

Smart Factory:

non un lontano futuro, ma un'attuale opportunità
grazie al concetto Optimized Packaging Plant (OPP)

Smart Factory: le esigenze del mercato

PRODUTTIVITA'

INTEGRAZIONE

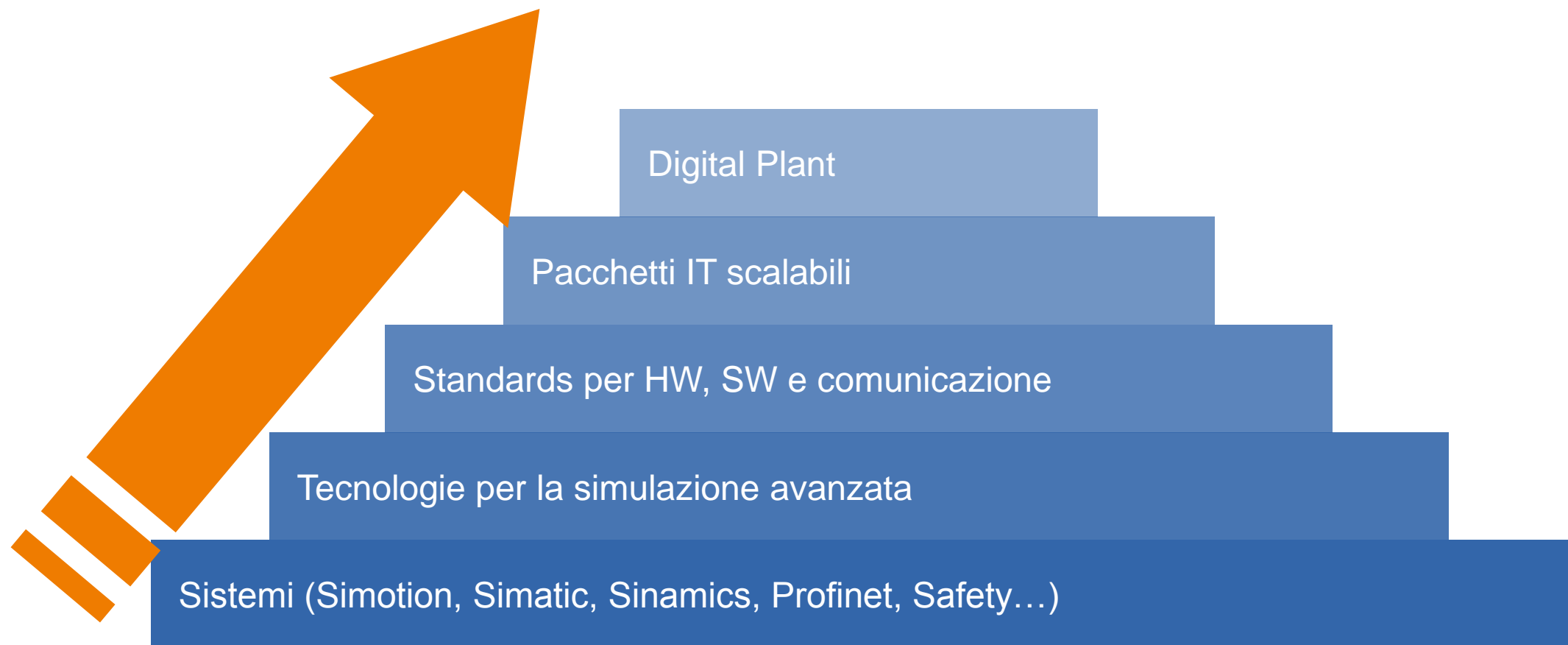
Eff. ENERGETICA

**Gestione semplificata
Magazzino**

Energie	
Hersteller Modell	
Niedriger Energieverbrauch	A
Hoher Energieverbrauch	1,02
Wirkungsgrad	A 80000
Schleifenwirkung	A 80000
Flußlänge (Planleistung) kg	1600
Wasserverbrauch	B
Umweltfuß	30
<small>Ein Produkt mit niedrigem Energieverbrauch ist immer umweltfreundlicher als ein Produkt mit hohem Energieverbrauch.</small>	

Smart Factory: approccio sistematico per rispondere alle esigenze di domani

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Visione Siemens: all'avanguardia nell'Innovazione

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SMART

Semplice

**Totally Integrated
Automation**

Max diagnostica

Riduzione Consumi

Automatizzata

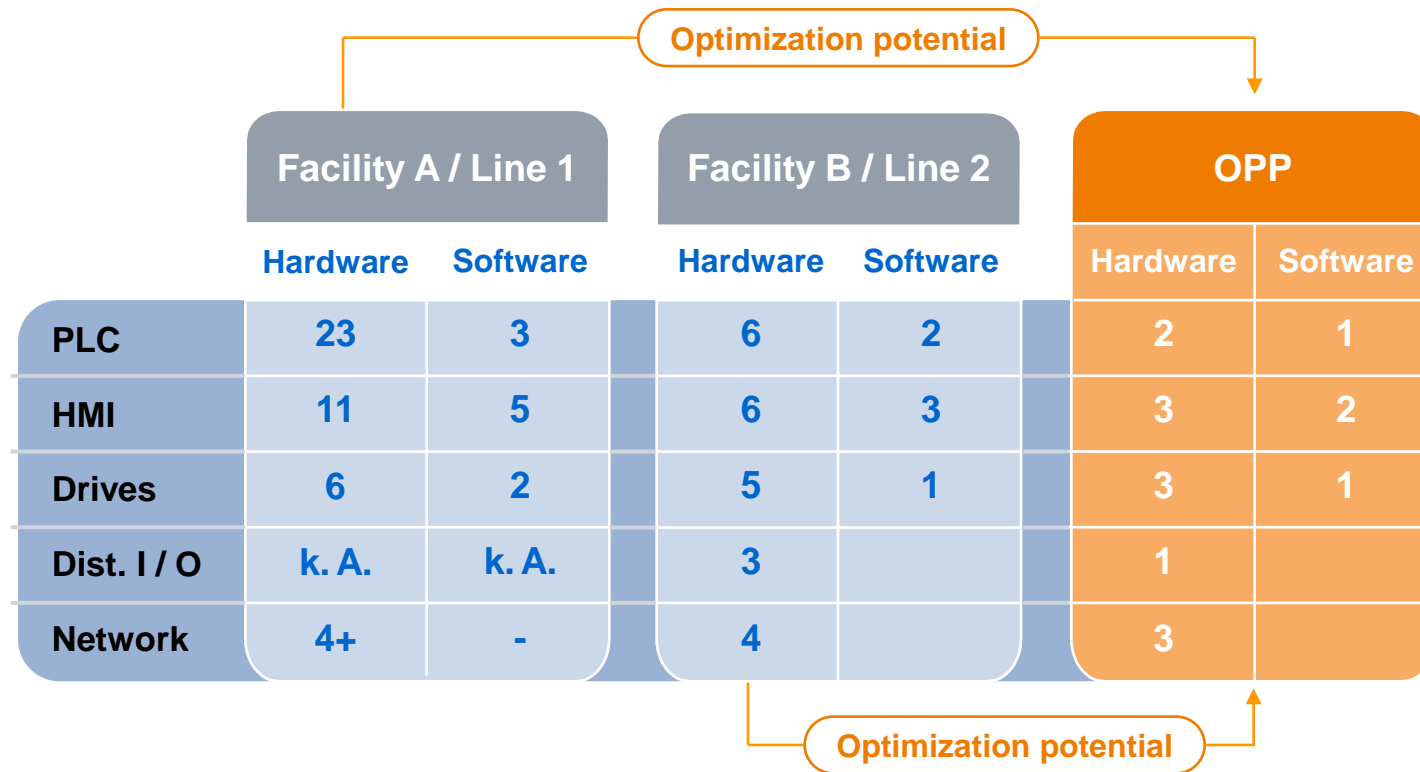
SMART

OPP

(Optimized Packaging Plant)

OPP: Complessità → Semplicità

E' stato condotto un plant audit presso due linee di produzione preesistenti

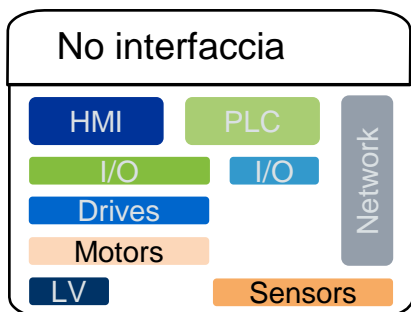


“Plug and Play” Industriale

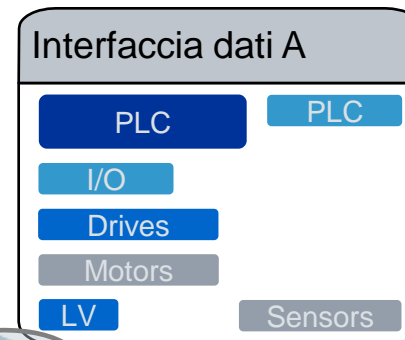
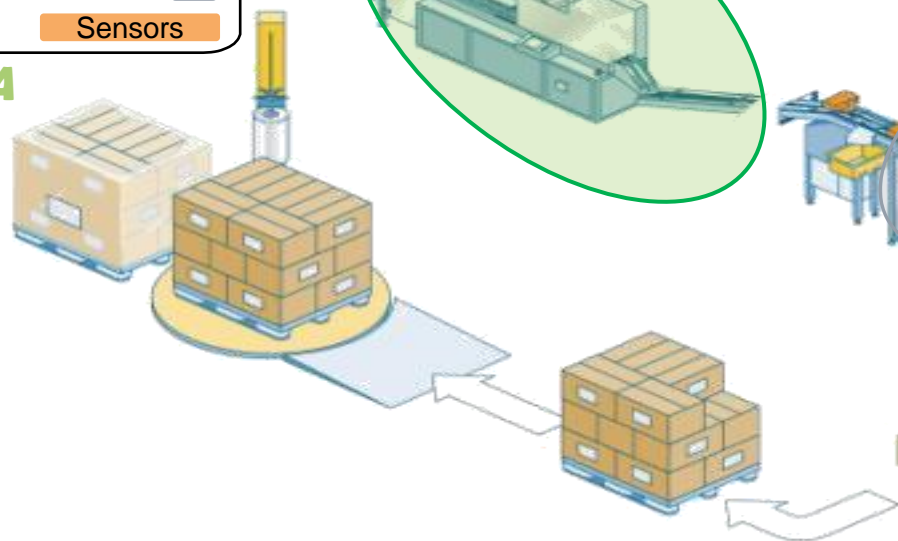


Integrazione

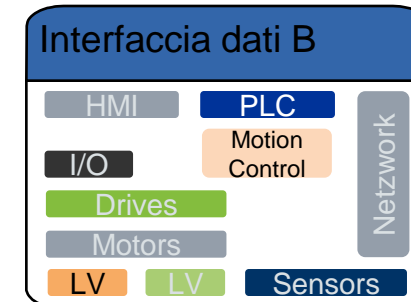
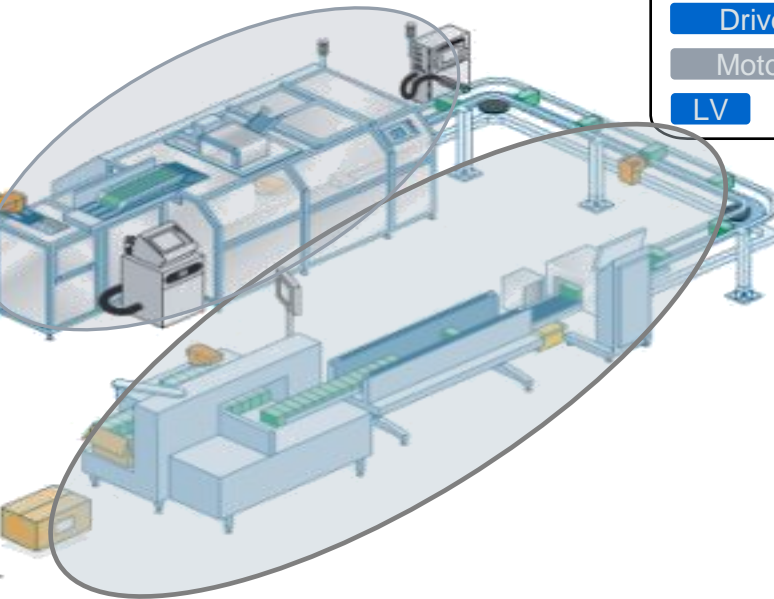
Difficoltà di integrazione di macchine fornite da più OEM



OEM A



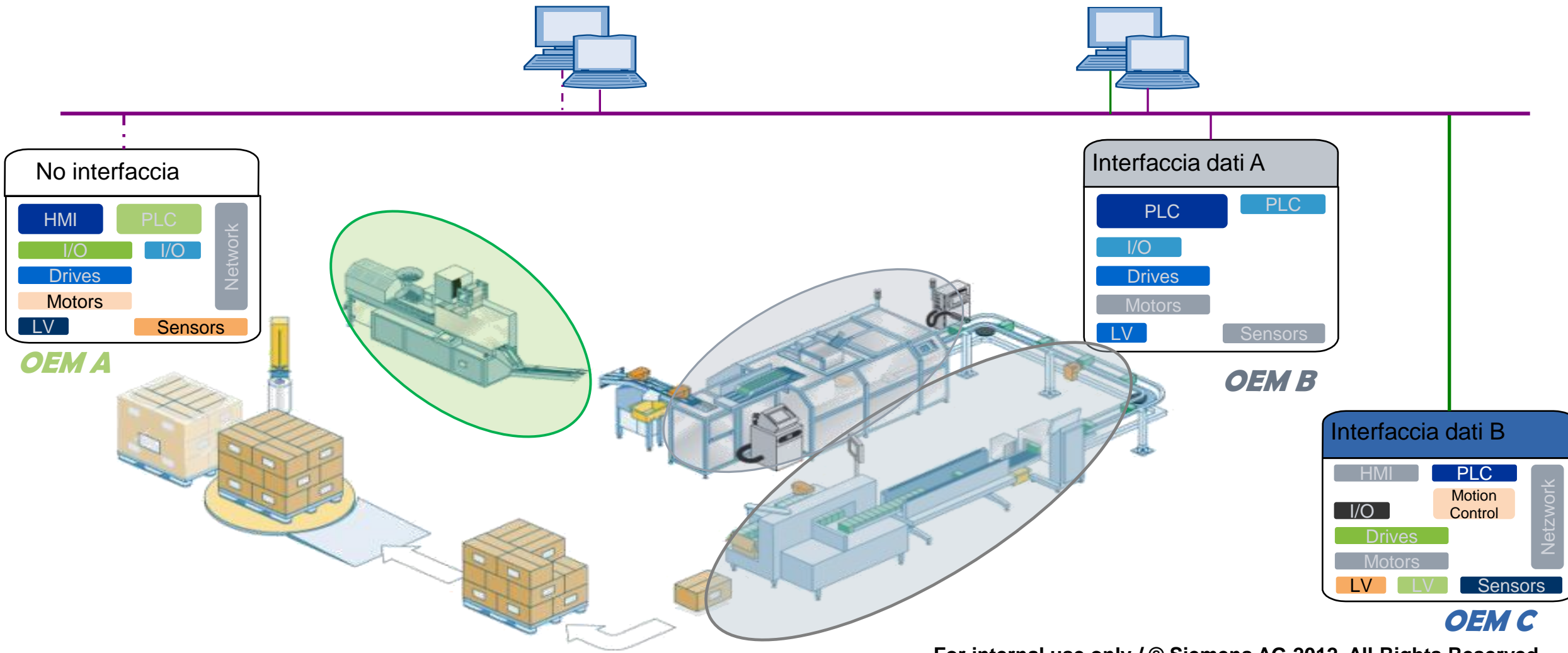
OEM B



OEM C

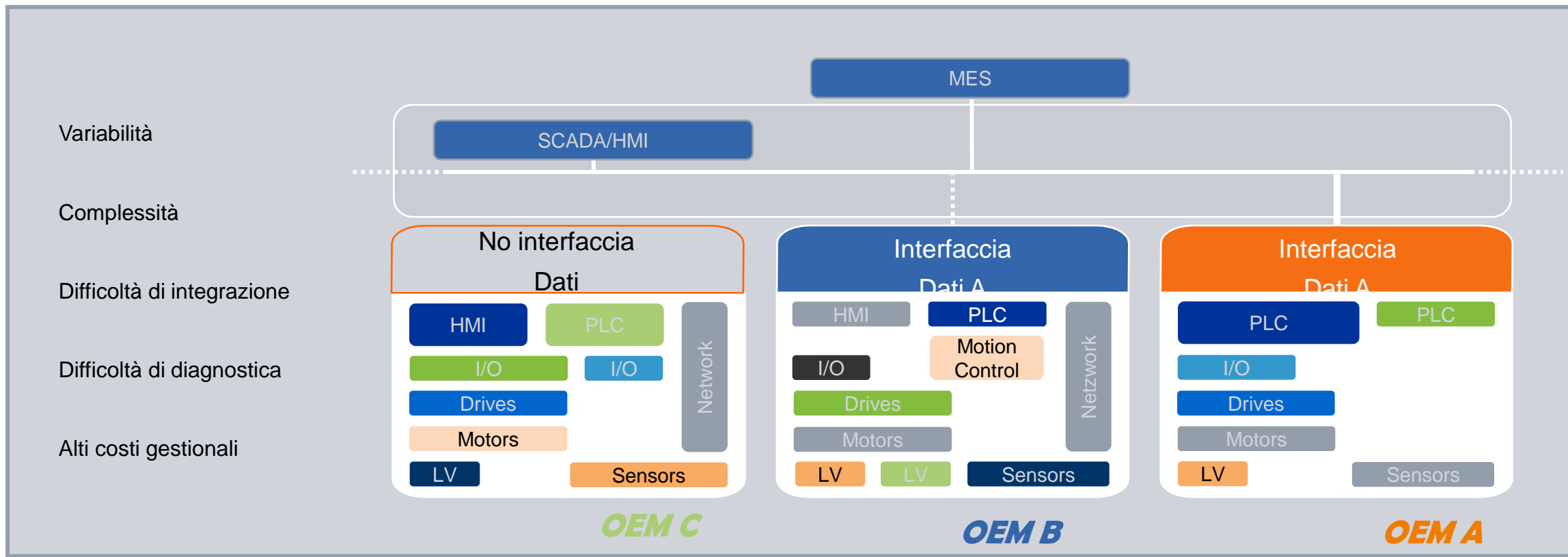
Comunicazione

Difficoltà di diagnostica e visibilità dell'impianto

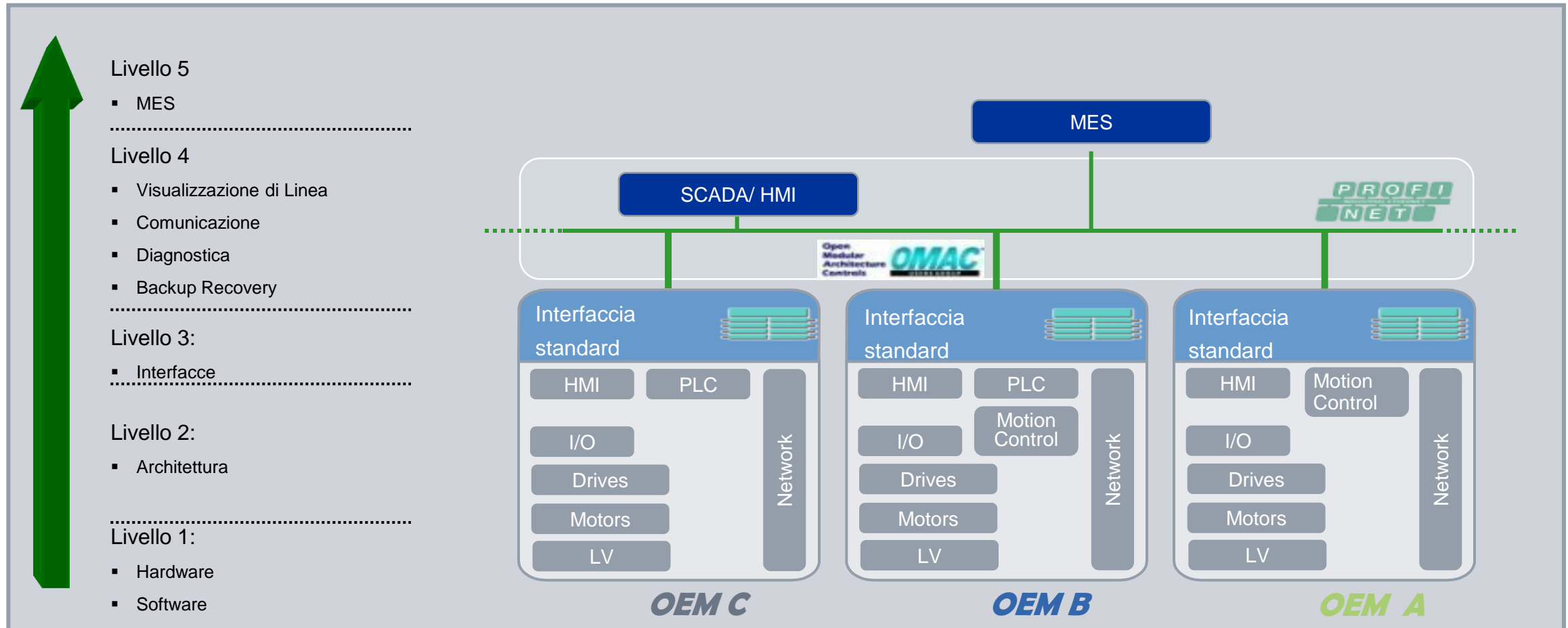


Situazione Attuale

Complessità ed eterogeneità dei componenti

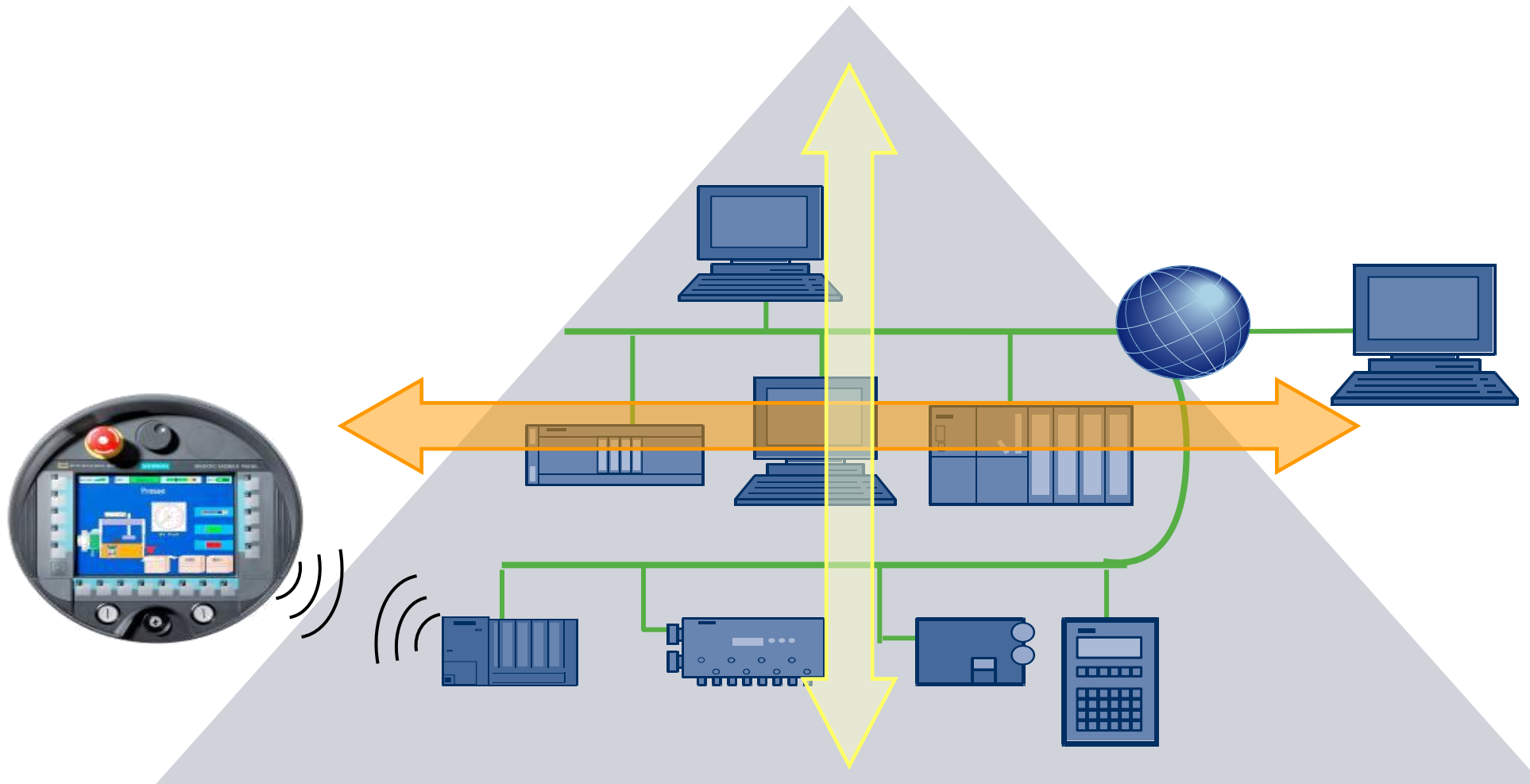


La soluzione OPP (Optimized Packaging Plant)



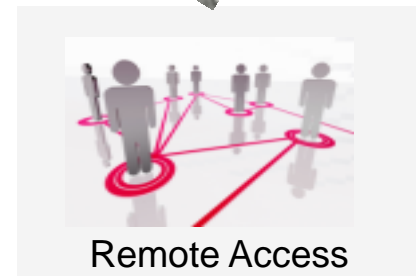
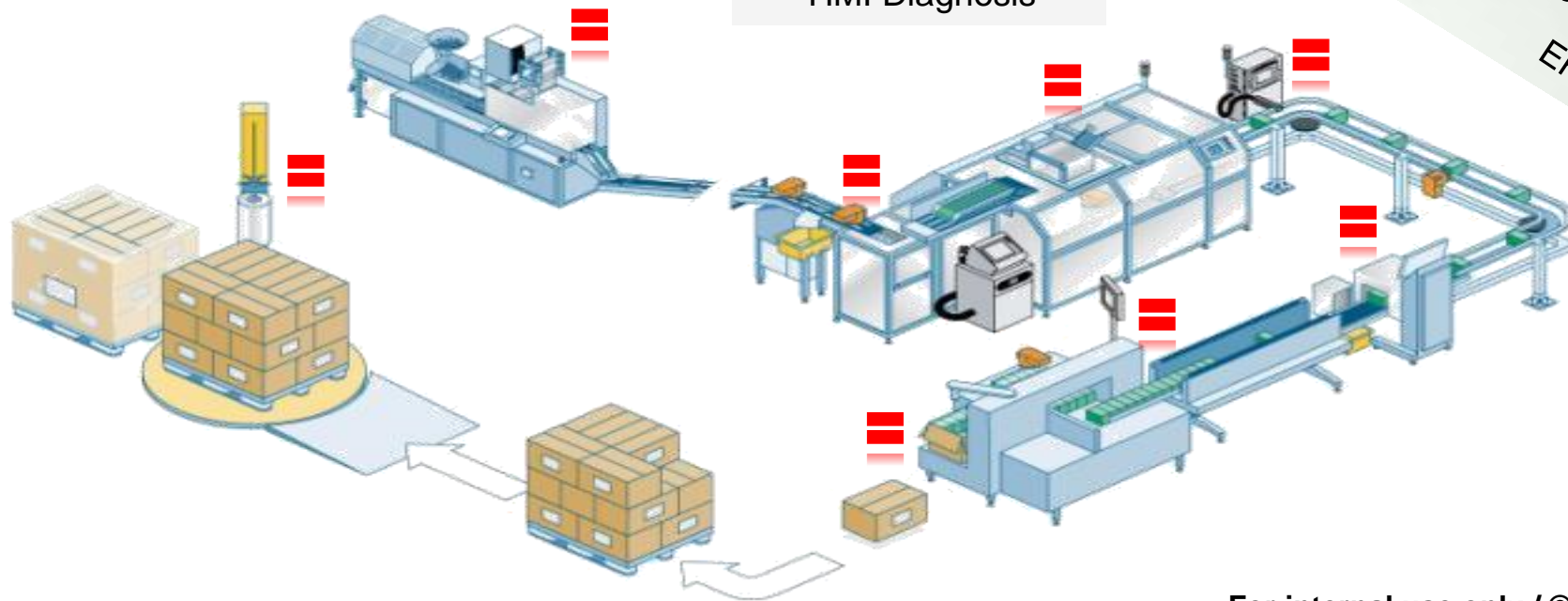
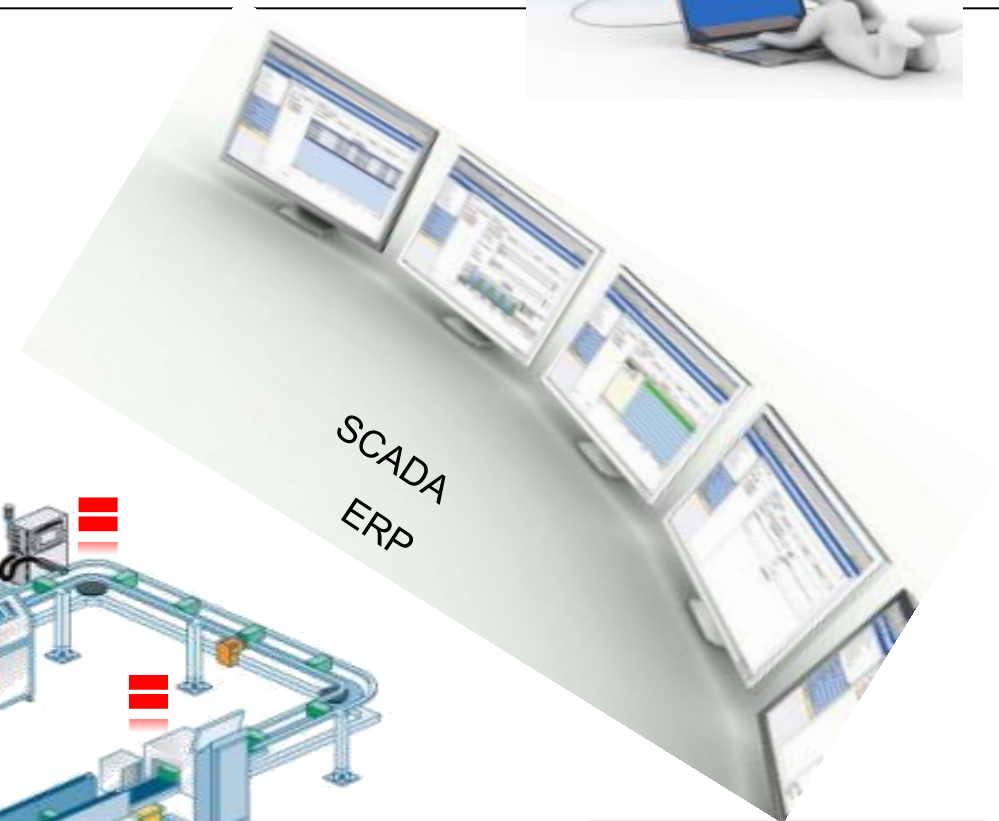
Smart Factory: Integrazione totale, Safety, Diagnosi e Remote Access... ...anche Wireless!

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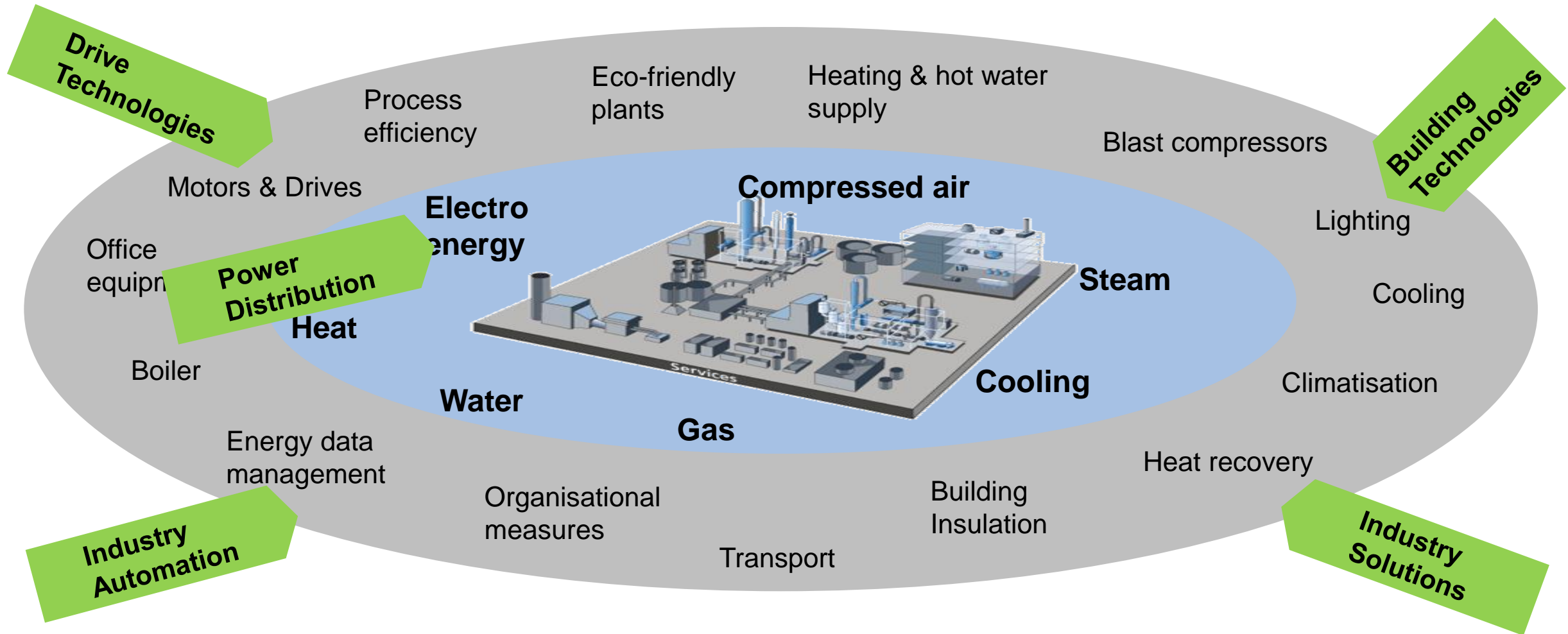


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OPP: Diagnostica puntuale e approfondita



Energy Efficiency: soluzioni complete a livello di impianto



OPP: Energy Savings



Misura

Rilevamento energia assorbita/rigenerata

Hardware

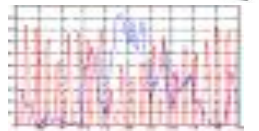
Recupero energetico

Management

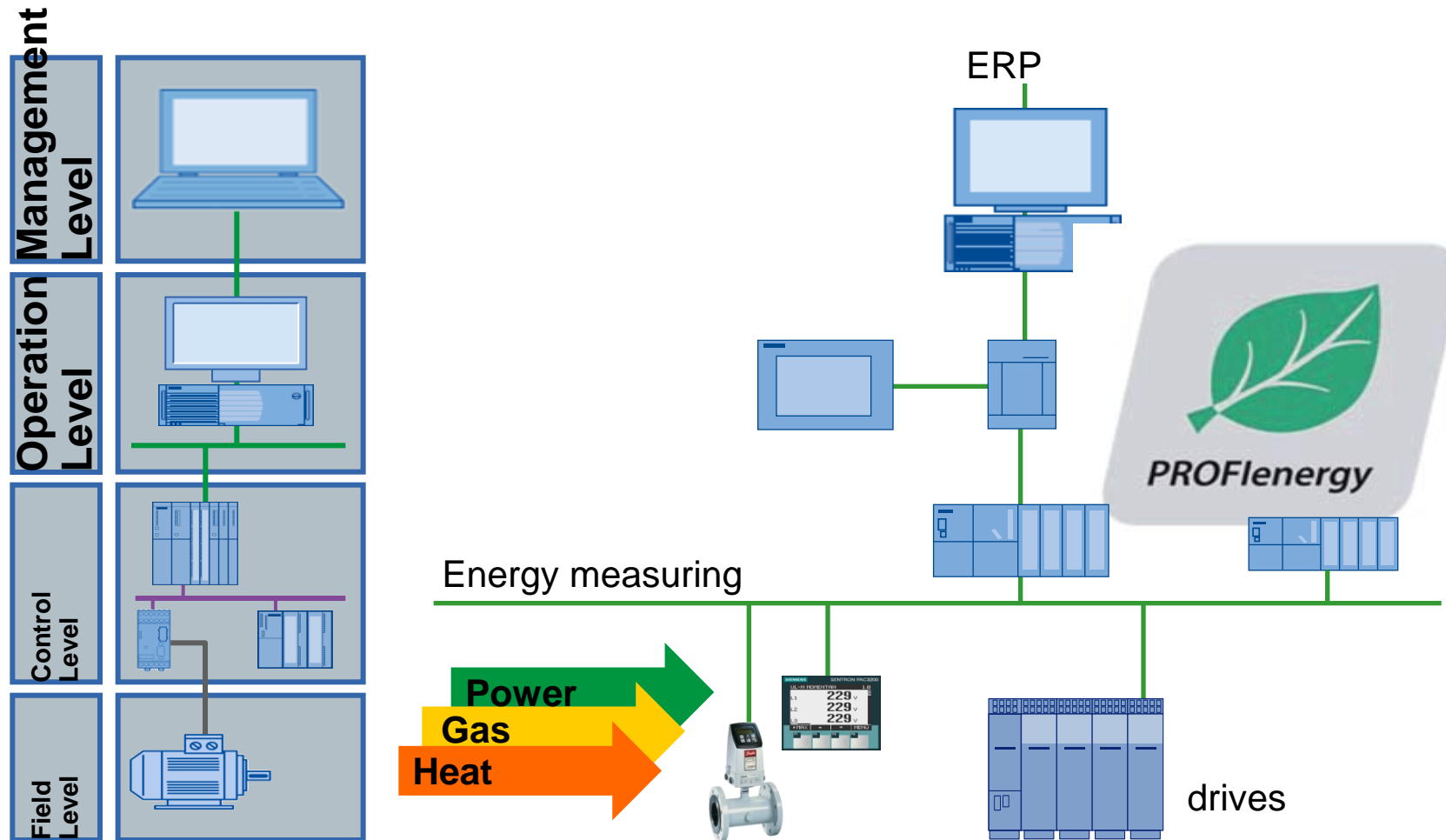
Gestione dei consumi

Analisi

Reportistica



OPP: la giusta soluzione per la gestione dell'energia a tutti i livelli



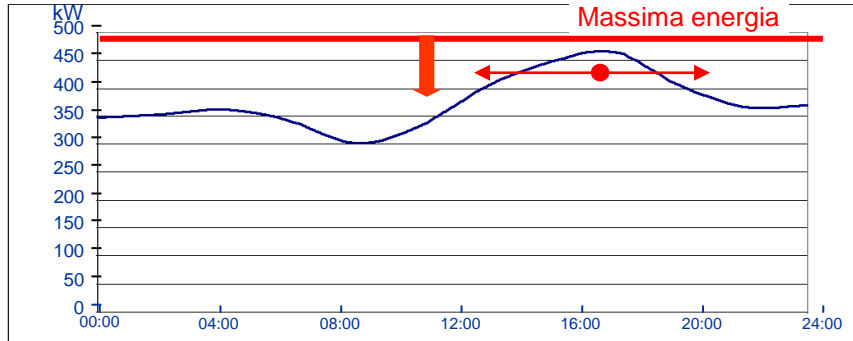
- Energy planning and acquisition
 - Trend analysis, Monitoring
 - Reporting
- Data reduction
 - Load management
 - Archiving
- Recording of the energy flow
 - Communication profiles
- Energy optimized drive technology

OPP: gestione dei consumi energetici



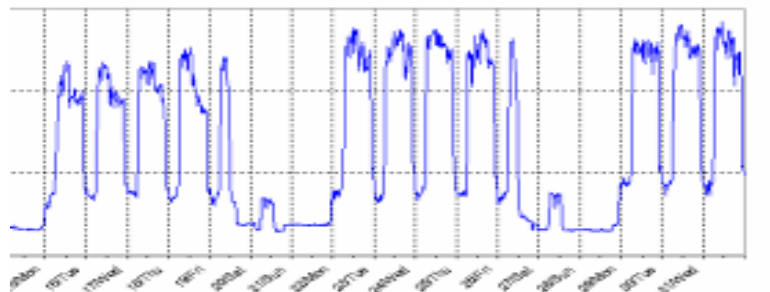
Analizzare i carichi

Curve giornaliere di carico



Trovare le anomalie

Curve settimanali di carico



Reportistica

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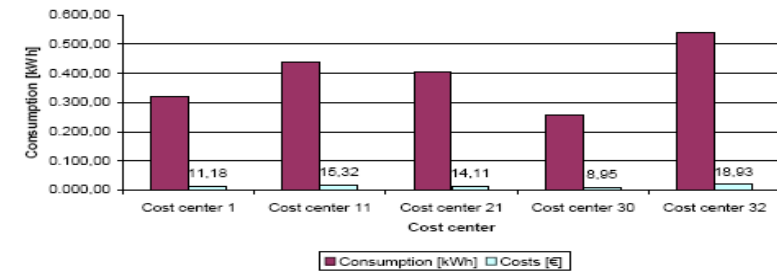
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powerrate Reporting

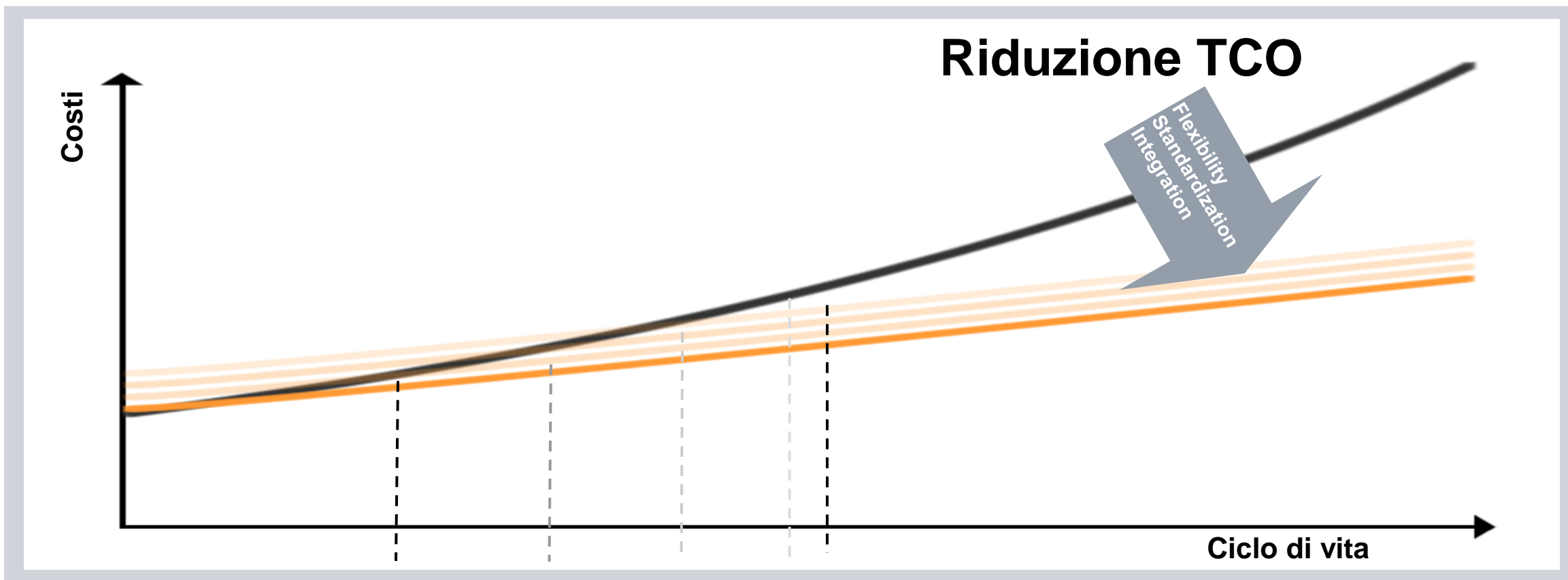
Time setting

Start Time: 11:16:00 08:11:2006
End Time: 13:16:00 08:11:2006
Time Aggregation: None
Time Zone: Local time

Consumption data



Conclusioni



OPP: la soluzione Siemens per aumentare la produttività e l'efficienza, riducendo i consumi e abbattendo il TCO. Fattori vincenti per il rilancio del comparto Industriale Italiano.

Thank you for your attention!



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