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I.R.S. srl

**Creare un gemello digitale:
monitoraggio e prognostica delle
macchine e delle linee produttive**

CONVEGNO

Tecnologie 4.0: motori per la fabbrica intelligente

Bergamo, 21 giugno 2017



IRS Ingegneria
Ricerca
Sistemi

Intelligent Systems



“Digital twins are becoming a business imperative, covering the entire lifecycle of an asset or process and forming the foundation for connected products and services. Companies that fail to respond will be left behind.”

Thomas Kaiser, SAP

“For every physical asset in the world, we have a virtual copy running in the cloud that gets richer with every second of operational data”

Ganesh Bell, GE Power & Water

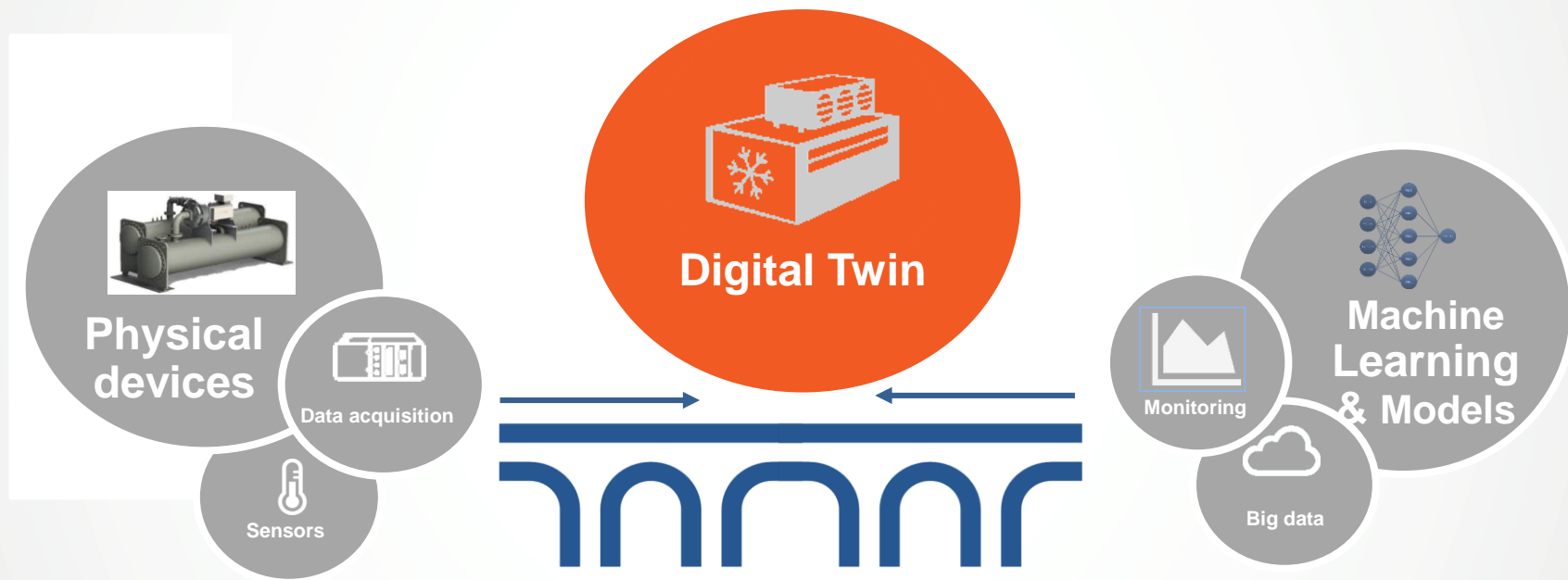


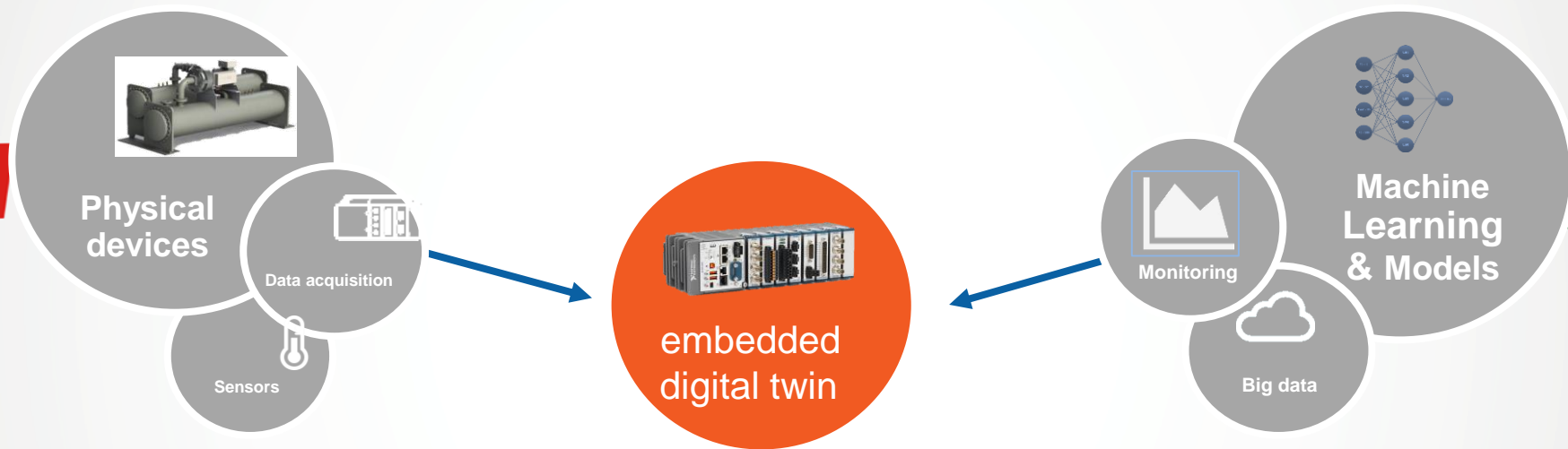
**Digital twin Explosion:
billions of twins in next five years**

A digital twin is a real-time digital replica of a physical device.



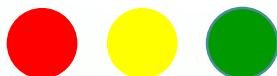
A bridge between the physical and digital world



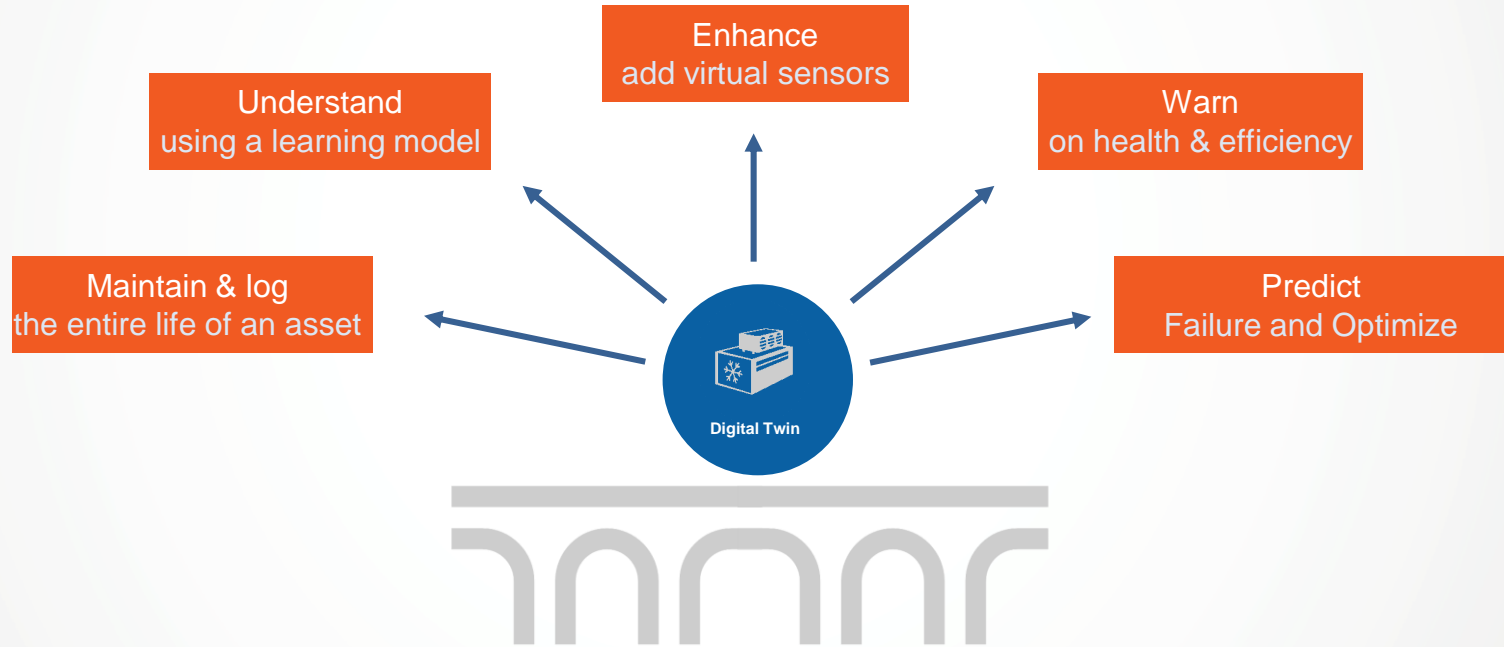


Sensors

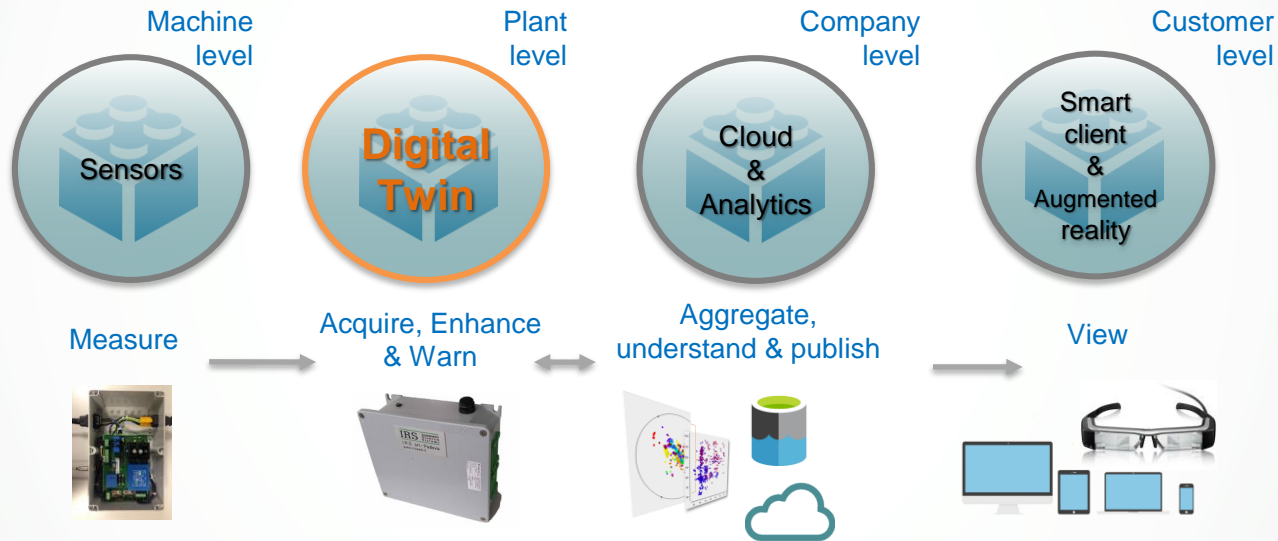
Fault Detection and Diagnosis



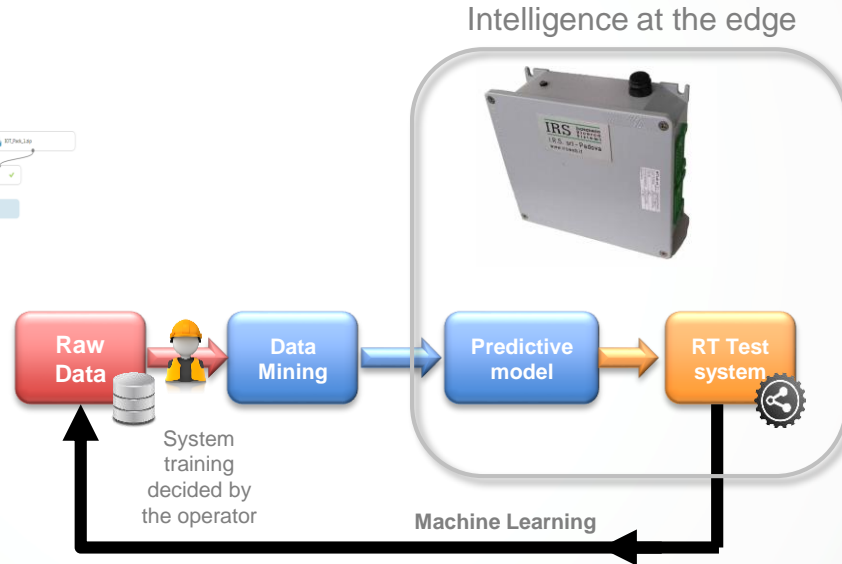
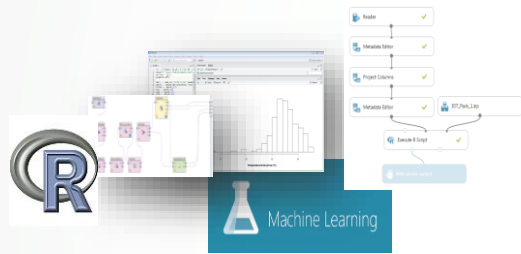
A bridge between the physical and digital world with Value and ROI embedded



A Digital Twin Solution Scenario



Digital Twin Artificial Intelligence scenario



Conclusion

*Develop a digital twin roadmap for your machine
and manufacturing lines*

by yourself or using partner

Grazie per l'attenzione!

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