



MADE IN EUROPE 2026

ONLINE PITCHING



LET'S SHAPE THE FUTURE OF
MANUFACTURING TOGETHER!

23 June 2026



PAOLO GALLI
Product & Innovation Manager



1. We offer our expertise in Manufacturing to unfold opportunities
2. HSD is a Lighthouse Plant for Zero Defects Manufacturing
3. The proposed topics are all relevant to REAL company missions

AEROSPACE – AUTOMOTIVE – CONSUMER ELECTRONICS – WINDOWS & FURNITURE

HSD - MECHATRONICS:

2ND LARGEST ELECTROSPINDLE MANUF. IN THE WORLD



HSD S.p.A.
Gradara, Italy



Established: 1991
Turnover: 70 Mln€ W.Wide
People: 290

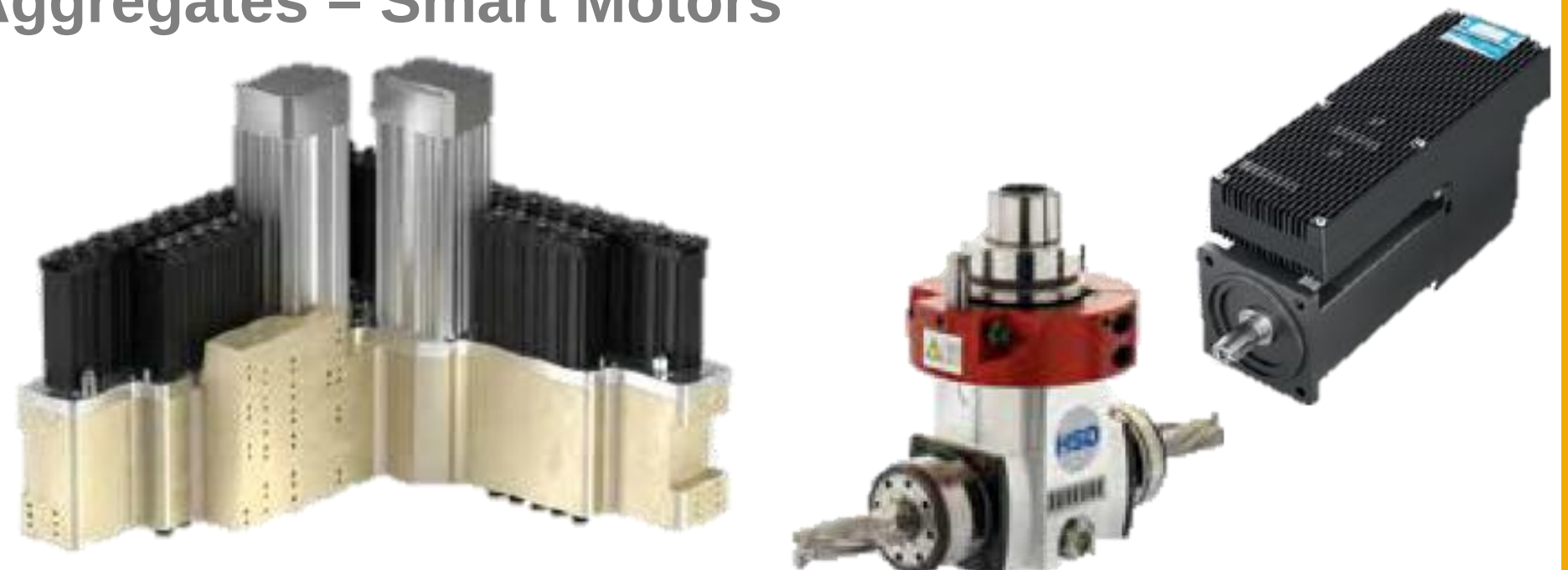
AEROSPACE – AUTOMOTIVE – CONSUMER ELECTRONICS – WINDOWS & FURNITURE

Components for Machine Tools (OEM only)

Electrospindles – Milling Heads



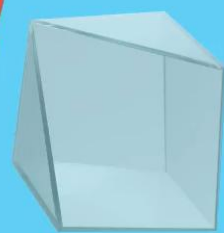
Boring Heads - Aggregates – Smart Motors



Wood



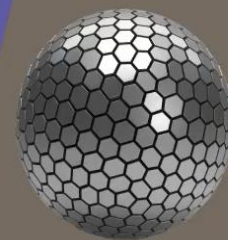
Stone



Glass



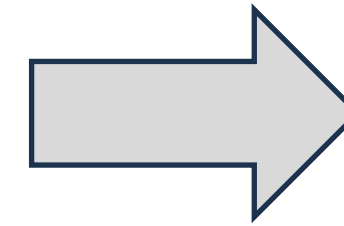
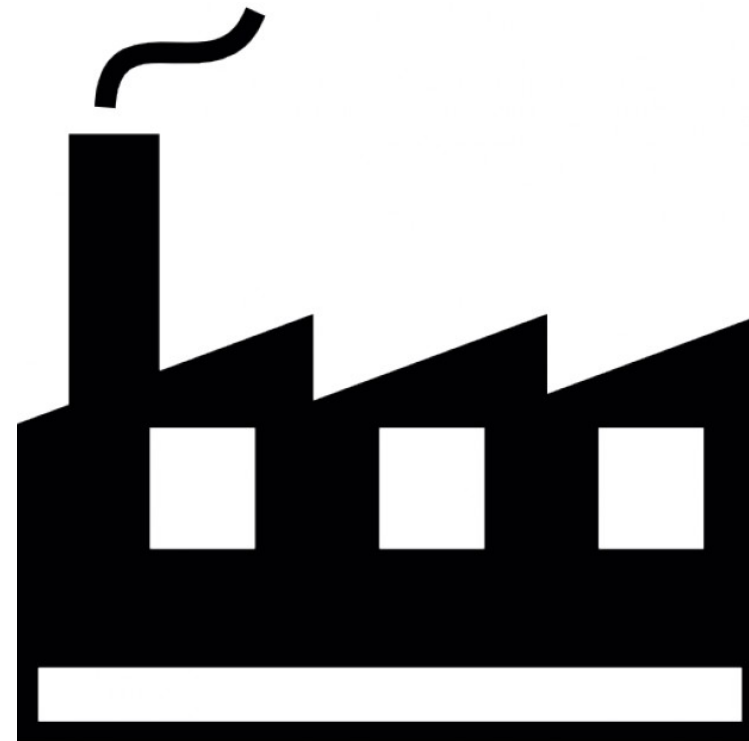
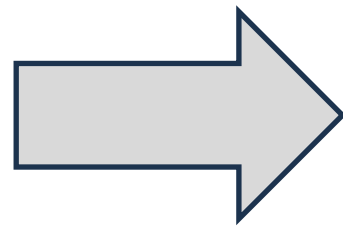
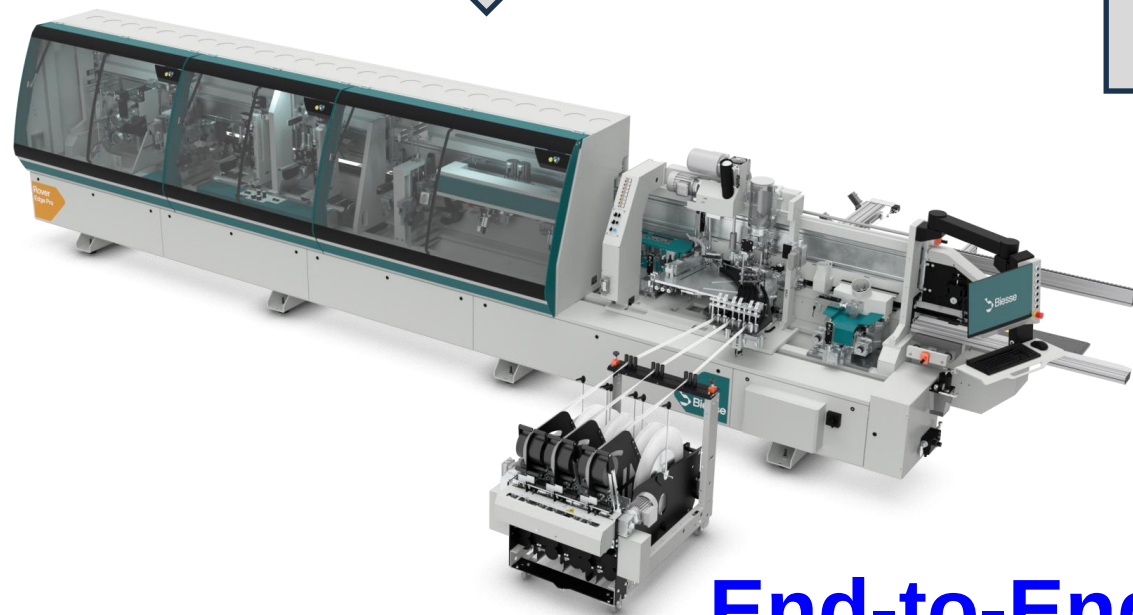
Materia



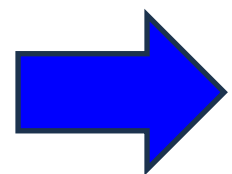
Metal

Electrospindle → **Machine Tools** → **Factory** → **Goods manufacturing**

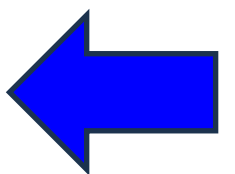
(Components)



End-to-End supply chain knowledge and control all over Europe!

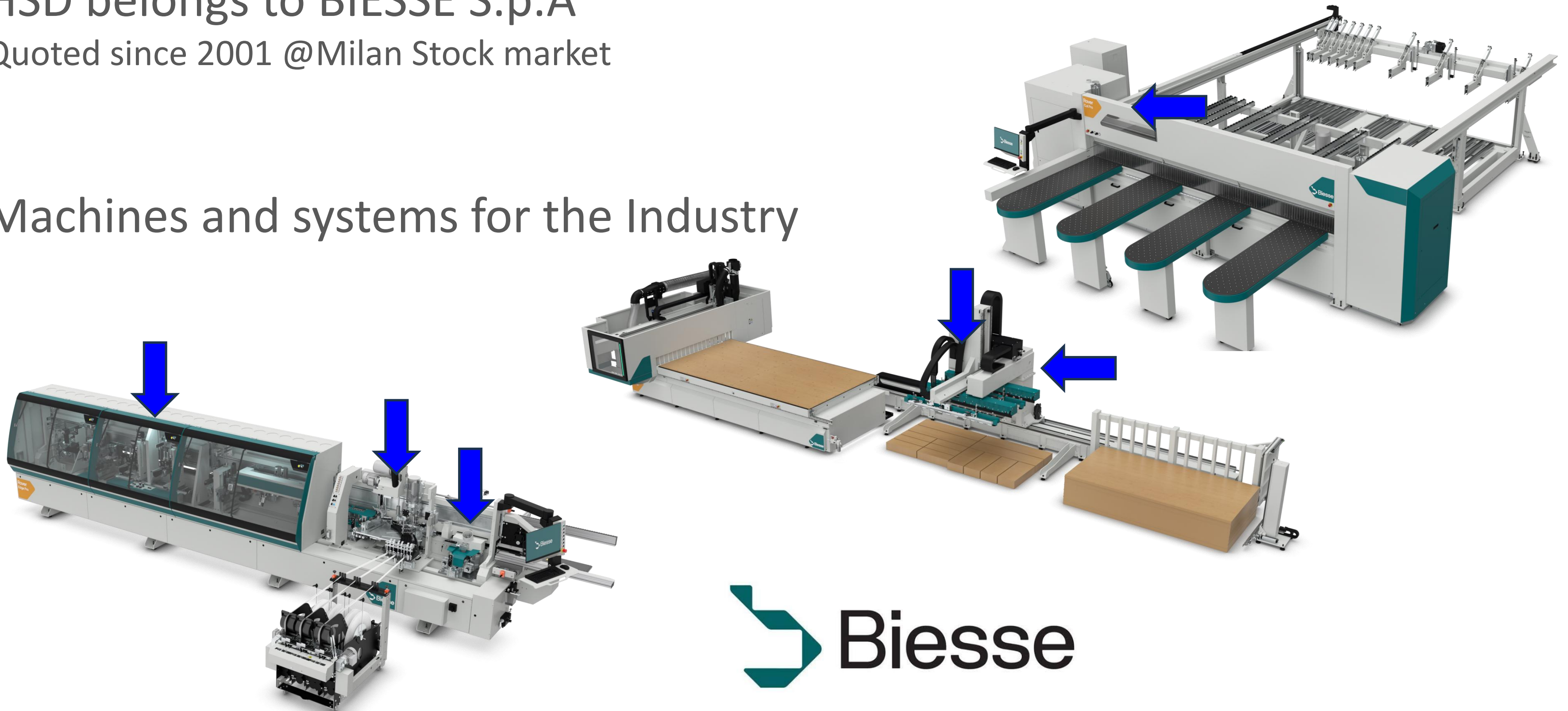


It helps to find the right industrial partner in the proper Country!



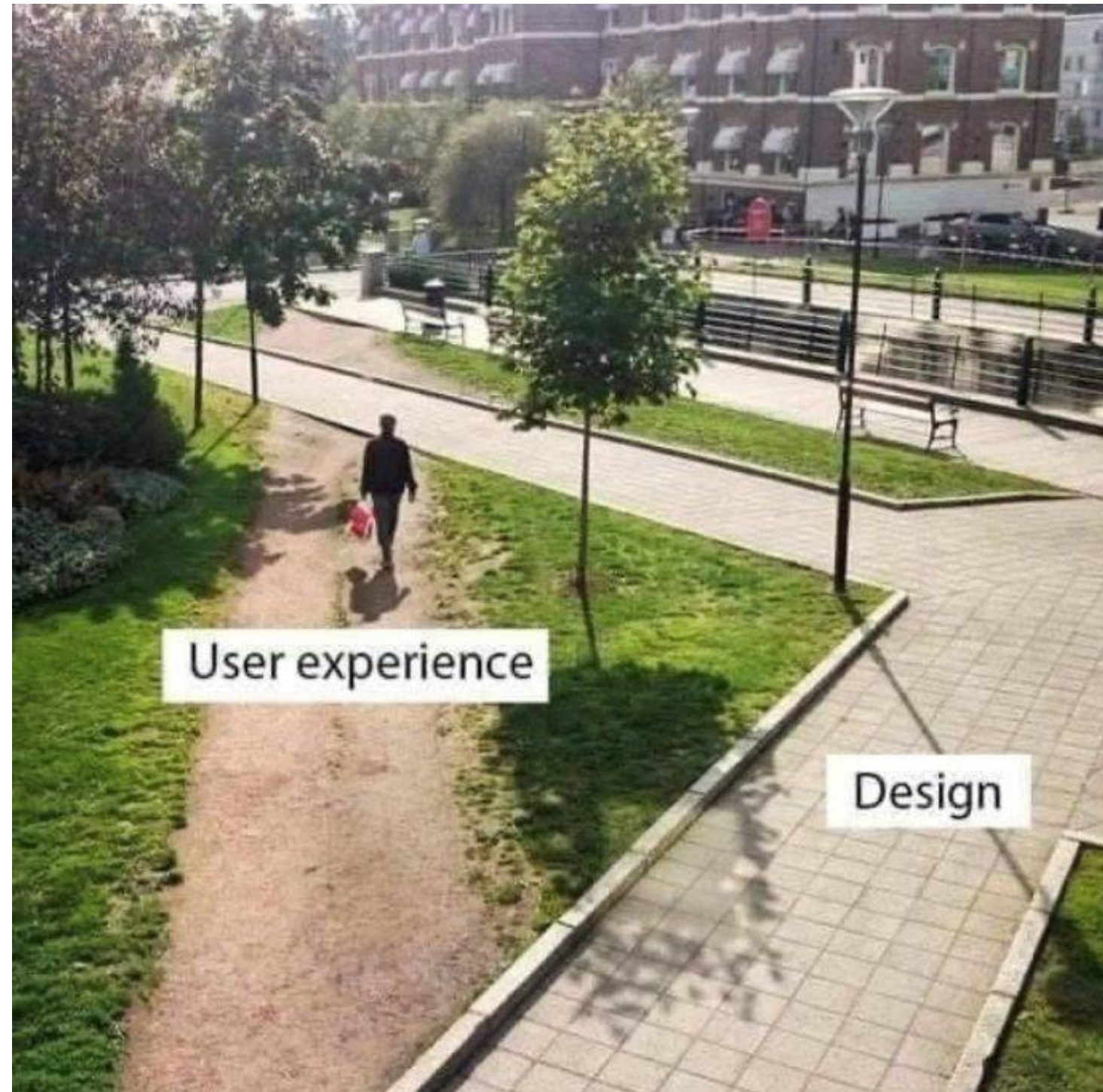
HSD belongs to BIESSE S.p.A
Quoted since 2001 @Milan Stock market

Machines and systems for the Industry



BRIDGING the gap between research outcomes and industrial adoption

If this happens...



...Something went wrong!

BRIDGING the gap between research outcomes and industrial adoption



What we bring to a consortium	Value
Industrial Use Cases	Real manufacturing challenges
Validation Environment	TRL increase in real conditions
Industrial Data	Access to production data and processes
Product Development	Exploitation and industrialisation
Task/WP Management	Method, patience and perseverance

BRIDGING the gap between research outcomes and industrial adoption

1. European R&I Experience

- I4Q
- ZDMP
- ECOREFIBRE
- Electrospindle 4.0
- Assiomi
- Intelligence 5.0
- Cotanec

3. Proven Exploitation Capability

- Smart electrospindles
- Connected products
- Industrial IoT services
- Cloud-based monitoring
- Predictive maintenance solutions

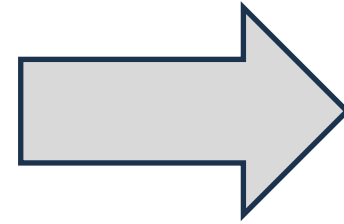
2. Industrial Validation Environment

- Production plants & Assembly lines
- Test benches
- Industrial products
- Real customers and use cases
- End-to-end supply chain across Europe

Large-Scale Digital Transformation

- Product & Factory digitalisation
- Industrial IoT platform development
- Data collection and analytics infrastructure

Calls TOPICS
on Feb. - March 2027



HORIZON RIA + IA + CSA
Detailed list FOLLOWS

Best HSD role in projects:

- Industrial pilot
- End-user
- Validation environment
- Use case

Edge Cloud Infrastructure



Geared to Company Missions

AI Data Processing



AI Driven Robotics

Proof of Market

**Raw material rare earth
processing**

De & Re-Manufacturing

**Advanced Manufacturing
for Key-products**

Digital Emerging

CALL TOPICS of Interest for HSD (page 1 of 2)



27-A	New approaches for decentralized, federated and sustainable AI data processing (RIA)HORIZON-CL4-2027-04-DATA-03 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-stage
27-B	Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption (IA) (Partnership in AI, Data and Robotics)HORIZON-CL4-2027-04-DIGITAL-EMERGING-05 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-stage
27-C	Advanced and Innovative hardware components for Virtual Worlds (RIA) (Virtual Worlds Partnership)HORIZON-CL4-2027-04-HUMAN-01 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-stage
27-D	EU Frontier AI Initiative: Developing frontier AI solutions that are safe and computationally efficient within Apply AI (RIA)HORIZON-CL4-2027-04-DIGITAL-EMERGING-11 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-stage
27-E	Demand-side 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure (IA)HORIZON-CL4-2027-04-DATA-08 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-stage
27-F	Facilitate the engagement of European stakeholders in international digital standardisation (CSA)HORIZON-CL4-2027-04-HUMAN-07 Calls for proposals Opening date: 17 November 2026 Deadline date: 18 March 2027 Single-Stage
27-H	Technologies for innovative processing of raw materials (IA)HORIZON-CL4-2027-01-MAT-PROD-16 Calls for proposals Opening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-I	Expert network on Critical raw materials (CSA)HORIZON-CL4-2027-01-MAT-PROD-17 Calls for proposals Opening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage

CALL TOPICS of Interest for HSD (page 2 of 2)



27-L	Pilot access schemes to Technology Infrastructures for European startups, scaleups and innovative SMEs (CSA)HORIZON-CL4-2027-01-MAT-PROD-47 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-M	Unlocking the potential of academic intellectual assets for industry, SMEs and startups (CSA)HORIZON-CL4-2027-01-MAT-PROD-42 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-N	Innovative advanced materials and new production processes – reducing dependencies on Critical and Strategic Raw Materials (IA) (Innovative Advanced Materials for the EU and Processes4Planet partnerships)HORIZON-CL4-2027-01-MAT-PROD-22 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-O	Factory processes and automation for de- and re-manufacturing (RIA) (Made in Europe partnership)HORIZON-CL4-2027-01-MAT-PROD-03 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-Q	Circular innovative advanced materials: facilitating the transition from design to markets (RIA) (Innovative Advanced Materials for the EU and Made in Europe partnerships)HORIZON-CL4-2027-01-MAT-PROD-06 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027
27-R	‘Proof of market’ to improve valorisation and commercialisation of Horizon generated R&I results (IA)HORIZON-CL4-2027-01-MAT-PROD-49 Calls for proposalsOpening date: 22 September 2026 Deadline date: 02 February 2027 Single-stage
27-T	HORIZON-CL4-2027-02- DIGITAL-EMERGING-52-two-stage - New approaches for Human/AI collaboration for the workforce of the future (Made in Europe and ADRA) TWO STAGE - 2 FEB e 2 SETT 2027

[HORIZON-CL4-2027-04-DIGITAL-EMERGING-05 \(27-B\)](#)

[Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption \(IA\) \(Partnership in AI, Data and Robotics\)](#)[HORIZON-CL4-2027-04-DIGITAL-EMERGING-05 | Calls for proposals](#)
[Opening date: 17 November 2026](#)
[Deadline date: 18 March 2027 | Single-stage](#)

Proposed Role in consortium:

Industrial pilot / end-user /
validation environment / Use Case

Coordinator: No

Task / WP leader: Yes

Abstract:

We Propose at least 2 applications in which the AI-Driven Robotics for Industry would fit best:

- a. **Machine shop operations related to CAD/CAM integration (05)**
- b. **Factory operations at different levels of complexity (04)**

[HORIZON-CL4-2027-01-MAT-PROD-49 \(27-R\)](#)

[‘Proof of market’ to improve valorisation and commercialisation of Horizon generated R&I results \(IA\)HORIZON-CL4-2027-01-MAT-PROD-49](#)
[Calls for proposals Opening date: 22 September 2026](#)

[Deadline date: 02 February 2027 | Single-stage](#)

Abstract:

We propose the results obtained in ZDMP:

The digital upgrade of non-digitalized machine tools, both in advanced economies, and in developing countries, to accelerate the market adoption of digitalized products by addressing key barriers to their deployment (14)

Proposed Role in consortium

Use case

Coordinator: No

Task / WP leader: Yes

[HORIZON-CL4-2027-04-DATA-03 \(27-A\)](#)

[New approaches for decentralized, federated and sustainable AI data processing \(RIA\)](#)

[HORIZON-CL4-2027-04-DATA-03 | Calls for proposals](#)

[Opening date: 17 November 2026](#)

[Deadline date: 18 March 2027 | Single-stage](#)

Proposed Role in consortium

Industrial case / Use Case

Coordinator: No

Task / WP leader: Yes

Abstract:

We Propose 3 practical applications in which AI data processing is applied in our Industry:

- a. End-to-End Optimization of Panel Cutting Operations (01)
- b. AI-Driven Optimization of Machining Trajectories and Process Parameters (02)
- c. Software Connectivity Hub for Multi-Vendor Manufacturing Environments (03)



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