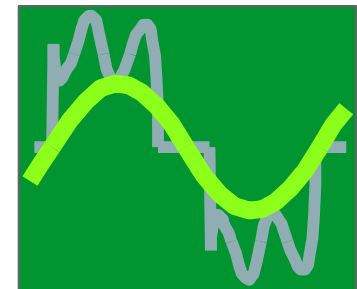


Service Oriented Devices

Efficienza

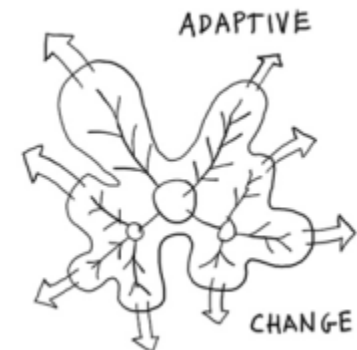
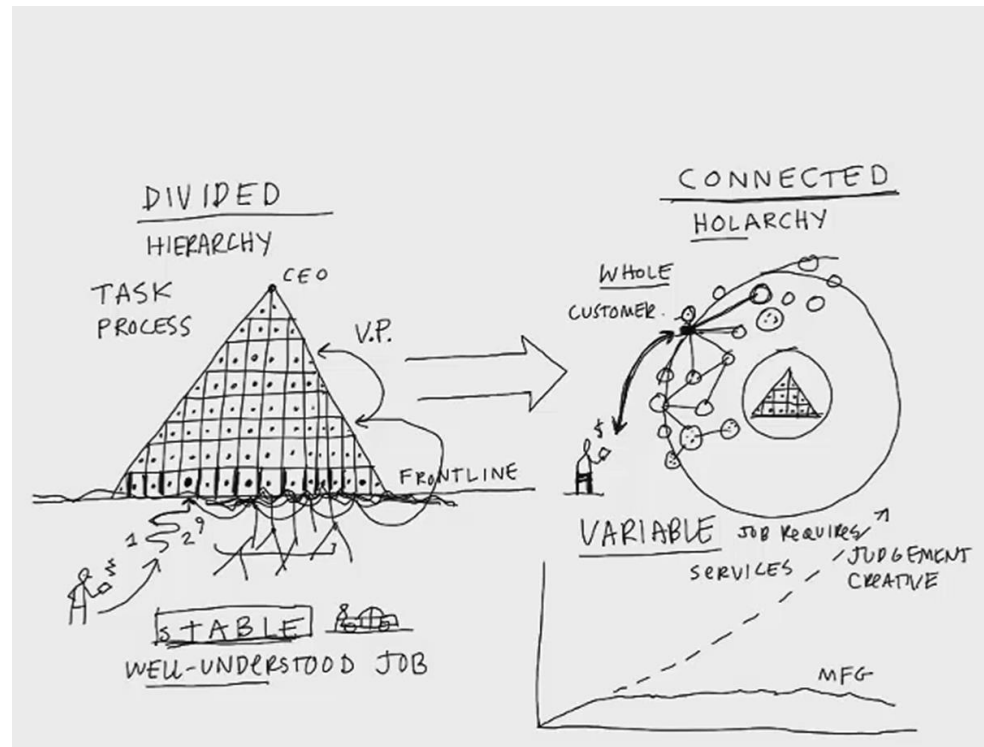
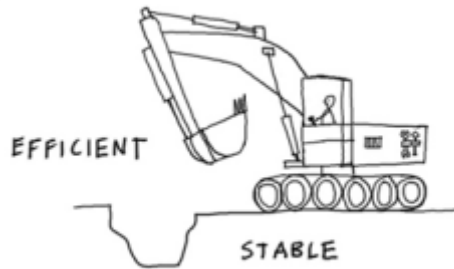


Overall
Equipment
Effectiveness



Power
Quality

Il concetto di Connected Company



IT e OT offrono nuove prospettive di valorizzazione nell'Industria



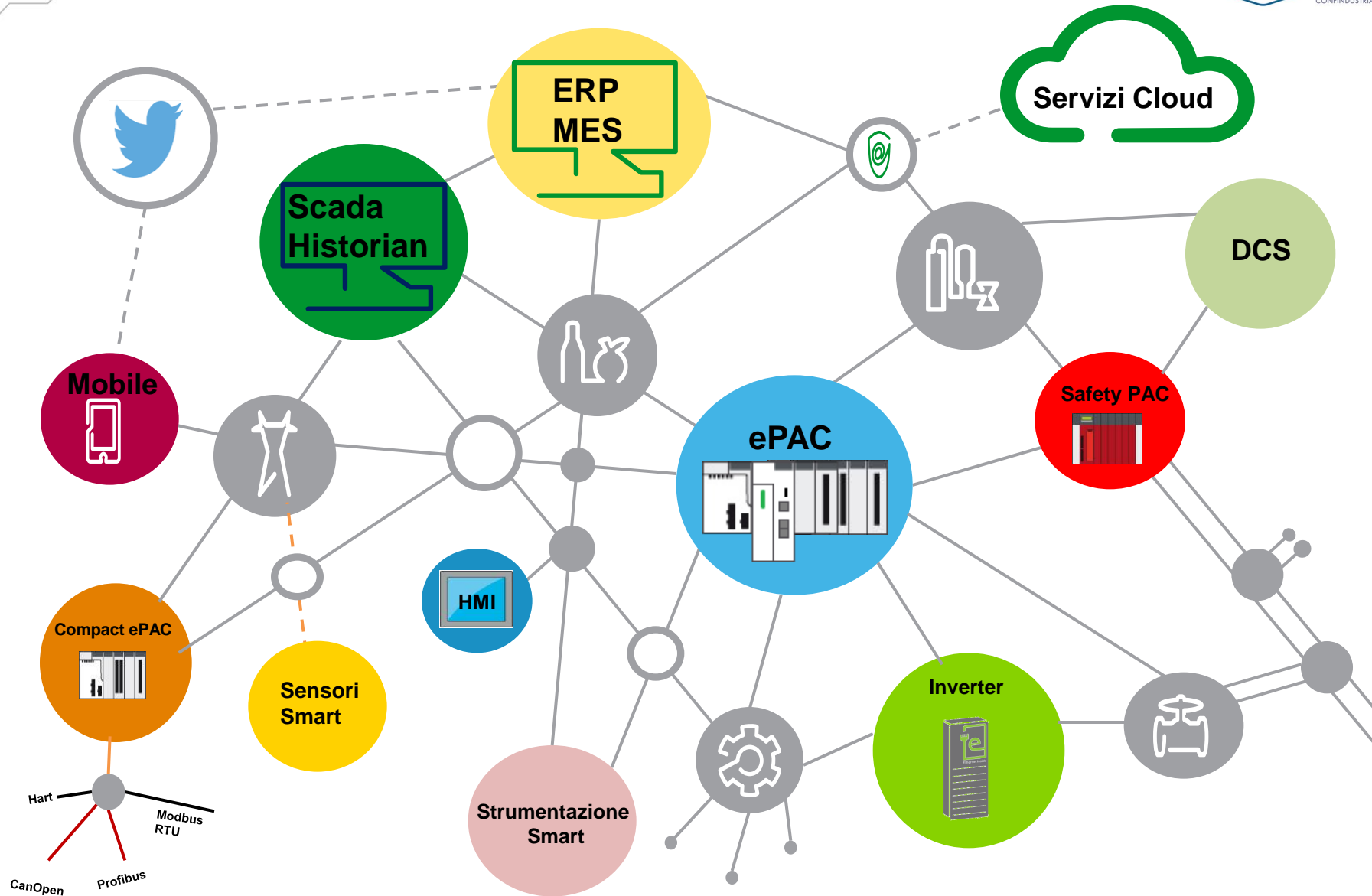
Information
Technology



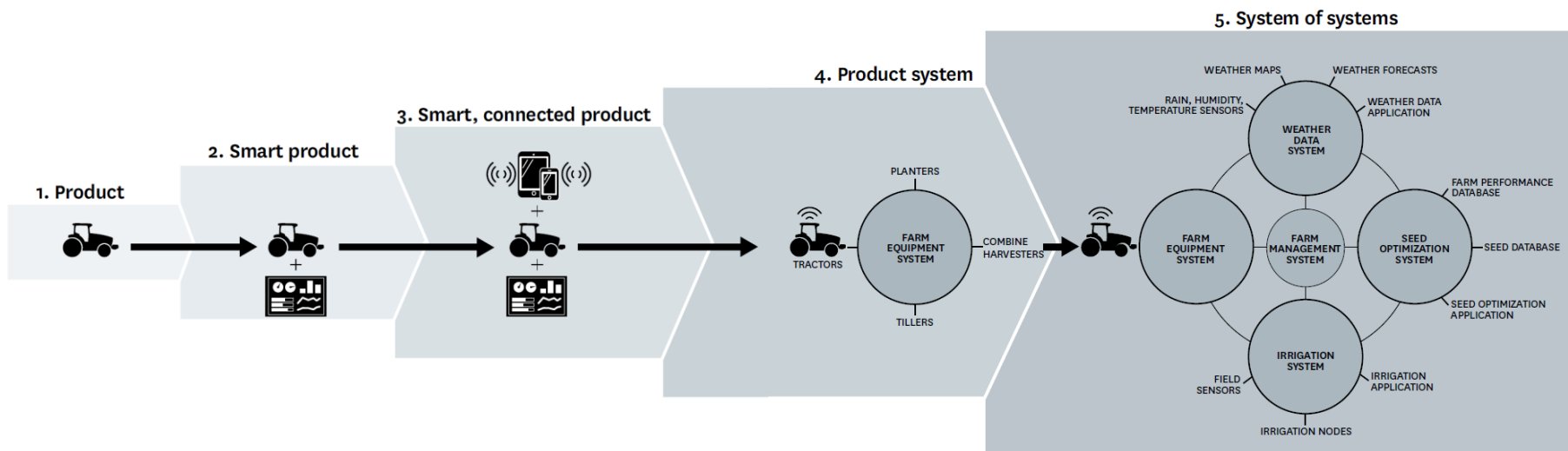
IIoT



Operations
Technology



L'evoluzione Industriale



Ricordate quando esistevano ...



Adesso basta uno smartphone !



Come cambia l'interazione tra Uomo & Macchina ?

TODAY TARGET			55	T.T.		8:36
PRESENT TARGET			14	DOWN TIME		11
PRESENT ACTUAL			13	ORA		15:15
P01	P02	P03	P04	P05	P06	
P07	P08	P09	P10	P11	P12	
P13	P14	P15	S01	S02	S03	
S04	S05	S06	S07	S08	S09	
S10	S11	S12	S13	S14	S15	



Database & Visualization

Wireless &
Batteryless
Pushbuttons



Wireless
Access Point for Push
Buttons



ePAC



Wi-Fi



HMI with Integrated
Wireless Access Point

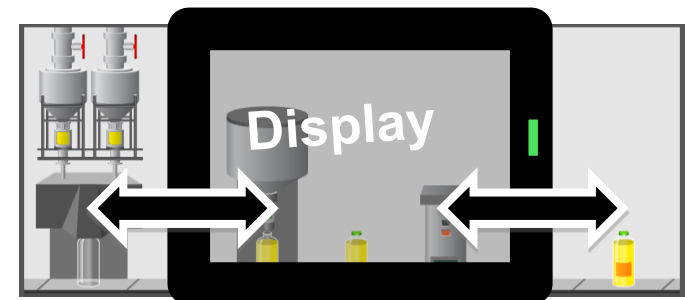
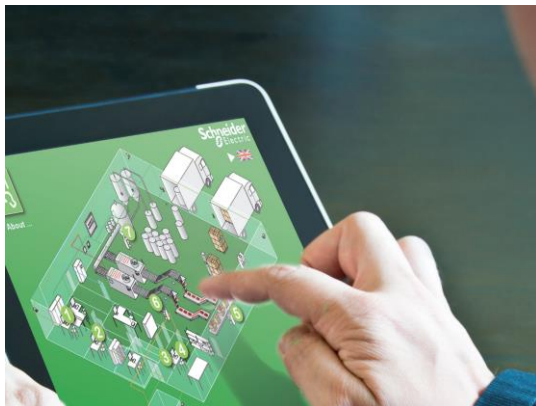
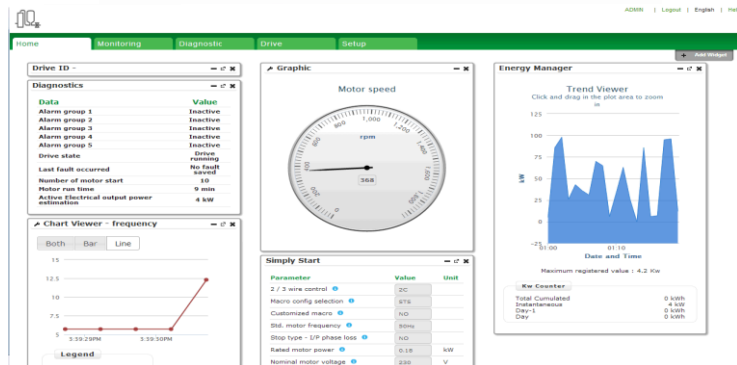


Remote Access
(smartphone &
tablet)

Service Oriented
Devices



IIoT: Smart Data & Mobility, Asset Management (Adaptative Interaction)

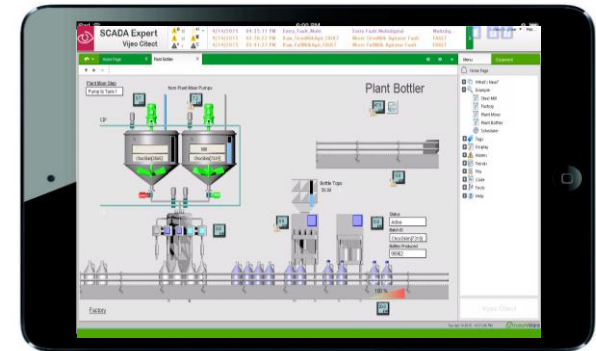
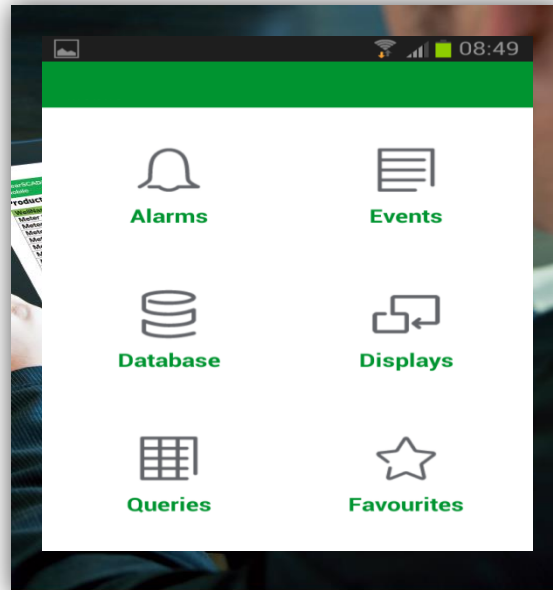
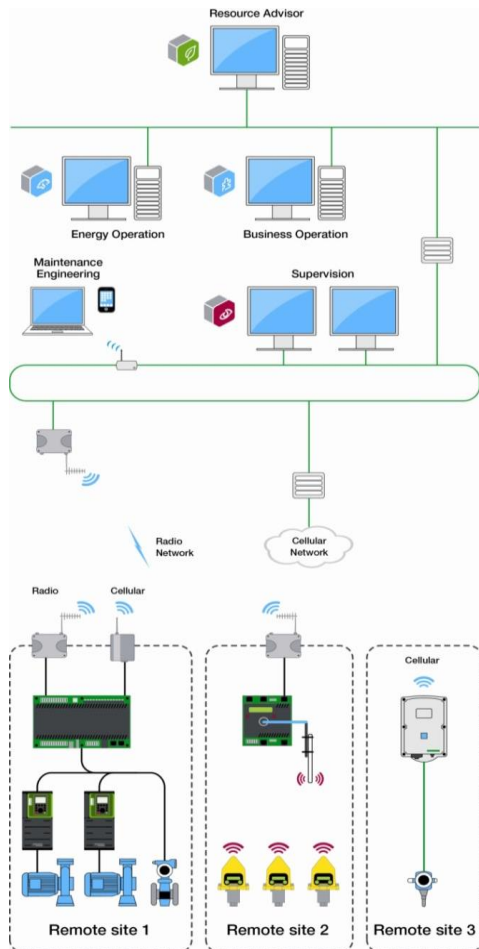





IIoT: Smart Data & Mobility, Asset Management (SCADA)

Enterprise

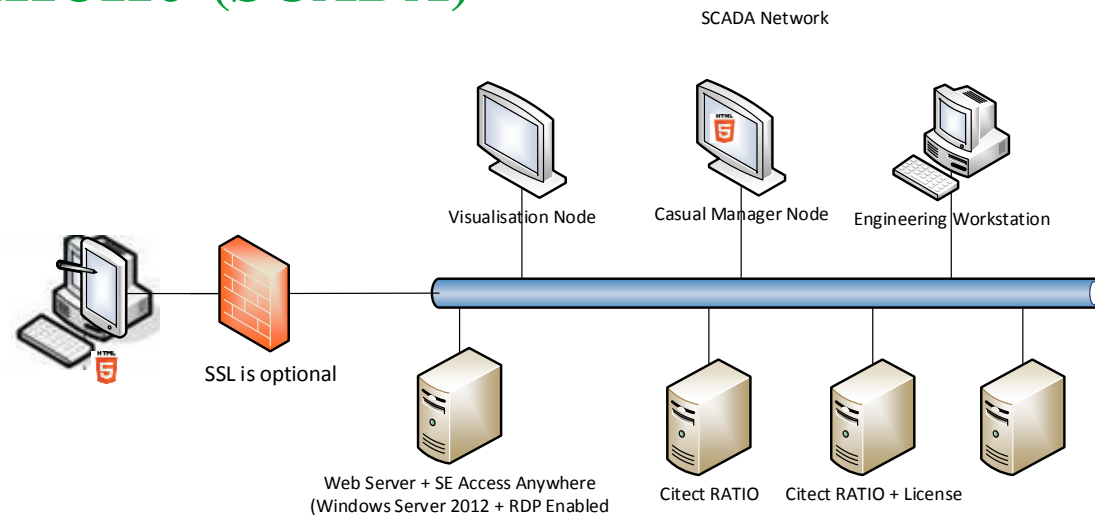
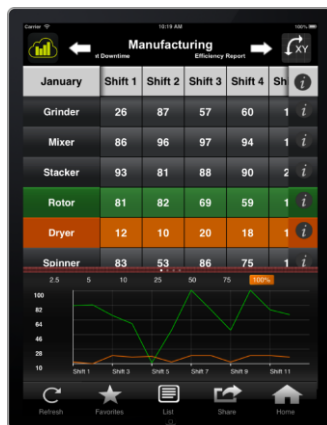
Operation

Control

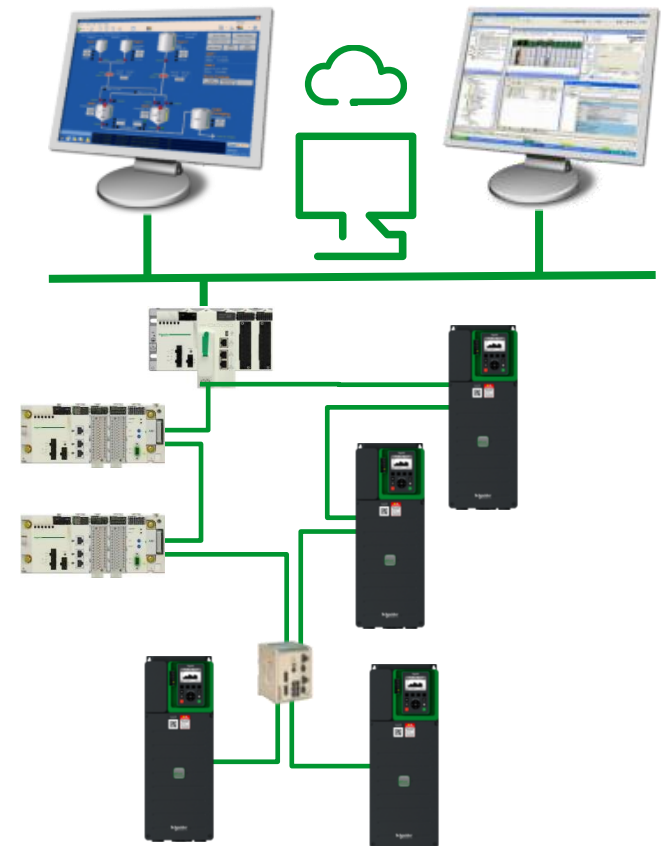


-  Touch Screen Analytics
-  Interactive Tools
-  Mobility
-  Real-time Data
-  Graphical Reports

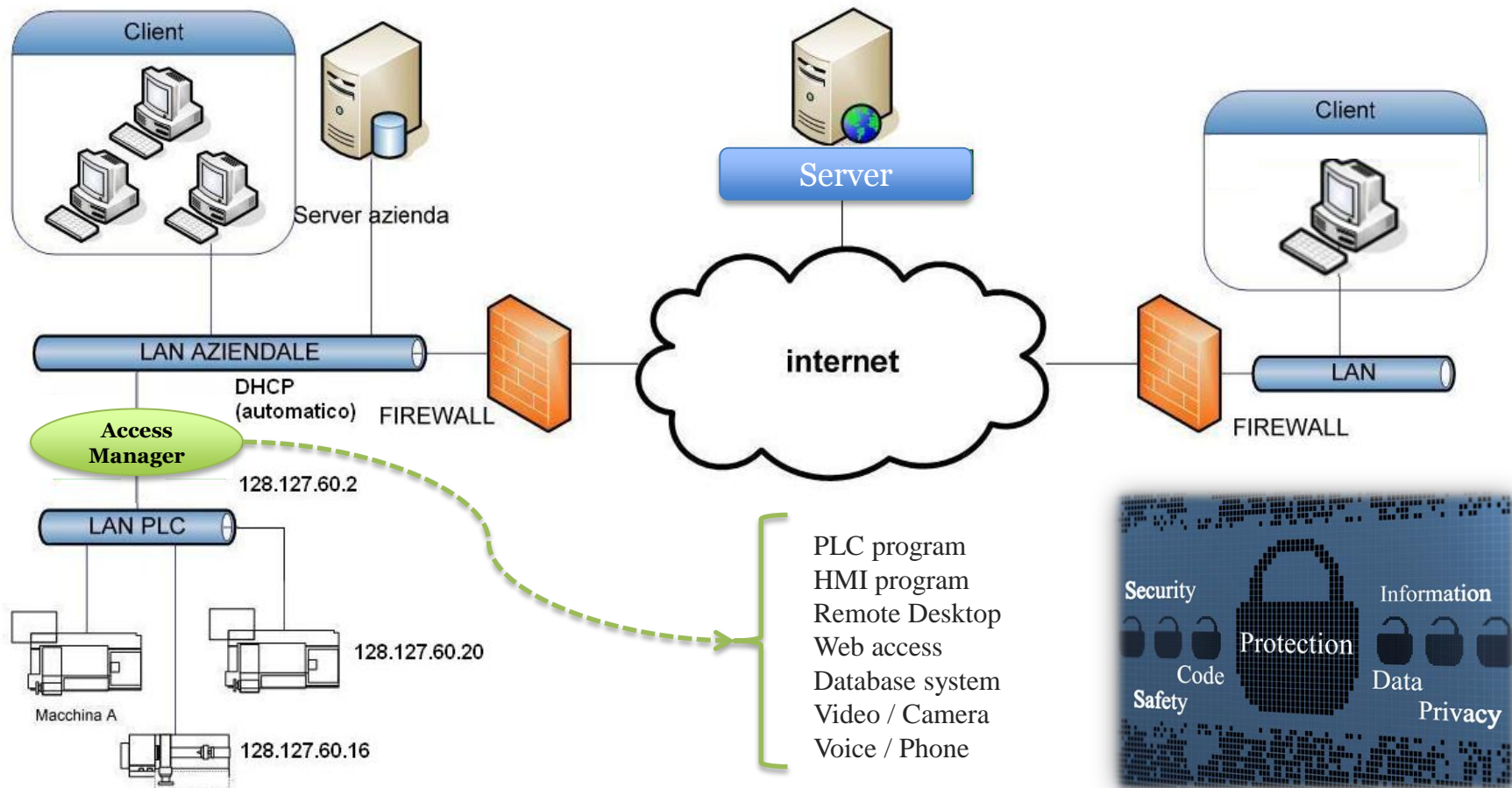
IIoT: Smart Data & Mobility, Asset Management (SCADA)

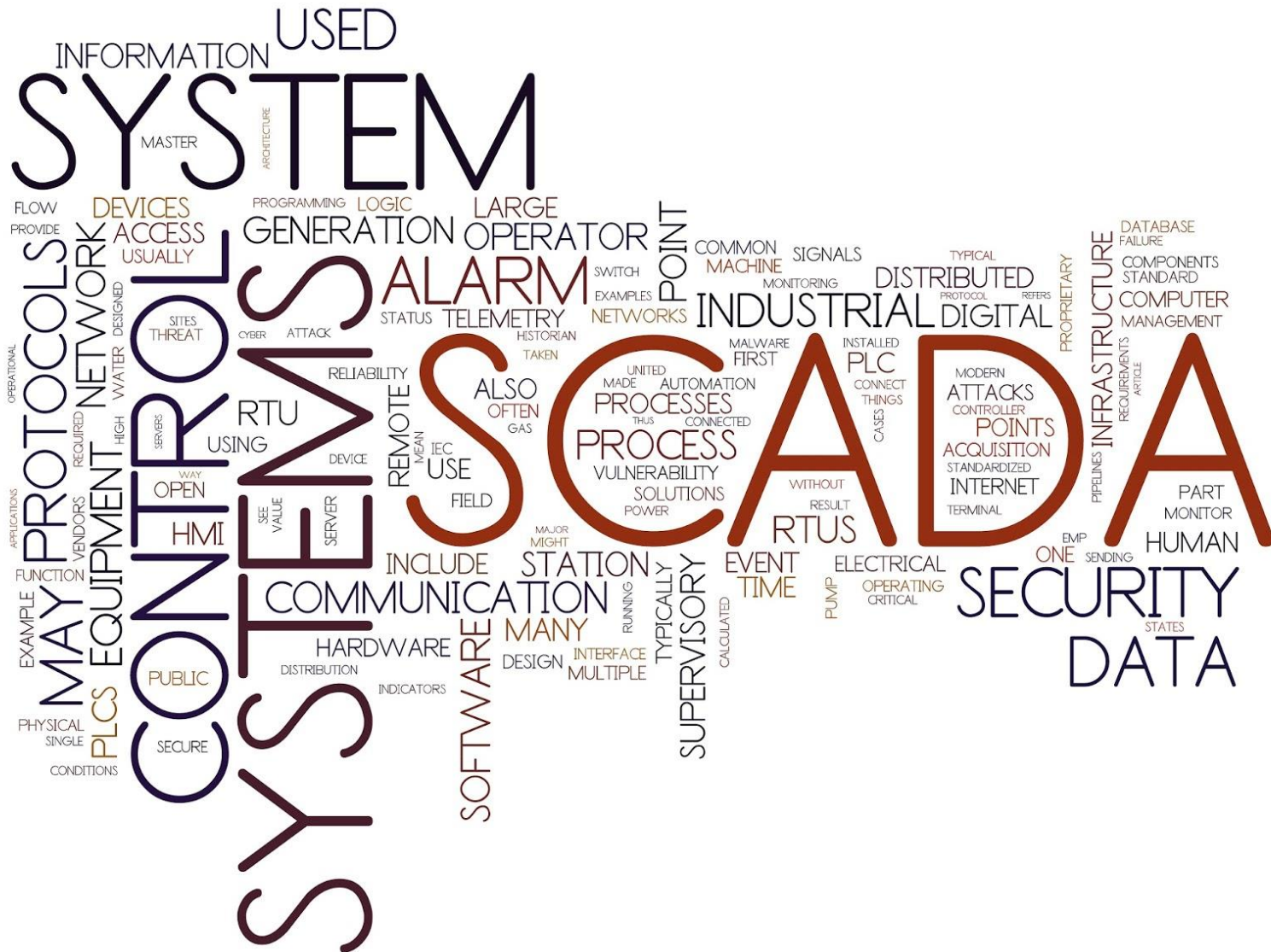


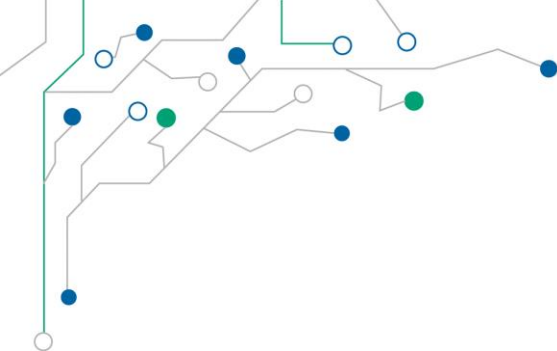
IIoT: Smart Data & Mobility, Asset Management (Remote Access)



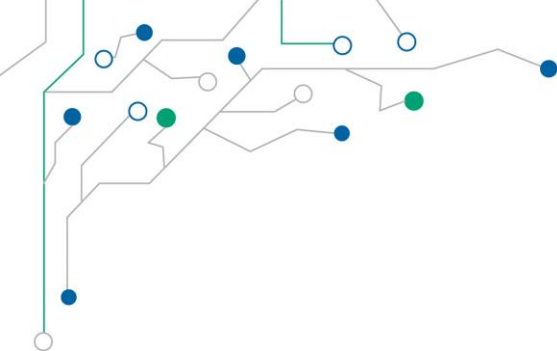
IIoT: Smart Data & Mobility, Asset Management (Remote Assistance)







Il futuro appartiene a coloro che credono nella bellezza dei propri sogni
(Eleanor Roosevelt)



Merci • Gracias • Danke • Спасибо • 谢谢 • شکرا • Dziękuję • Paldies • Баярлалаа
Dhanybhad • Aguyje • Salamat • Mulțumesc • Murakoze Dankje • Obrigado • Aitäh
Vinaka • Grazie • 감사합니다 • Дзякую вам • Ďakujem Hvala • Tack • 多謝 • Дякую
Asante • Tasenkirre • Благодаря • ありがとう • Ευχαριστώ • Köszönöm • Х
вала • Takk • Merci • Gracias • Danke • Спасибо • 谢谢 • شکرا • Dziękuję • Paldies •
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Thank you!