

For VIVA TECH 2023



VIVA JUNE 14-17
2023 PARIS
TECHNOLOGY
Join Europe's Biggest Startup and Tech Event!

FactoVia Shaping the new circular industry



April 2023

v4.0.Viva23

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FactoVia is a renowned company specialized in Industry 4.0.

We offer comprehensive solutions to help industries optimize their processes and achieve significant cost savings, while also improving their environmental impact.

We offer comprehensive solutions to industrials, professors and training centers.

Our key offering is the innovative training mini-factory that provides a hands-on approach to learning. Mastering the use cases (the “WHY”) before diving into the technologies (the “HOW”).





Meet the Visionary behind FactoVia's Industry 4.0 solutions

//

With a Mechanical Engineering degree and a Master of Science IT in Artificial Intelligence, I have extensive knowledge and experience in these fields since 2000.

Recognized as a cloud and IoT expert in 2014, I created FactoVia to help industries transition to a modern circular industry. Our comprehensive Industry 4.0 solutions optimize operations, reduce costs, and increase efficiency with real-time insights and actionable data.

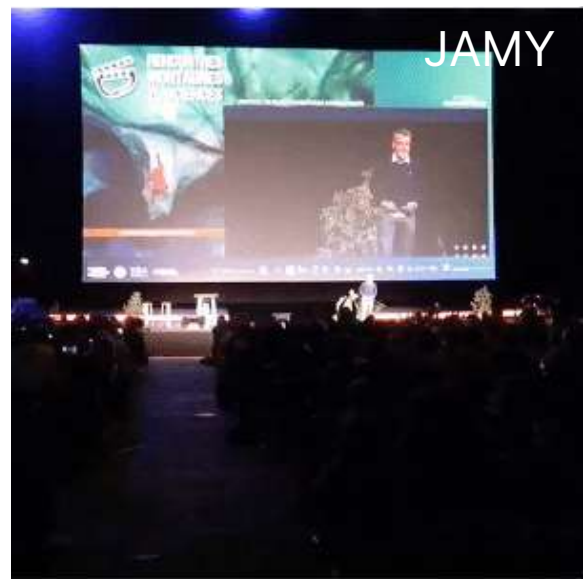
I understand the challenges businesses face in manufacturing and am passionate about helping them overcome them with innovative solutions. Let me help you embrace the power of Industry 4.0 and transform your operations today. //

Vincent Thavonekham
Our CEO



Our Vision : train differently, as Jamy did in France for the last 30 years !

- Non conventional approach
- Bring the knowledge to everyone
- It's proven to work since 1993, with 559 episodes : make kids dream, entertain, share passion across generations (parents, kids, students...)



All 1,472 1,253 115 88

Lien : https://www.linkedin.com/posts/jamygourmaud_un-moment-inoubliable-merci-%C3%A0-lassociation-activity-7002705134195458048-vE0I

Dec 2022



~ 1993



Senior strategic board

Thierry Daneau

Connected-factory worldwide expert, Renault-Nissan-Mitsubishi



Godfather

Maritxu Goyhetché

Engineer, former Managing Dir. R&D in aerospace. Innovation auditor for European Union



David Alonso

CEO macentrale.fr
Former Manager amazon.fr
Supply chain expert



Estelle Auberix

CEO IOKELA
Serial entrepreneur, multi-award security & IoT expert



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Our new world



Shortages

- COVID masks
- Microprocessors
- Food
- Energy
- Manpower
- etc, ...

x10 increase

Price of energy

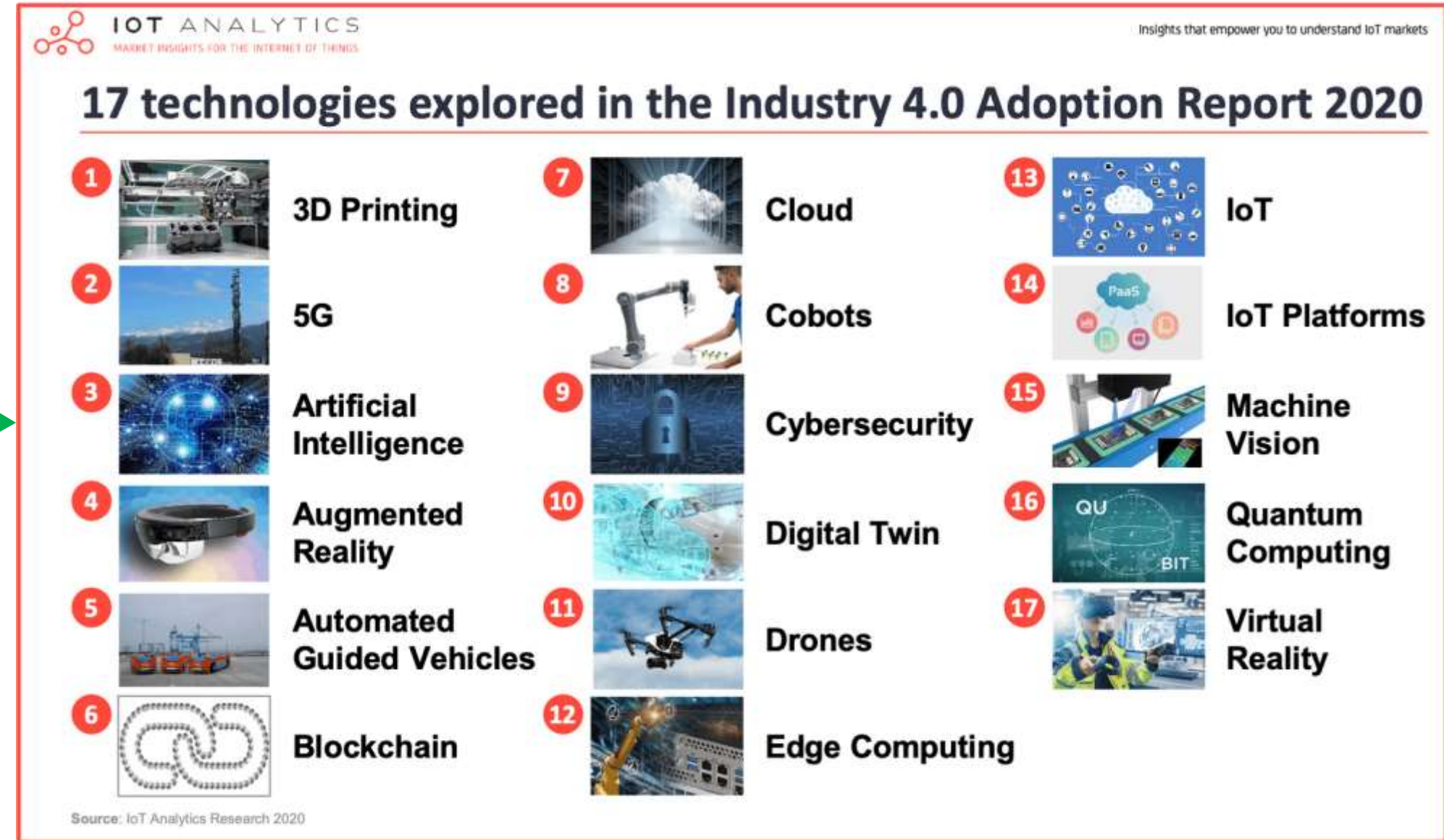
1 out of 4

Companies are closing or are considering it

Source : MEDEF, oct 2022

**PROBLEM : Complex & hard to understand situations.
Don't want to invest**

Why teach differently ?



Industry 4.0 = numerous 17 pillars and complex technologies





Solution : New ways of learning Industry 4.0 / 5.0

- ✓ Flexible “all-in-one”
- ✓ Intuitively feel by yourself : “Learn by doing”
- ✓ Immersive industrial Use Cases
- ✓ Understand the real challenges



Award winning innovation :



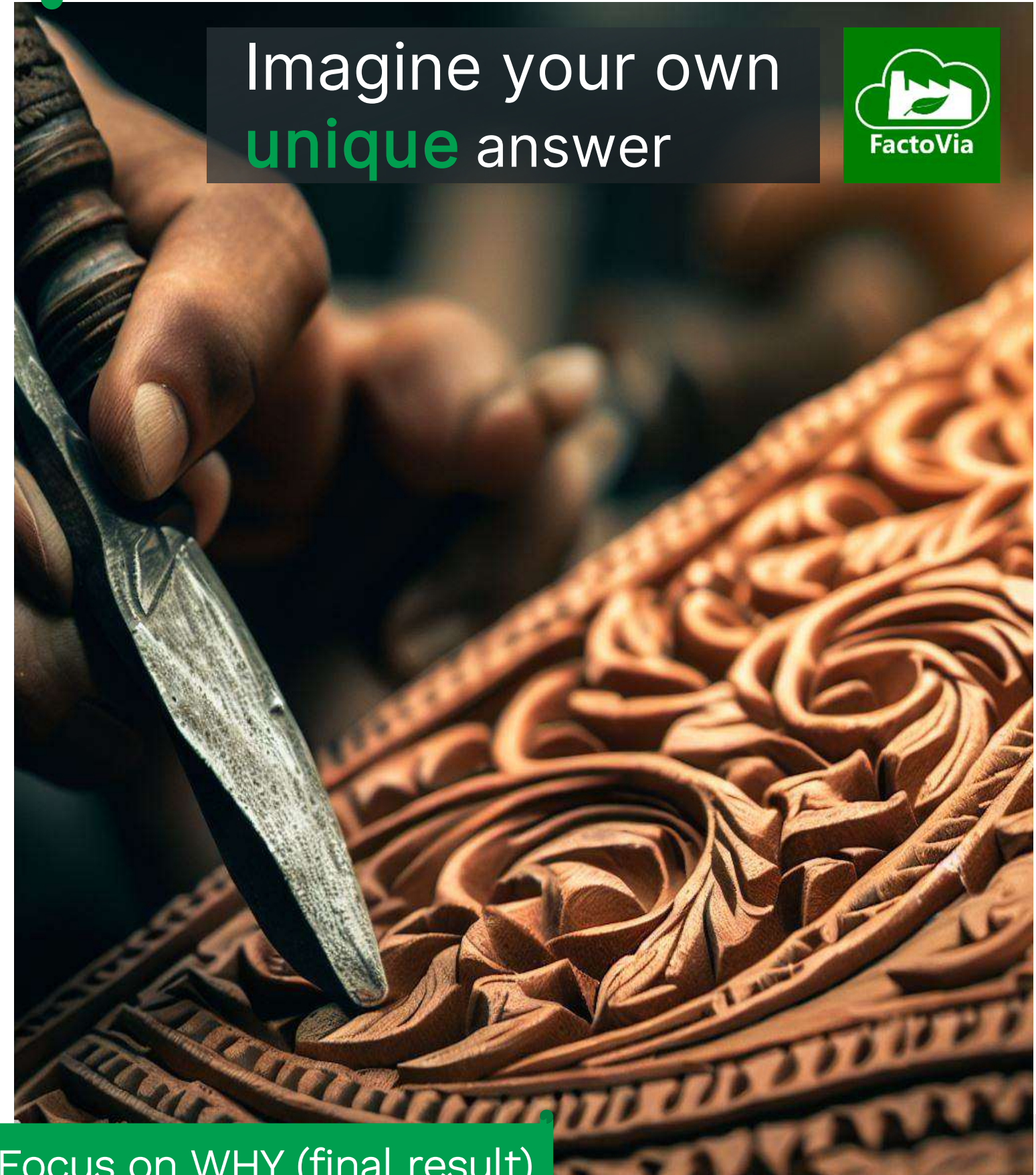
- The first innovation to make you understand ALL aspects of Industry 4.0 !
 - It is a living 3D PowerPoint
- See the **WHY (real industrial Use Cases)** and then the **HOW (complex technologies)**
- Promote in this priority : No-Code > Low-Tech > High-Tech

Usual error : rush into the WAOUW colorful technology... and fail the projects



Focus on HOW (technology)

FactoVia's approach : Manipulate to get intuitively to a systemic overview & vision



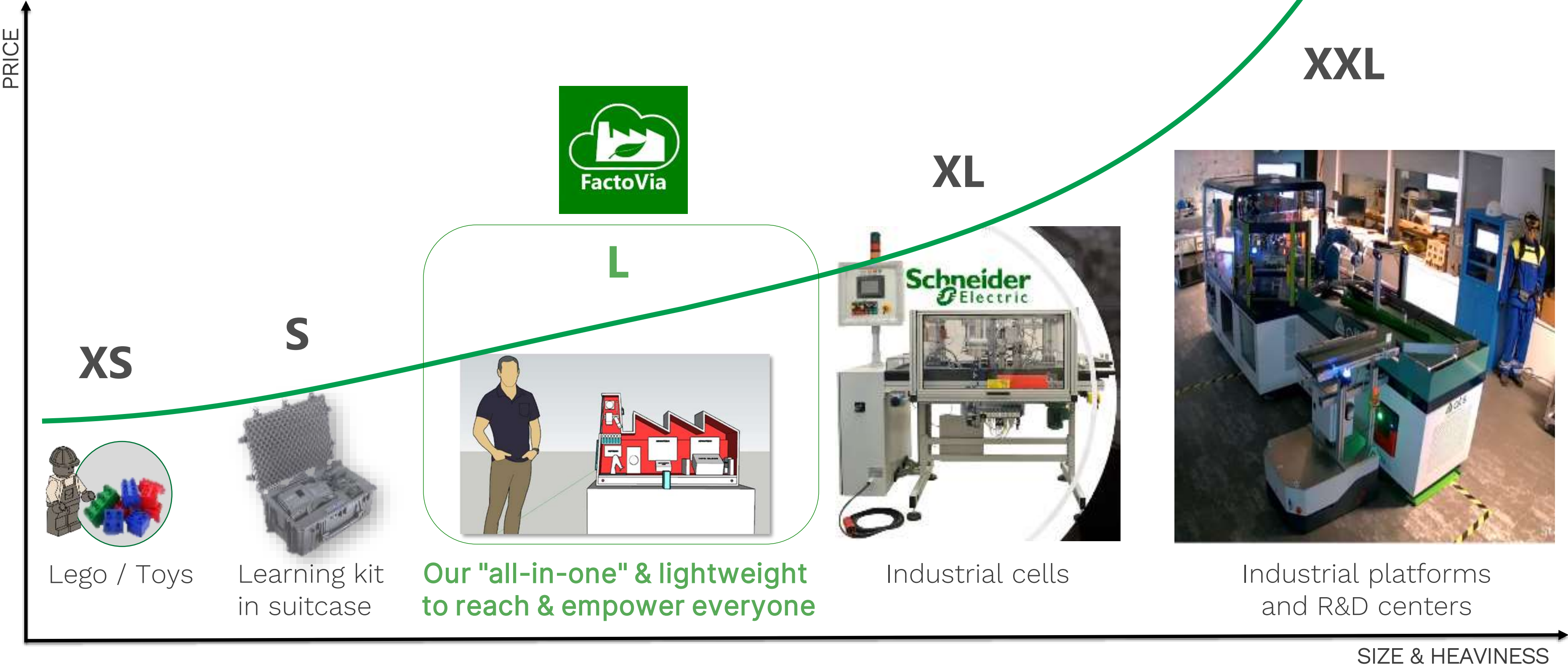
Imagine your own **unique** answer



vs.

Focus on WHY (final result)

Our unique position complements the existing solutions



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TWO TYPES OF TRAININGS FOR « FACTOVIA ONE »

For training centers and schools

- ✓ Train the students on the 17 technologies that's part of the 4.0 revolution



For professionals and industrials

- ✓ Audit, reports and roadmap
- ✓ Democratizing / Keynotes / workshop
- ✓ Implement into production



For industrials 360° offering: from A to Z



1

FREE : 4.0 training & audit

2

Summary & Roadmap

3

Help implementing
into Production

4

Option : Support and follow
up in production

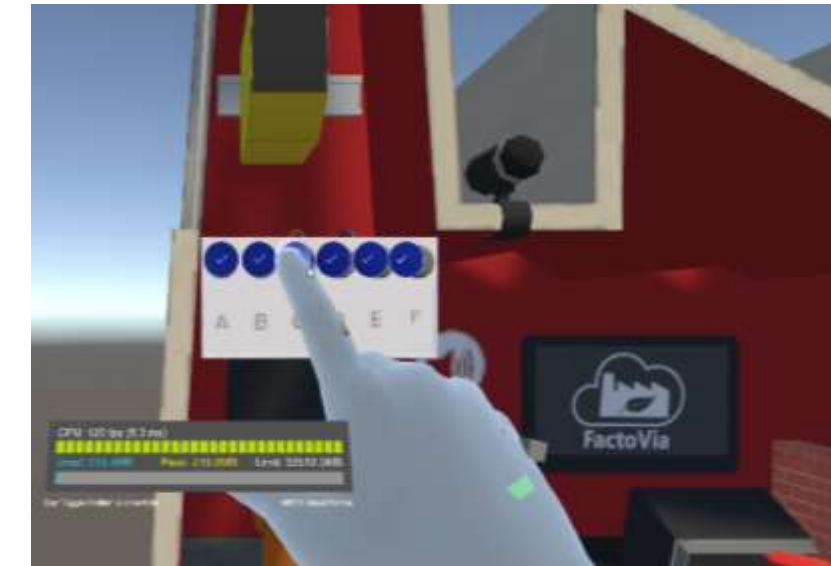
1

FREE : 4.0 training & audit

Plug-in, that's ready !

« Learn by doing » to discover and manipulate Use Cases extracted from real factories

Dec 2022: Carrousel du Louvre
Microsoft ENVISION

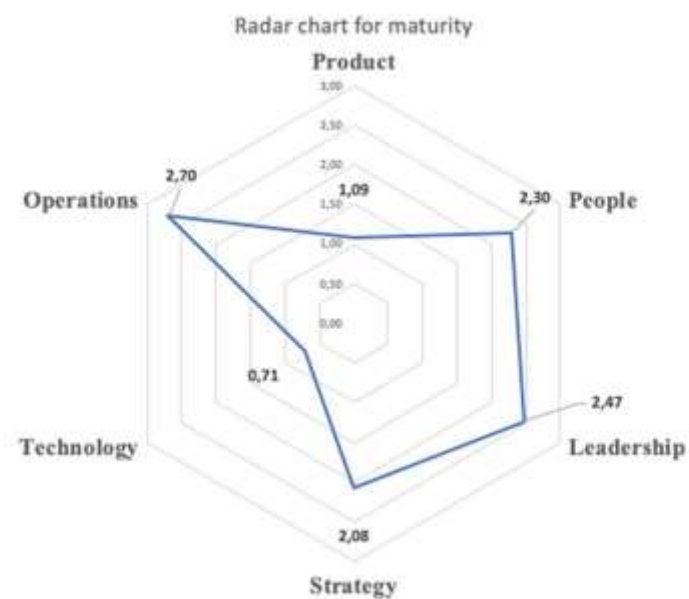


via <https://www.factovia.tech>

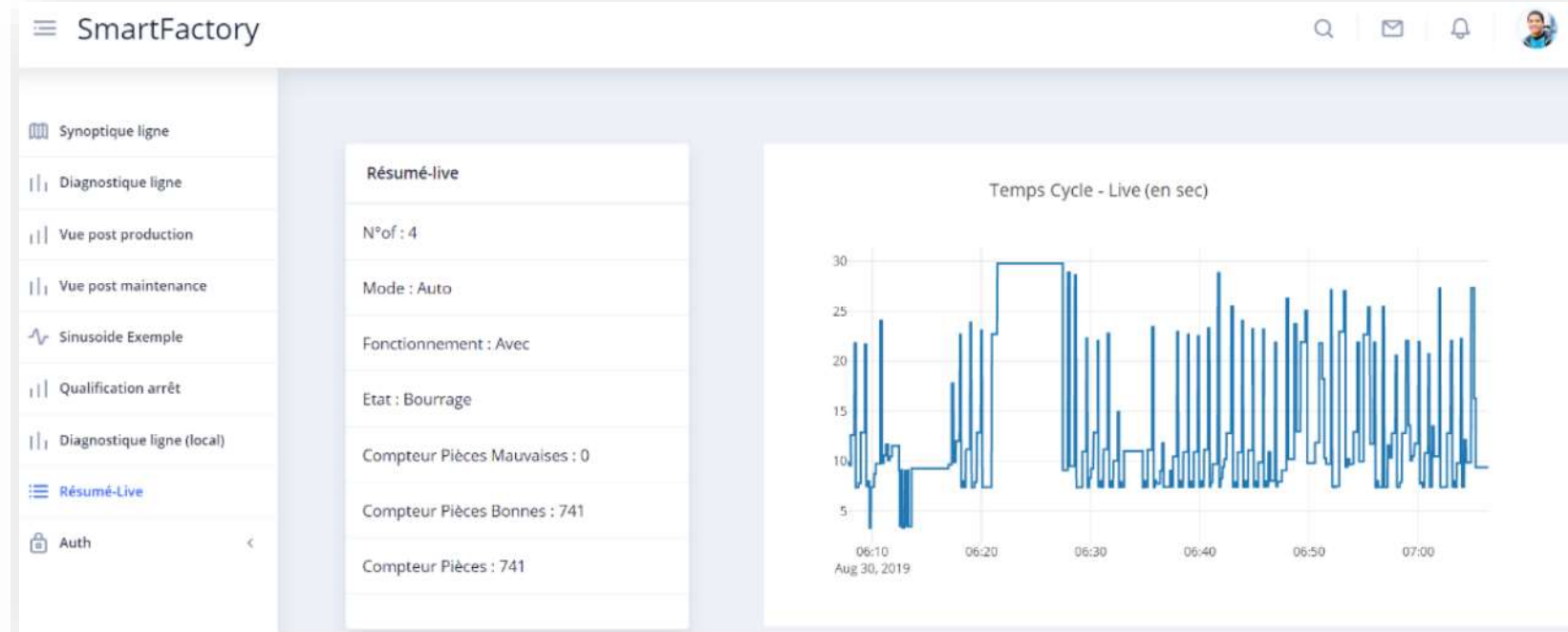
Help deploying into real factories

To speed up the transformation, without being left alone, and benefits from collective Return of Experience

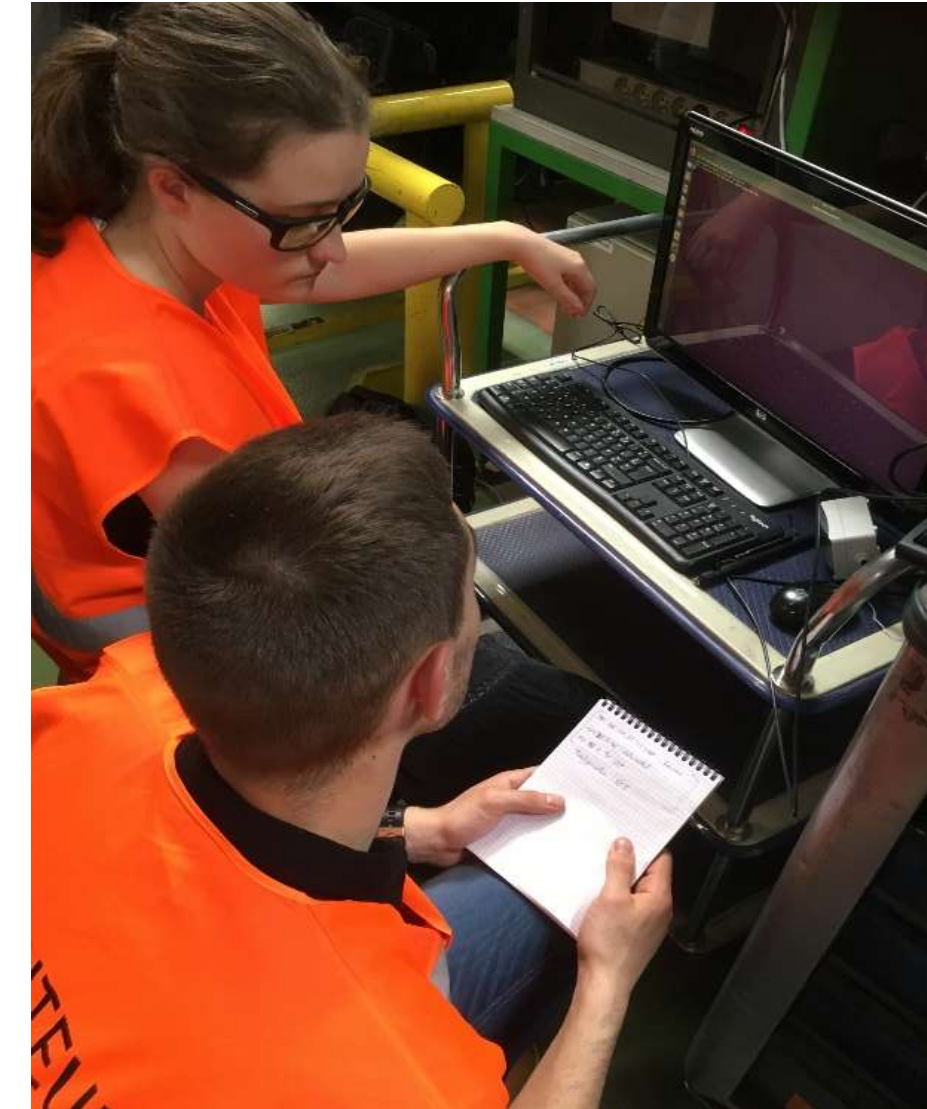
2 Summary & Roadmap



3 Help implementing into Production



4 Support and follow up in production



DIAGBOX : how to measure on existing sites ?

CONFIDENTIAL



Energy measurement



Non intrusive sensors

Low consumption equipment

CONFIDENTIAL



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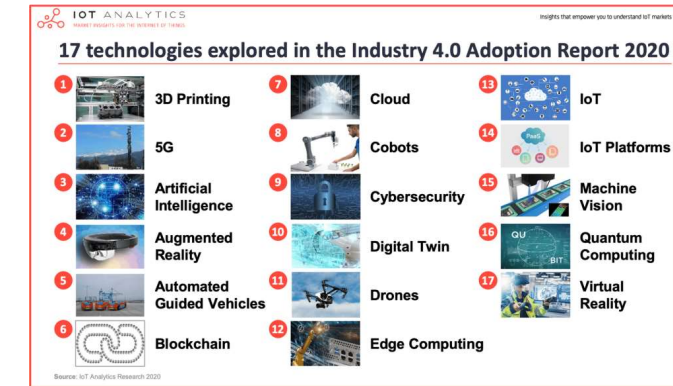
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Under the hood : Explain all tech !

To understand technical complexities and imagine other Use Cases for 4.0 / 5.0 factories



Comprendre le futur avec l'IA et le Digital Twins

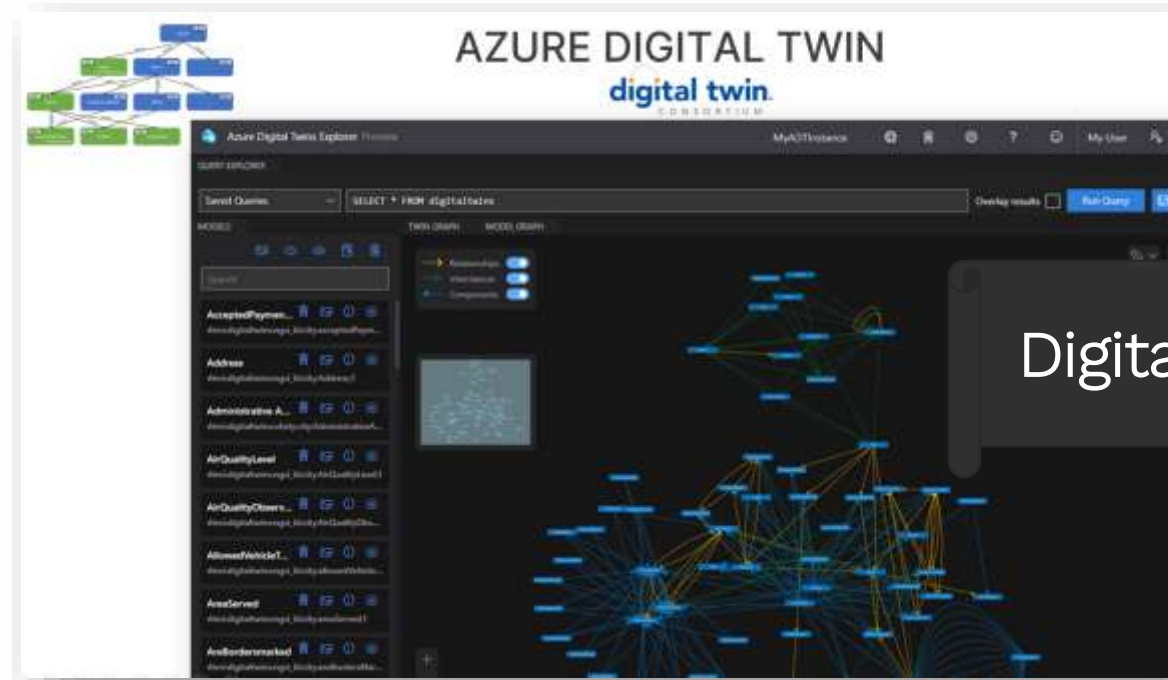
Artificial Intelligence

Hier eqCO2: 98

Aujourd'hui eqCO2: 76

Demain hypothèse 1 eqCO2: 55

Demain hypothèse 2 eqCO2: 89



Digital Twin

IoT Industriel, OPC UA, Cloud, MQTT...

Au fait, ça m'aide en quoi l'IoT Edge ?

Complex Central

IoT Edge + Cloud

Augmented Reality

Help deploying showrooms

To speed up the transformation, without being left alone, and benefits from collective Return of Experience

- ✓ FactoVia is designing Industry 4.0 for INDULO, with a focus on Green manufacturing
- ✓ INDULO : 200 m² pedagogical micro factory
- ✓ Topic : Biking and green transportation

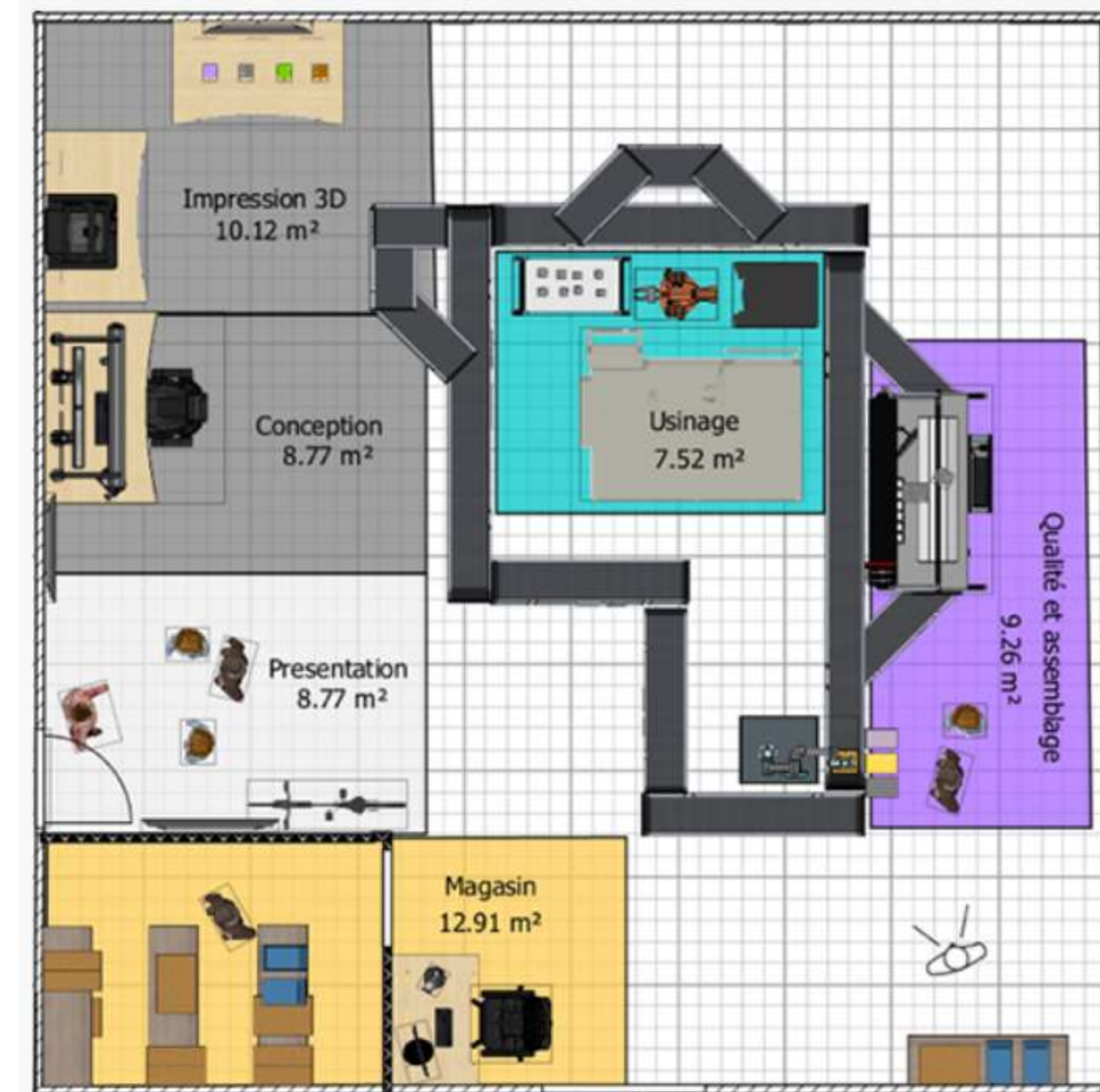


GRAND LYON
la métropole

INSA INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
LYON

UNIVERSITÉ
DE LYON
Lyon 1

STÄUBLI



Source : <https://www.insa-lyon.fr/fr/actualites/demonstrateur-pour-sensibiliser-jeune-public-l-industrie>

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Sharing to other industrials



Rija Rakotoarisoa

POCLAIN is an industrial manufacturing hydraulic engines, with 9 factories worldwide. Rija Rakotoarisoa is the group leader of Industry 4.0, and has performed the 4.0 transformation in less than a year on the entire factories. He share his success on the manufacturing.fr media.

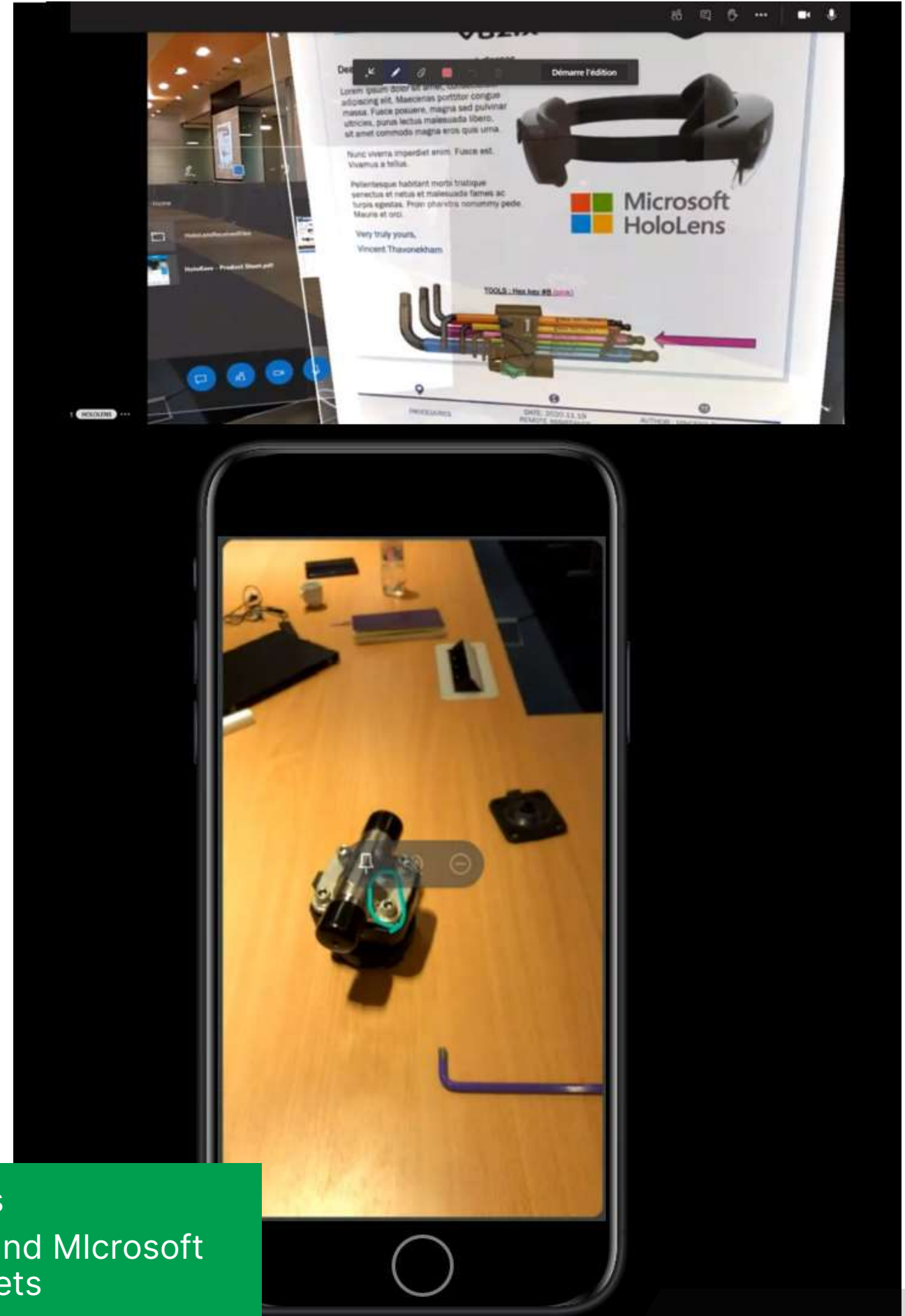
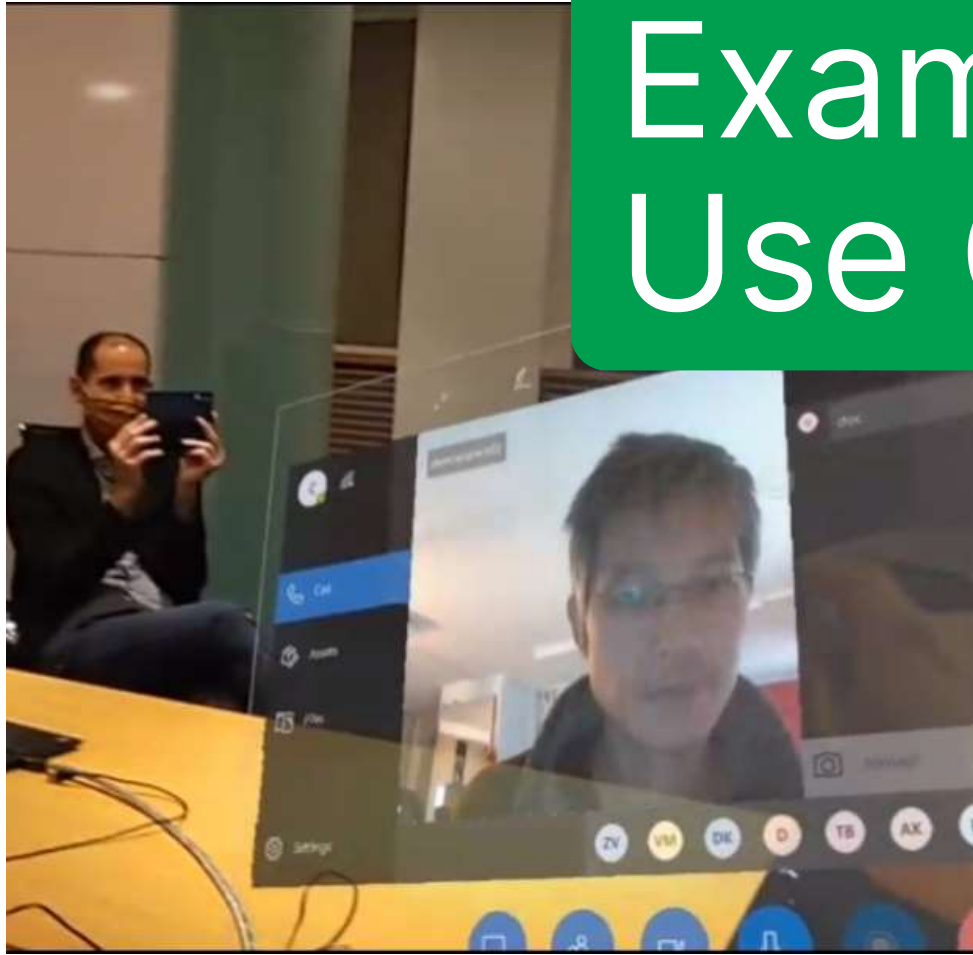
FactoVia invites POCLAIN to the prestigious worldwide Microsoft event at the Louvre : Microsoft ENVISION (Dec 2022). Microsoft organized many official guided tours to VIP executives so that they can get trained with our pedagogical training material (LaPoste, Loréal, Alstom, Sames, ...)



Keynote in POCLAIN Headquarter



Example of Use Cases



- Digital 3D Twin of factory and robots
- Remote Assistance with holograms and Microsoft HoloLens, or smart phone, or Headsets
- Augmented operator and training with 3D headsets

Our solutions are used and deployed widely



Our solutions are used and deployed widely



Let's change together the bad image of the industry !

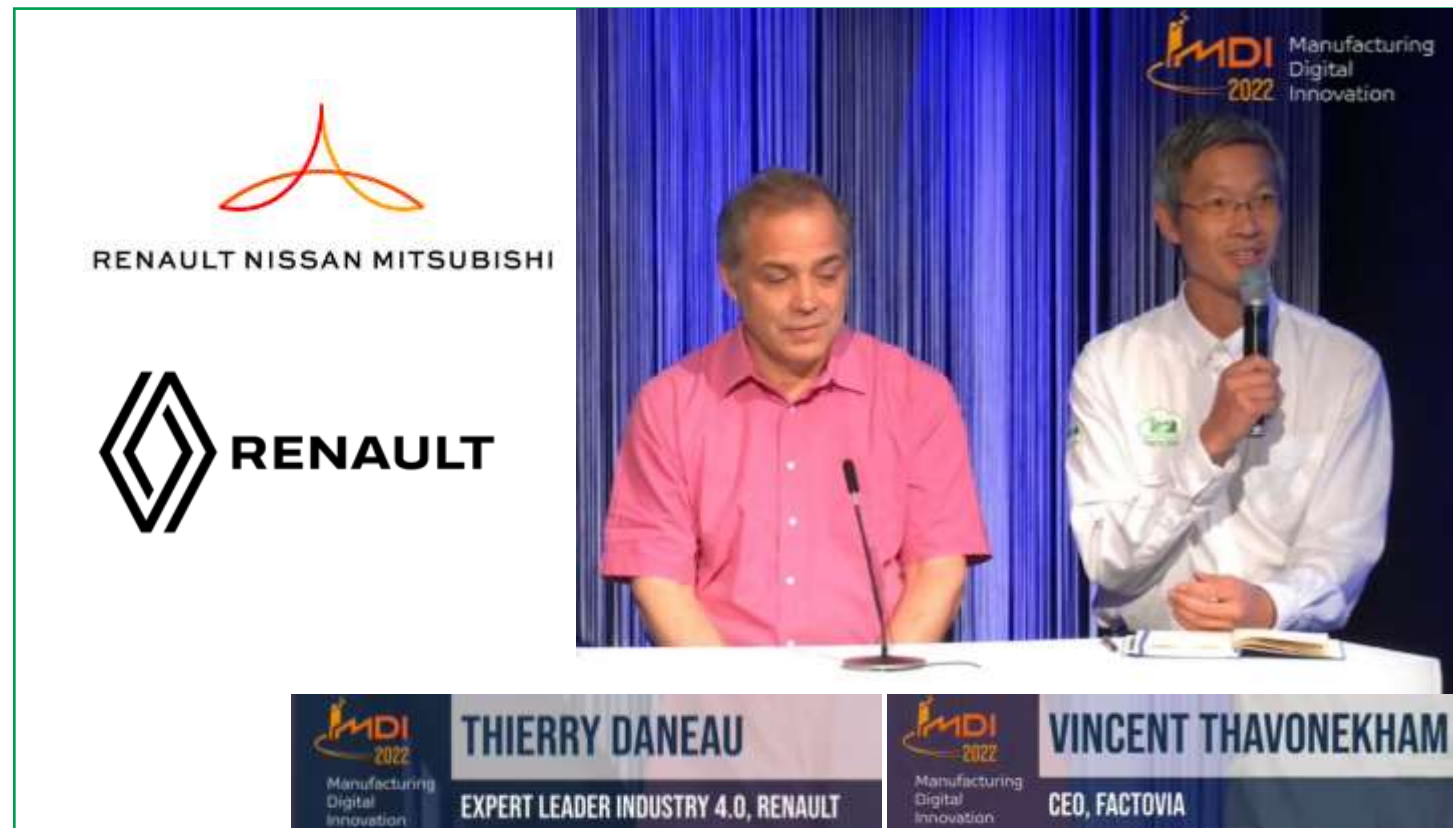
FactoVia One, recognized as to be unique and innovative.
Selected by BPI France to promote Industry #France2023

- 8000 km BIG TOUR
- 28 cities/town visited
- 6 months travel
- massive live concerts



Vincent Thavonekham, CEO FactoVia, it is also...

... a recognized expert and speaker in Cloud, agility, IIoT and Industry 4.0 with worldwide presence and numerous medals, both as individual and as a team leader



Individual medals from Microsoft worldwide



- Expert Cloud Azure MVP (yearly from 2015 to 2022)
- Expert IoT : IoT MVP in 2022, given to 42 individuals worldwide (only 4 in France)
- Microsoft Regional Director (limited to 200 individuals WW)
- Top 5 best French technical pre-sales on Azure Cloud



Team leader medals from Microsoft



- Best French partner in IA (2017), and Cloud IoT / Edge (2018)

Actual CTO of AXA worldwide : 1st Agile project in 2008

Vincent led a 2 digit million \$ with successful delivery, that became the foundation of the current Agile AXA Manifesto



TV aux USA, Channel 9



2018 : Paris Grand Palais des Congrès : 4000 people + 120 000 in remote



Thank you !

Vincent Thavonekham

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