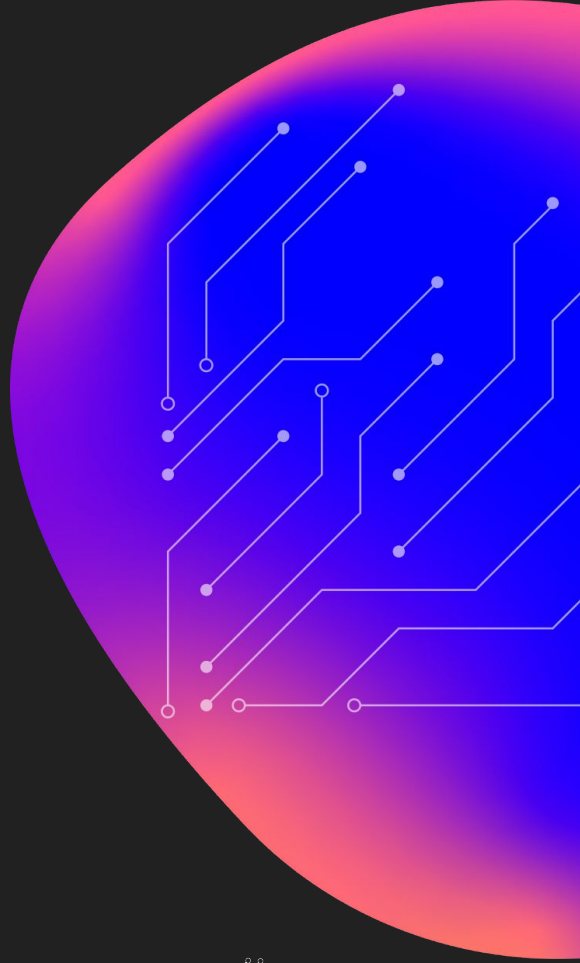
DABOHN

DIGITAL & AI TRANSFORMATION

The Hybrid Operating System

The Problem

Talent and Skill Shortage



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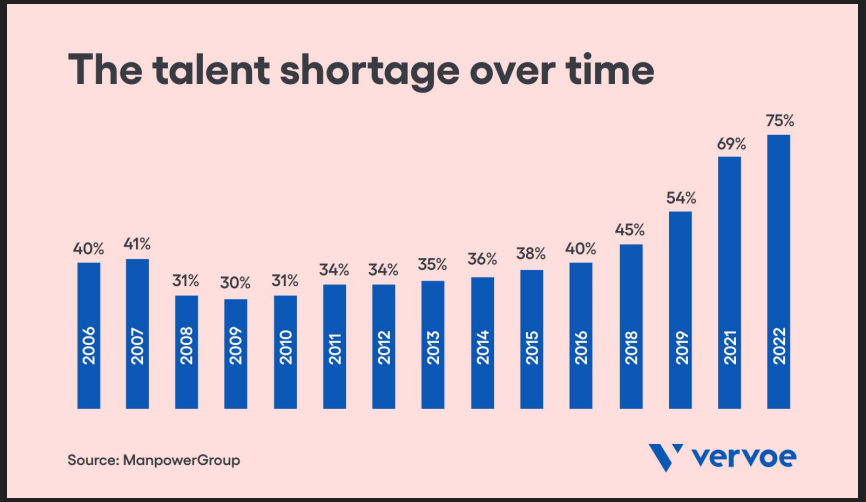
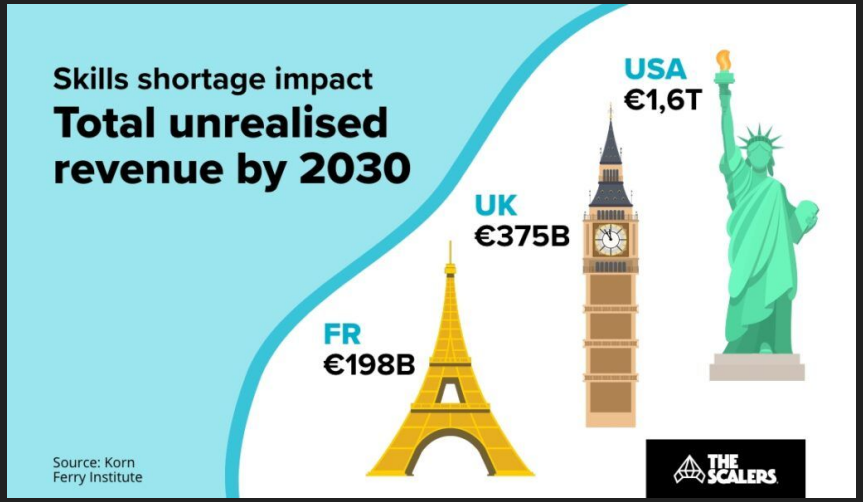

The talent shortage over time
40%
41%
31%
30%
31%
34%
34%
35%
36%
38%
40%
45%
54%
69%
75%
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2018
2019
2021
2022
Source: ManpowerGroup
vervoe


Skills shortage impact
Total unrealised revenue by 2030
USA
€1,6T
UK
€375B
FR
€198B
Source: Korn Ferry Institute
THE SCALERS

Why Dabohn?

The Hybrid Operating System that solves the skill shortage

Human resources

There is a lack of rights candidates, skills and talents

Difficult to mine data

Data is often not captured and historicised, but when it is, it is not designed and therefore value can not be extracted

Lack of AI

Models today need large amounts of data, which is often not available, except for social networks, large retailers or e-commerce.

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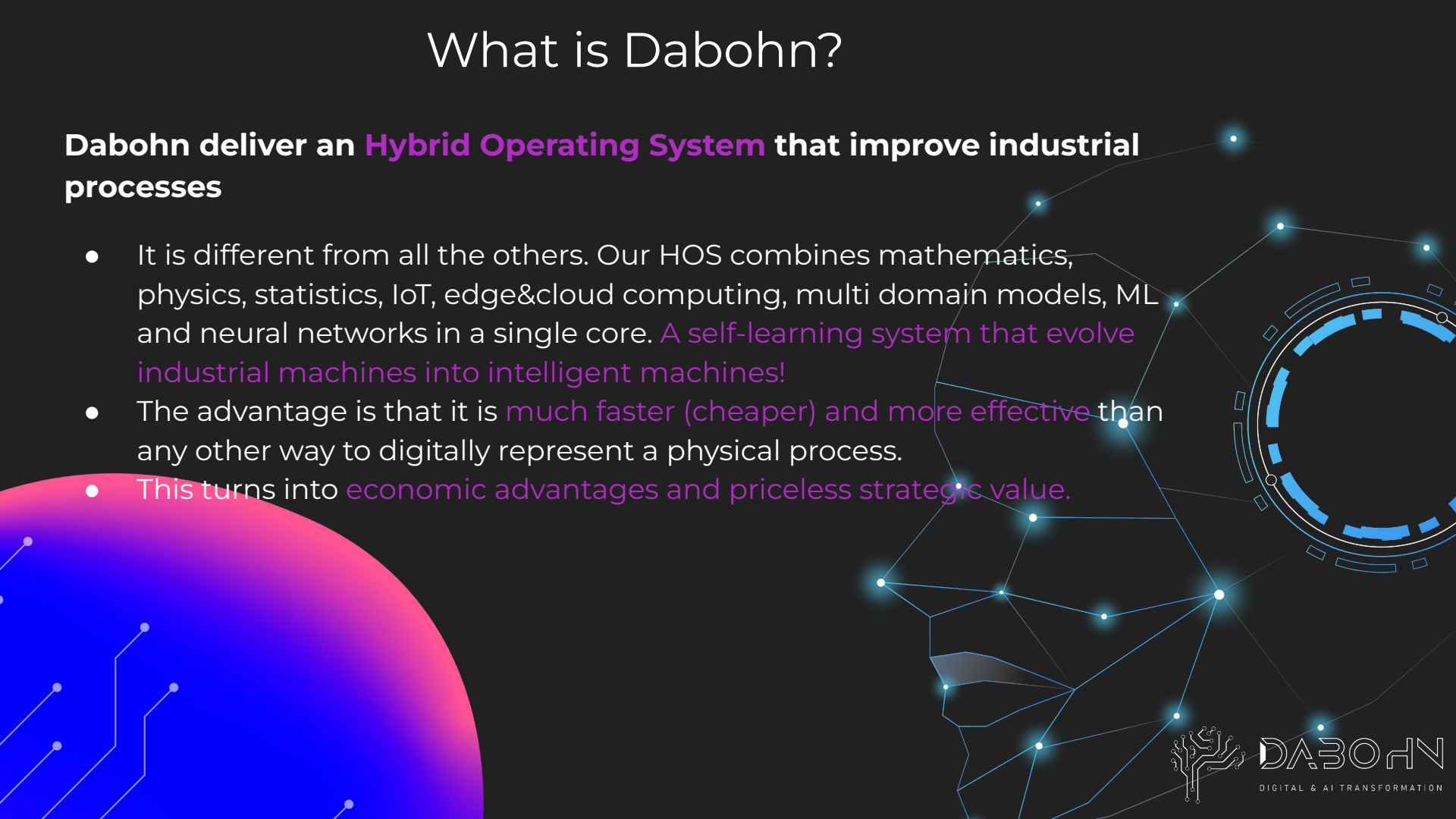
What is Dabohn?

Dabohn deliver an Hybrid Operating System that improve industrial processes

- It is different from all the others. Our HOS combines mathematics, physics, statistics, IoT, edge&cloud computing, multi domain models, ML and neural networks in a single core. A self-learning system that evolve industrial machines into intelligent machines!
- The advantage is that it is much faster (cheaper) and more effective than any other way to digitally represent a physical process.
- This turns into economic advantages and priceless strategic value.



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Dabohn benefits

Our **HOS think and acts 24/7** like an experienced human

AI operator

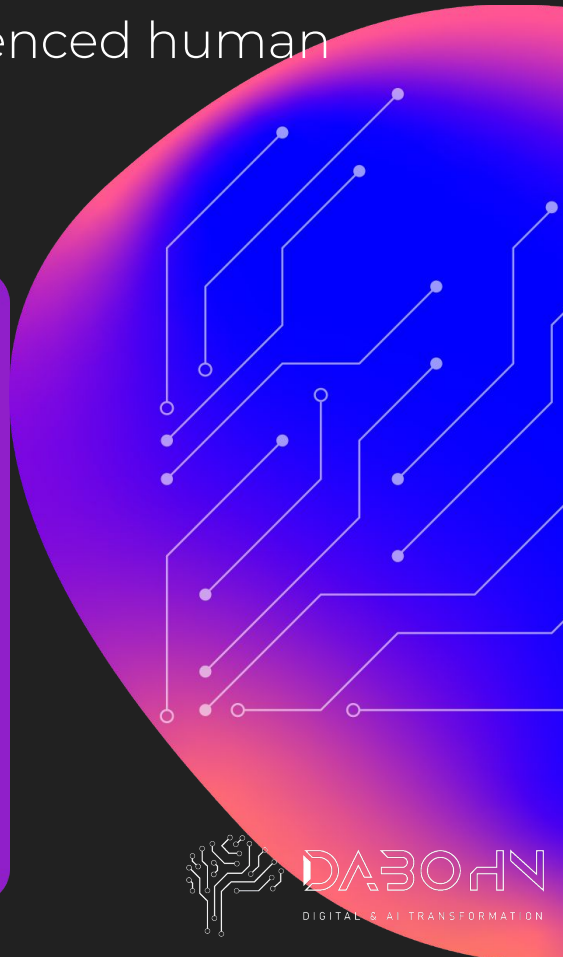
that acts autonomously to control the process and alert the relevant personnel in advance

Machines learn

and support operators in finding the best process settings, building solid and valuable company data assets

Cost effective

to perform virtual simulations and to prevent anomalies thanks to predictive / prognostic analysis



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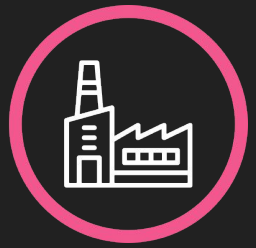
Product use case & benefits

Wastewater treatment & reuse:

- Remote wastewater analyzer: Edge HW+SW for early pollutants identification. Opex reduction wastewater treatment plant
- Dissolved oxygen control in wastewater treatment plants: PoC ongoing for advanced control. Opex reduction expected

Hydrological risk management for flash floods:

- Riverbed excavation workers early warning system
- Civil protection and first responders early warning system developed together with end-user for maximum customization & impact
- Prediction of ground effects: under development



MFG:

- Machine that learn from skilled operators, on flexible packaging OEM
- Autonomous robotics for grinding and welding: Product PoC ongoing
- Predictive and smart control for industrial chillers: Product PoC ongoing

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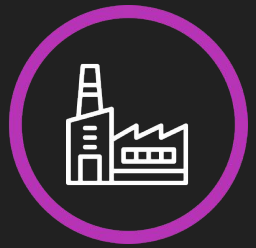
How we work



Operating System installation
One-off cost

Dabohn Yearly fees
Maintenance, bug fix, continuous AI model training, support.

Impact for our technology adopters:
OEE improvement > 10%
Opex reduction > 15%
Knowledge retention - priceless

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What does our system do over time?

Learn and act!

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Our Team

Digitalization pioneers, entrepreneurs, researchers and public administrators

Andrea
Tagliaferri
CEO & CoFounder

Massimiliano
Cravedi
AIoT & CoFounder

Raffaele
Veneziani
Legal & CoFounder

Paolo
Garetti
CFO & CoFounder

Mattia
Torta
CTO

Tommaso
Delfanti
COO

Elisa
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