

II Fòrum Indústria 4.0

Tendències en l'àmbit de Software

Michael Loughlin

Grup de treball de Software, Anàlisi i Integració – Comissió Indústria 4.0

Michael Loughlin

Create a Post Photo/Video Album

Write something here...

Photo/Video Feeling/Activity



Michael, you've made 150 friends on Facebook! Thank you for bringing the world a little closer together. We think that this is something to celebrate!



3 event invitations

Sponsored Create Advert



Jago - Casco de moto jet con visera de sol y bol... amazon.es Compra en Amazon



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- Peter Cooley shared a link.
Roisin Lee likes The honest vegan's post.
Joan Llansana likes Xavi Casanovas's post.
Luisa Capilla likes Raimon.
Merce Cornellana Marti.
Roisin Lee.
Maria Donato Guidarelli.
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Pierre-Claude Artus.
Maeve Loughlin.
Eloi Loughlin.
Armand Simon.
Jose Ernesto Gomez López.
Colm Toibin.
Marianne Andersen.
Santiago Enrique Rap...
Francesco Ferro.

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Jago - Casco de moto jet con visera de sol y bol...

amazon.es

Compra en Amazon

Amazon:

Users: 300 Million

Revenue: 136.000 M USD (2016)

Hannover Messe 2017 #HM2017

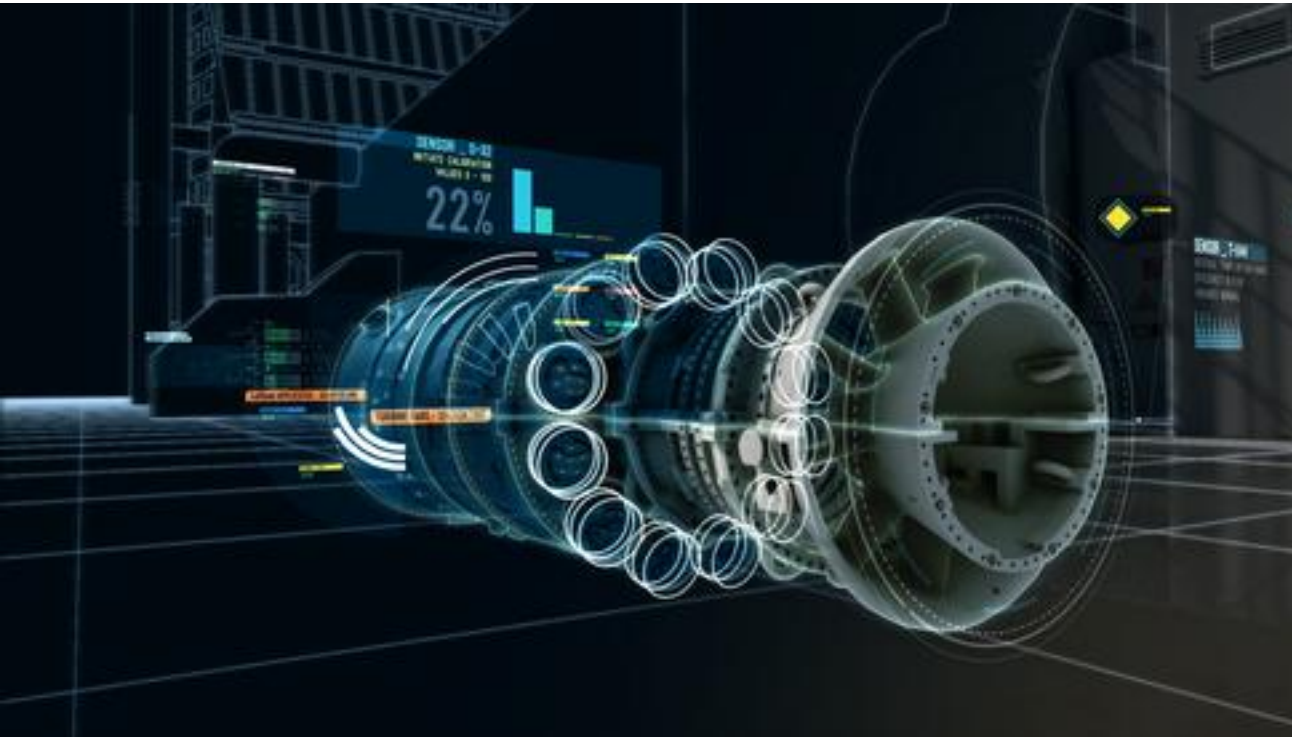
*“Making the benefits
of digitalization
tangible”*



A futuristic factory floor with a digital wireframe car overlaid on a physical car chassis. The scene is dominated by industrial machinery, including overhead cranes and conveyor systems. A prominent feature is a car chassis that is partially physical and partially overlaid with a glowing blue digital wireframe mesh, representing a digital twin or augmented reality application in manufacturing. The lighting is bright and industrial, with some blue highlights from the digital overlay. In the background, the factory structure extends into the distance, showing multiple levels and complex machinery. A small white label with the number '032' is visible on one of the overhead beams.

Digital Enterprise

Digital Twin



- Value chain
- Product lifecycle

Source: GE

Amazon Moda

MUJER ▾

HOMBRE ▾

NIÑA ▾

NIÑO ▾

BEBÉ ▾

EQUIPAJE ▾

MARCAS ▾

NOVEDADES ▾

OUTLET Y PRECIOS BAJOS ▾

DEVOLUCIONES
GRATUITAS

Ver condiciones

Coche y moto › Motos, accesorios y piezas › Ropa y accesorios de protección › Cascos › Cascos integrales



Pasa el ratón por encima de la imagen para ampliarla

Shoei NXR Lunar Motorcycle Helmet XS Red (TC-1)

de Shoei

[Sé el primero en opinar sobre este producto](#)Precio: **EUR 373,60** + EUR 25,00 de envío
Precio final del producto**Nota:** Este producto no disfruta de las ventajas de Amazon Prime ([más información](#)).**Sólo queda(n) 1 en stock.****Recíbelo entre el 6 - 13 jun.** al elegir **Entrega estándar** durante la tramitación del pedido. [Ver detalles](#)Vendido y enviado por [Wheels Motorcycles](#).Color: **weiß-rot**Tamaño: **XS (53/54)**

- La esencia de la conducción. no lustigen, no características innecesarios, sólo el pura conduce. du, tu bicicleta y la nxr es todo lo que necesitas para experimentar el pure experiencia del motorista.

[Avisar de alguna información del producto errónea.](#)

Compartir

EUR 373,60 + EUR 25,00 de gastos de envío
Sólo queda(n) 1 en stock. Vendido por **Wheels Motorcycles**. **Añadir a la cesta** **Comprar ya en 1-Click®**

Enviar a:

Michael Loughlin- Barcelona - 08011 ▾

Añadir a la Lista de deseos ▾

¿Tienes uno para vender?

[Vender en Amazon](#)

Página 1 de 9

Los clientes que vieron este producto también vieron



Coche y moto › Motos, accesorios y piezas › Ropa y accesorios de protección › Cascos › Cascos integrales



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Vendido y enviado por [Wheels Motorcycles..](#)

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Página 1 de 9

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Convention Center

Manufacturing



SAP Leonardo

Digital Manufacturing

powered by SAP Leonardo



Open Integrated Factory Generation 2027 Engineering

Open Integrated Factory Generation 2027 Research





Delivering excellence in digital manufacturing, today

MICROSOFT ENABLERS

The internet of things, people and services connects you to operate anywhere with a comprehensive platform across the cloud continuum for business value delivery

DELIVERING EXCELLENCE IN DIGITAL MANUFACTURING, TODAY

Accelerate value creation and optimize plant performance through seamless human-machine interaction and innovative partnerships with leading manufacturers

Secure traditional manufacturing operations with modern cloud-based security

Microsoft is delivering on...

DIGITAL TRANSFORMATION: AN IMPERATIVE

70% of manufacturing executives expect to increase their digital investment in 2018

40% of manufacturing executives expect to increase their digital investment in 2018

48% of manufacturing executives expect to increase their digital investment in 2018

77% of manufacturing executives expect to increase their digital investment in 2018





Transform Your Products

Optimize Your Operations

Delivering excellence in digital manufa

Field Service



MITALINDIC
M. YOUSUF

LYCHON

Microsoft: Thyssenkrupp Staircase Design



Mobile IoT Platform

Inspecció
d'infraestructures

IP67

Microsoft: Sarcos Guardian G



Microsoft: Fleet Board



Manteniment,
optimització d'actius

Gestió de Contractes
de Transport

Tetra Pak / Microsoft

“New generation of Digital Technologies to Boost Efficiency for Food Manufacturers”



- Connected Workforce
- Advanced Analytics
- Connected Solutions

Tetra Pak / Microsoft

“New generation of Digital Technologies to Boost Efficiency for Food Manufacturers”



- Connected Workforce
- Advanced Analytics
- Connected Solutions

Tetra Pak / Microsoft

“New generation of Digital Technologies to Boost Efficiency for Food Manufacturers”



- Connected Workforce
- Advanced Analytics
- Connected Solutions

What is a platform anyway?

Siemens: Mindsphere



MindSphere
Transforms data into knowledge.
And knowledge into measured
business success.

MindApps open up new possibilities, allowing you to use your asset data to create added value.



The open cloud operating system from Siemens, MindSphere is a centerpiece of a powerful IoT ecosystem with data analytics and connectivity capabilities, tools for developers, applications, and services. It helps to evaluate and utilize your data and to gain breakthrough insights. Drive the performance and optimization of your assets for maximized uptime.



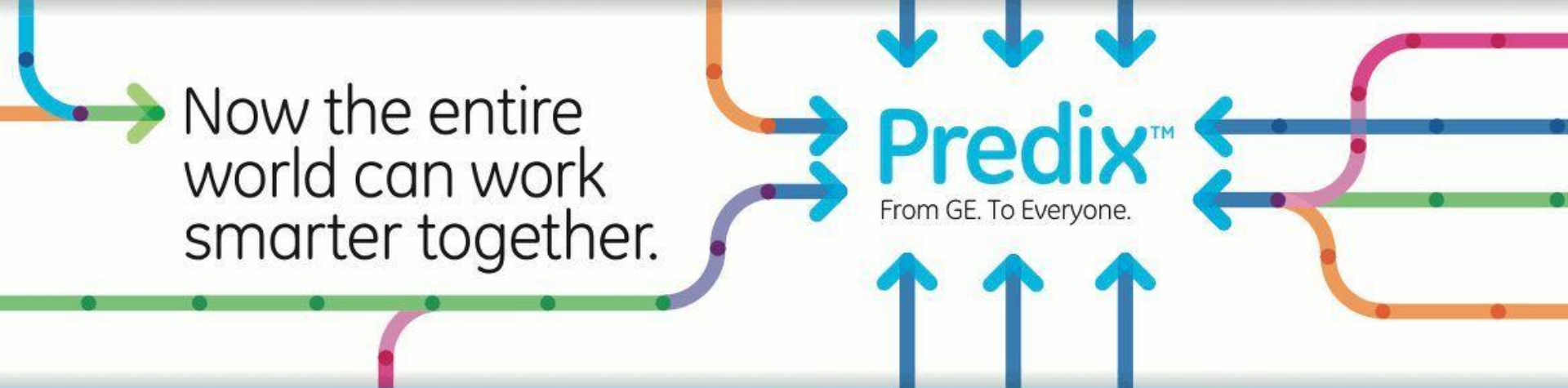
MindSphere, the open IoT operating system from Siemens. For the digital transformation of companies regardless of industry or size. Implementable within a very short period of time.

Connect your asset to MindSphere – directly, easily, and scalable – with MindConnect, our connectivity solution from Siemens



Open application interfaces for individual customer applications

- MindApps & 3rd Party Apps
- IoT Open Cloud ecosystem
- MindSphere: Open IoT Operating System
- Connectivitat d'actius: MindConnect



Now the entire world can work smarter together.

Predix™
From GE. To Everyone.

Any machine. Any vendor. Any vintage.

Today, GE's Predix™ software platform can connect industrial assets from any vintage or vendor to the cloud and to each other. That means whether or not you use other GE products, you can benefit from the asset performance management (APM) and operations optimization that Predix makes possible. What's more, Predix can be used as a platform to build apps for any industry or sector—by customers, OEMs, developers, anyone. Now, businesses ranging from automotive to agriculture to buildings can run smarter and more profitably with Predix.

Predix Platform Technology

Go

Industrial Big Data

Go

Software-defined Machines

Go

The Industrial IoT Platform

Connecting Edge to Cloud, Operator to Analyst

Get Started

UPDATED REFERENCE APP

The Ref App UI and Predix UI Seed have been combined into a single app with numerous enhancements.

ANSWERS TO YOUR PRICING QUESTIONS

We answer your most common questions about Predix pricing and account management.

VISIT US AT THE CLOUD FOUNDRY SUMMIT

Find us at Cloud Foundry Summit in Santa Clara, CA. We will demo Predix live and answer your questions about Predix and Cloud Foundry.

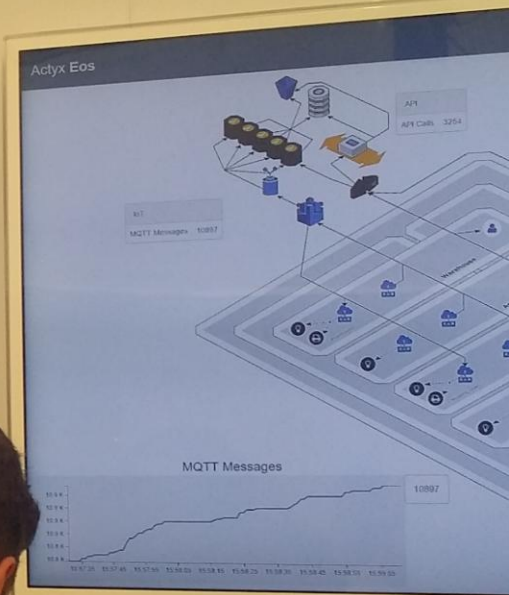
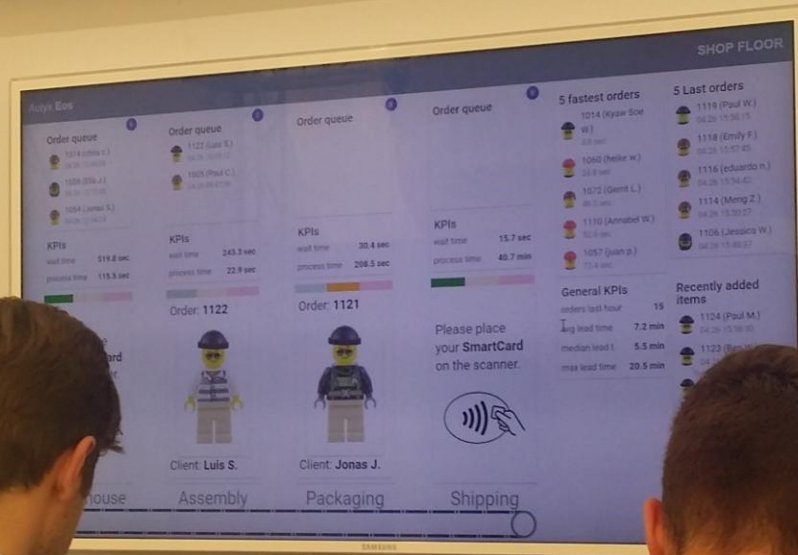


amazon
web services

actyx

User-Centric Connected Shop Floor

Actyx's proven technology empowers your people in your factory. Actyx Eos manages and supports man and machine with real-time production data and enables an accurate 360° overview. The Actyx Ada platform easily integrates shop-floor systems and brings all relevant data together, manages and provides secure access to it. Actyx thus enables the perfect interplay between man, machine and material, increasing value-add productivity and reducing IT-complexity. For better quality, delivery reliability and high customer satisfaction. Experience this today!



2. Assembly

3. Packaging

Help is at hand

- Most of the big players in the Industry 4.0 space are now running innovation initiatives such as workshops and assistance in pilot projects to help customers identify and obtain value from industrial digitalization





Example – Production Performance workshop

Content and your take-aways

5

Your use case


Brainstorming based on plant visit, discussions and maturity analysis of system landscape


Identification of challenges and potential benefit

Pre-selection and first specification of at least one feasible and promising use case

Take-aways

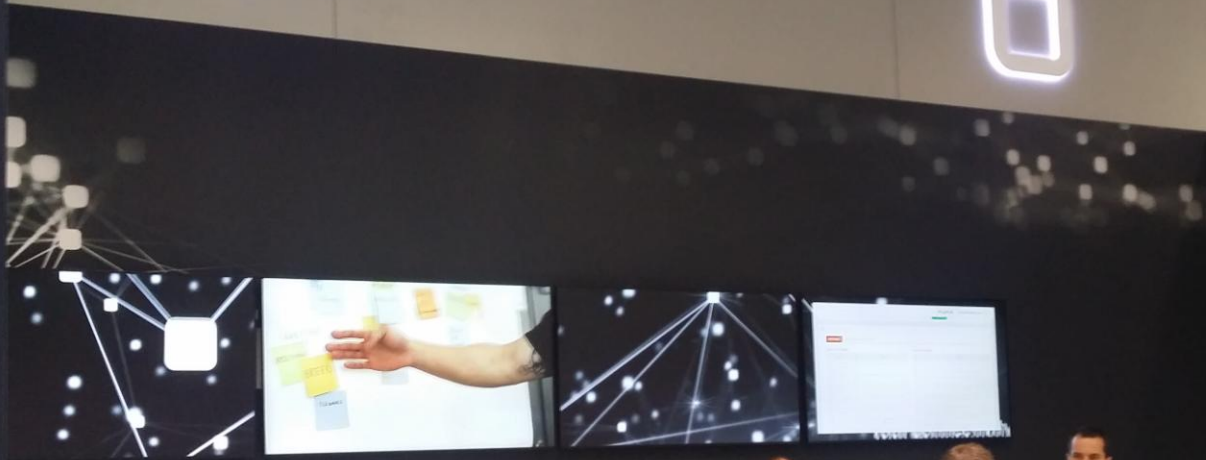


 **BOSCH**

 Home



connycun



connycun



Big Data & An

Manufacturing & SW Ecosystem

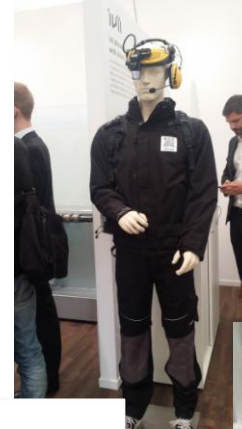
Take aways

JABIL



Process

PREDIX



(Service Industries)

Platform Economy



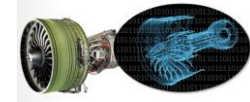
Microsoft Azure

Products



Business Models

Innovation





The manufacturing of the future is human-centered, efficient, adaptive, and interconnected.



ELOI LOUGHLIN RAPALINO



Shoei NXR Lunar Motorcycle Helmet XS Red (TC-1)

Shoei Nxr lunar TC 1 casco de moto de seguridad casco de fibra de "y" Aim
"Organic Multi Fibra en diferentes capas para una stoßabsorbierende
www.amazon.es

Check this out: Shoei NXR Lunar Motorcycle Helmet XS Red (TC-1) Shoei

https://www.amazon.es/dp/B00SMYQRS0/ref=cm_sw_r_wa_awdb_LNdmzbSHT0QR1

17:59

I like this one, what do you think?

18:00



ELOI LOUGHLIN RAPALINO



Shoei NXR Lunar Motorcycle Helmet XS Red (TC-1)

Shoei Nxr lunar TC 1 casco de moto de seguridad casco de fibra de "y" Aim
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17:59

I like this one, what do you think?

18:00

Looks good. Go ahead!

18:02 ✓✓

WhatsApp



- Sold to Facebook for \$19.000 M in 2014
- At time of sale:
 - 450 million monthly active users
 - Growth: 1 million users per day
 - 55 employees (32 engineers)

Tu pedido de [Amazon.es](#) Shoei NXR Lunar Motorcycle Helmet XS Red (TC-1)

To: Michael Loughlin,

Reply-To: auto-confirm@amazon.es



[Mis pedidos](#) | [Mi cuenta](#) | [Amazon.es](#)



Confirmación del pedido

Pedido nº [404-8771536-8369968](#)

Hola Michael Loughlin I Verónica Rapalino:

Gracias por tu pedido. Te mandaremos otro e-mail cuando enviemos tu(s) producto(s). La fecha estimada de entrega se indica a continuación. Visita [Mis pedidos](#) en [Amazon.es](#) para consultar el estado de tu pedido o realizar cambios.

Entrega:

Viernes, 9 de junio

Tu opción de envío:

Premium Envío 1 día

Tu preferencia de envío:

Enviar a medida que estén disponibles

Detalles del pedido



Tu pedido se enviará a:

Eloi Loughlin

Detalles del pedido

Pedido nº [404-8771536-8369968](#)

Digital Twins

amazon



Loughlin
Rapalino Family

Moltes Gràcies!

michael.loughlin@engineers.net