

L' Industrial Internet of Things (IIoT) per l'Operatore 4.0

a che punto siamo?



Gianluca Bacchiega

irsweb.it



Matteo Bambini

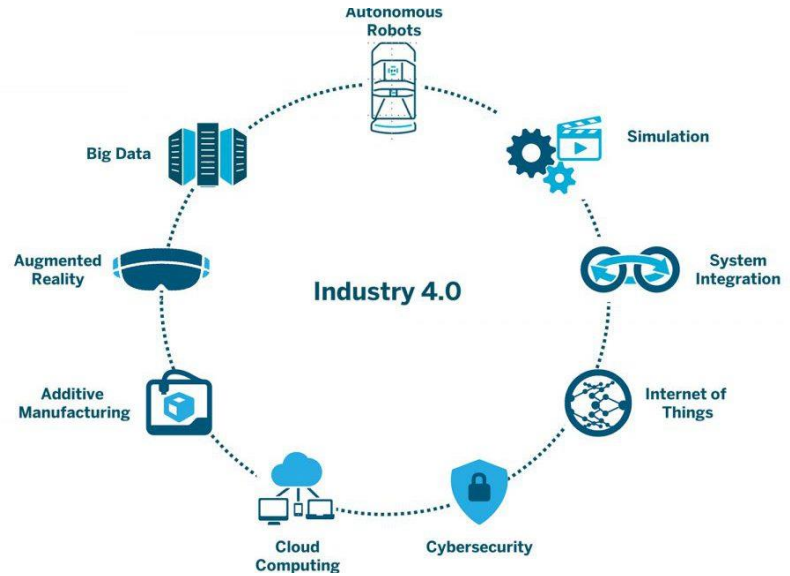
ni.com

Per 30 anni i sistemi sono rimasti uguali a loro stessi



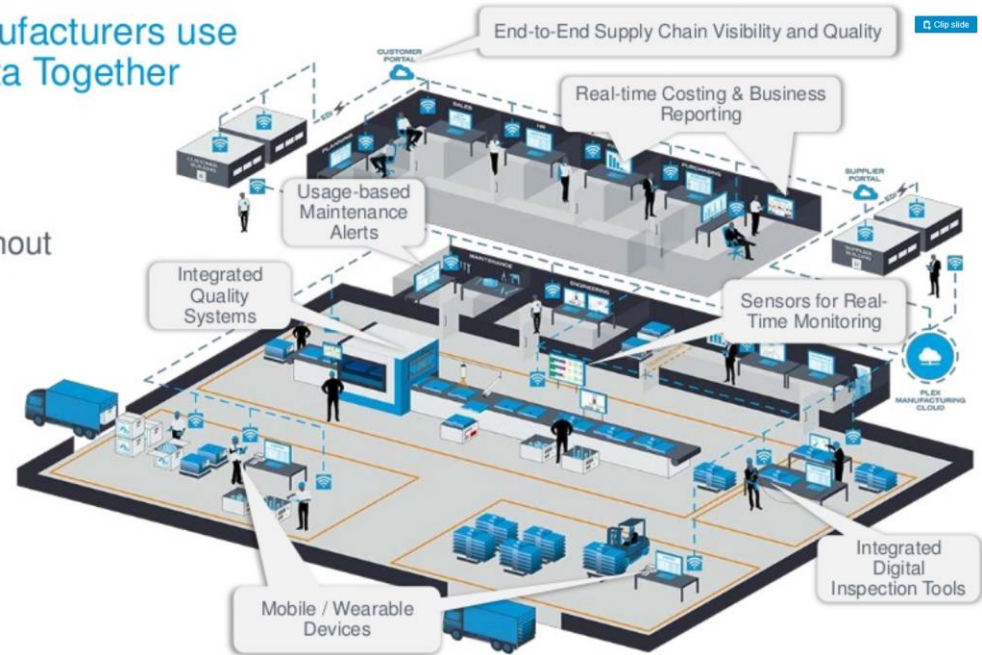
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Smart factory



Connected Manufacturers use Cloud to Tie Data Together

Fully connected enterprise delivers data points throughout the enterprise



Manufacturing is the #1 IoT Opportunity

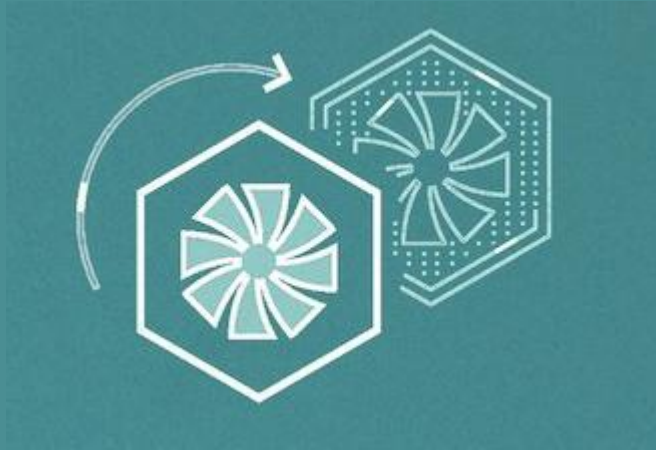
- \$1.2-\$3.7 trillion of economic impact
- IIoT isn't "technology looking for a problem" – this is a solution to existing needs

Implementation trends

da locale a globale



da dumb a smart



digital twin



deep learning

da mono-interfaccia
a multi-interfaccia





Hybrid Manufacturing 5.0

next r-evolution

The Time Is Now: The Power of Platforms

Building IIoT solutions today represents an opportunity to develop a competitive edge and avoid getting left behind as the market continues to embrace available solutions. Companies across all industries are adopting a new breed of disruptive platforms and ecosystems that will transform businesses into engines of innovation and growth by exploiting intelligent technologies such as sensor-driven computing, industrial analytics, and intelligent machine applications. With IIoT technologies, we can harness the benefits of these state-of-the-art platforms to ultimately reduce maintenance costs and improve asset utilization.



INDUSTRIA MULTIMILIARDARIA

Siamo solo all'inizio. Nei prossimi cinque anni, Roland Berger prevede infatti che la IIoT diventi un'industria multimiliardaria.

<p>INDUSTRIAL INTERNET OF THINGS</p>	<p>OVERVIEW</p>
<p>DISTRIBUTED BY THE TIMES</p> <p>PUBLISHED BY ASSOCIATED PRESS</p> <p> INDUSTRIAL INTERNET CONSORTIUM</p>	<h1>Connected machines will create better jobs</h1> <p>Negative stories have surrounded the internet of things and job losses have been their focus, but a more accurate analysis reveals a shift in the skills needed towards services</p>

A platform ready for change



Productive Software

Our extensive portfolio of software, from LabVIEW to TestStand, helps you translate your programming ideas into reality, reduce project development times, improve system performance, and deliver business insights based on collected data.



Flexible, Modular Hardware

NI modular hardware, which ranges from high-performance RF instrumentation to low-cost measurement devices, has flexible I/O that helps you to reconfigure hardware in software and avoid buying new equipment every time application needs change.



Seamless Integration

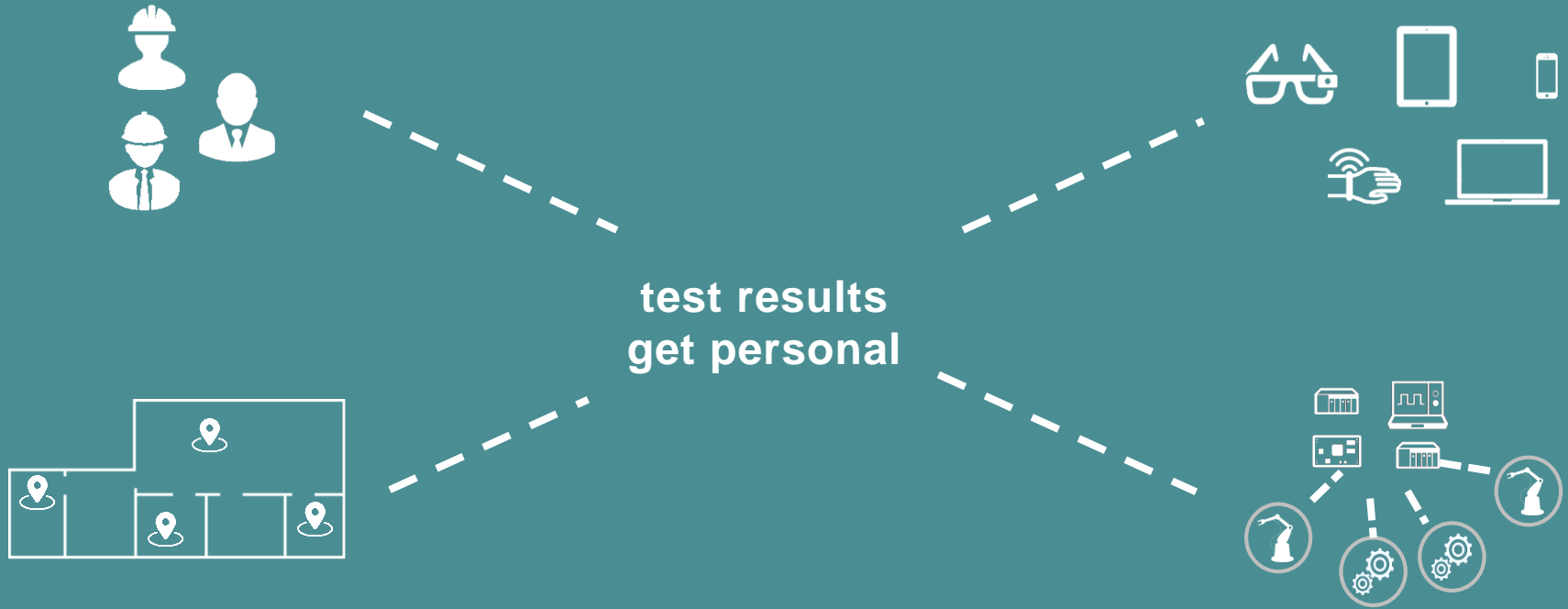
With seamless integration of flexible hardware and productive software from one vendor, you can design measurement and control systems more rapidly. NI software and I/O hardware work together so you can stop sweating the details and focus on designing better systems faster.

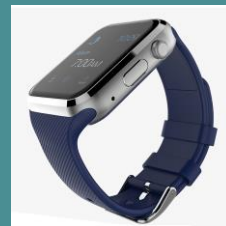
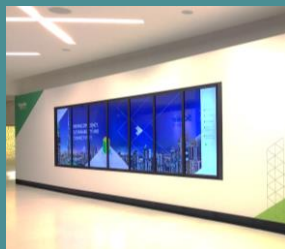


Openness and Interoperability

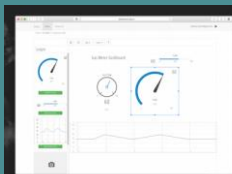
The openness and flexibility of the NI platform allows you to choose to use NI software and hardware or third-party tools in multiple different combinations. You can accelerate your system design to reduce complexity, innovate faster, and continually integrate new technologies based on the tools that you prefer.

Hybrid manufacturing



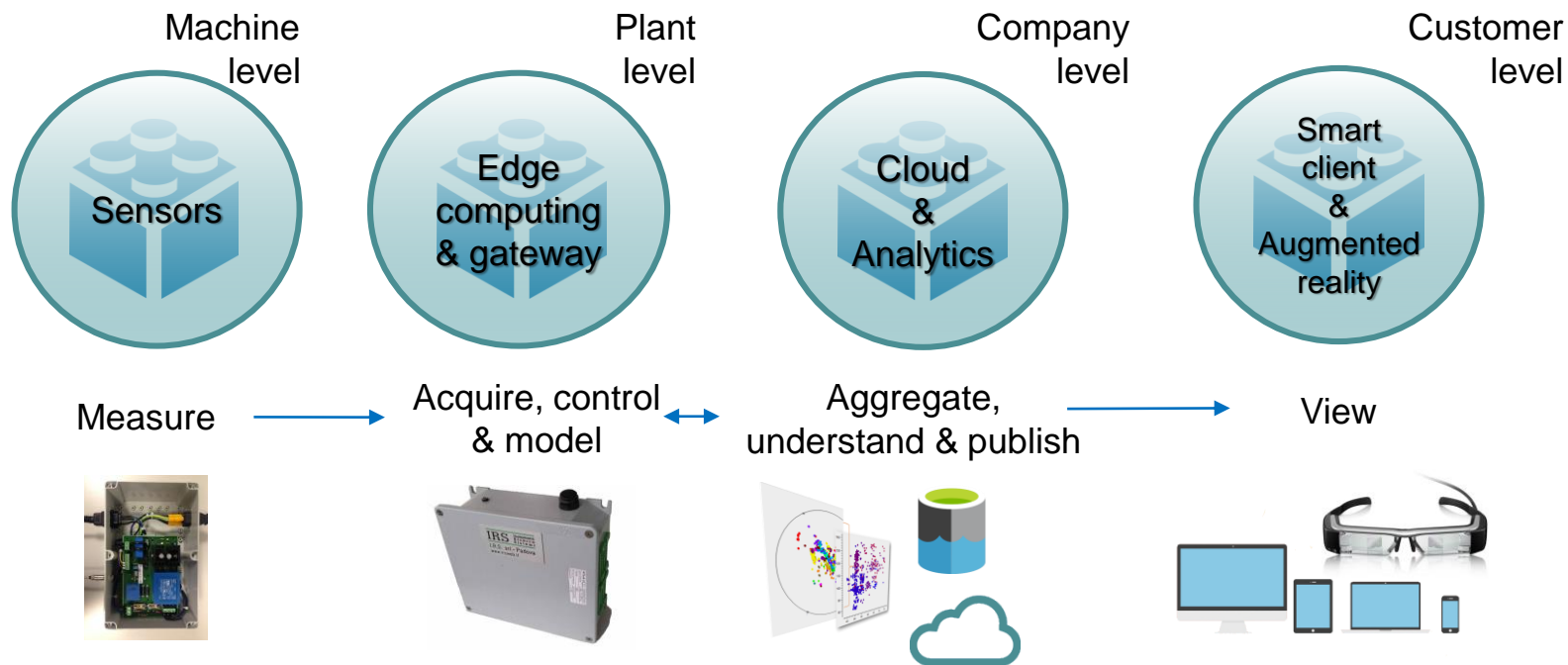


Human at the center

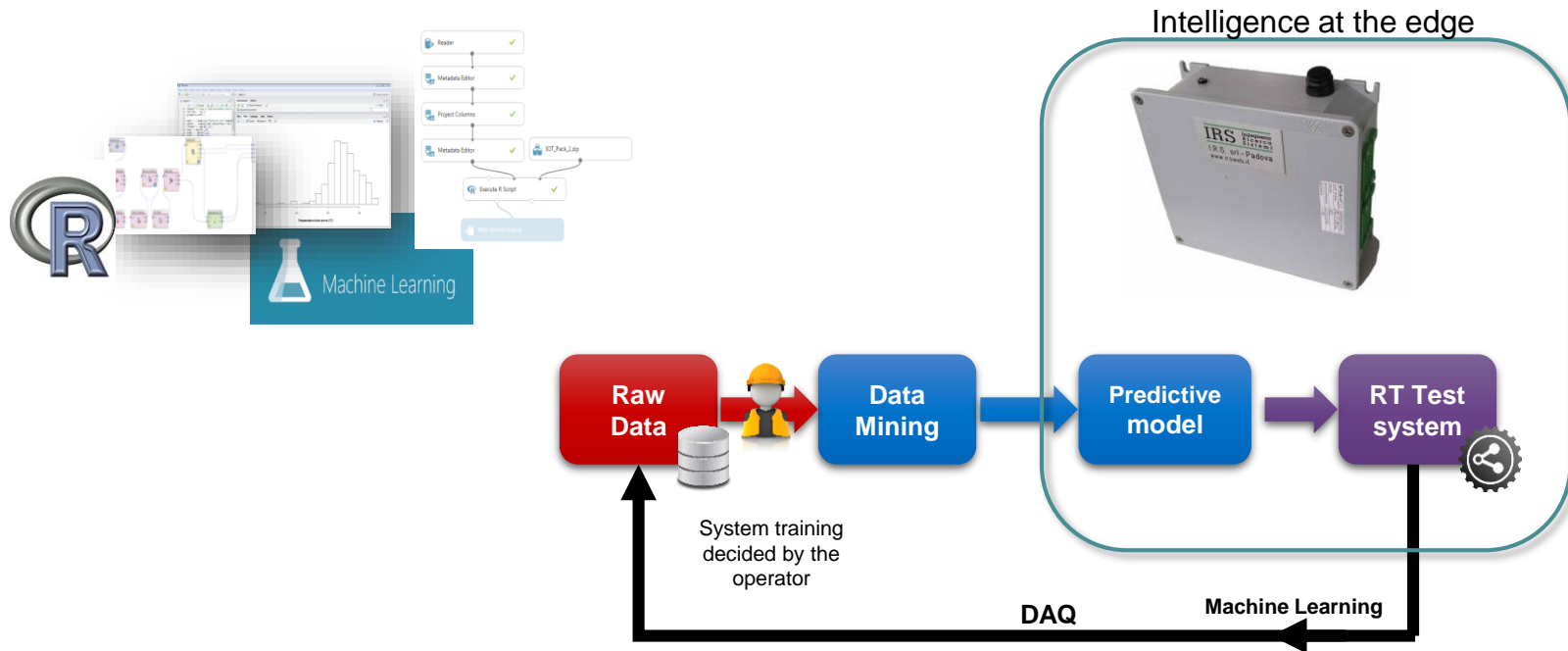


Online Visualization.
Online Data Analysis.
Any Browser.
Any Platform.
Anywhere.

Il test diventa globale



II test diventa smart





Conclusioni

la persona ibrida
la persona «aumentata» grazie alla tecnologia



Per info e contatti
www.irsweb.it
ni.com