A Pan-European Network of Robotics DIHs for Agile Production

www.dih-squared.eu

DIH² motivation

Agility Challenges (#Gap)	Ɔ I H² Network (#Pillars)	Project Results
#Technology gap #Investment gap	Technology Transfer Program	**Ɔ I H² Network for Robotic on Agile Production** 26 DIHs representing 26 EU countries More than 300,000 Manuf. SMEs reached 13,000 Manuf. SMEs directly reached 260 Agility Audits deployed 26 Technology Transfers Experiments [TTEs]
#Standardisation gap	Standardisation & Platforms	**Industrial Alliance for Robots Standardisation on AP** **Common Open Platform Reference Architecture for AP (COPRA-AP)** 26 Robotics-based Open Standard Enablers for Agile Production (ROSE-AP) 52 agreements with corporates for Industry adoption
#Skills & competencies gap	Skills on Agile Production	**MOOC Platform on Robotics for Agile Manufacturing** Skill Observatory 26 training plans implemented
# Ethics and security gap	Regulatory framework	**Central Services for ELS, Data Protection and Ciber-security issues** ELS, Data Protection & Cyber-security Vouchers 26 to 52 Reports on those issues

4 Pillars of DIH² Network
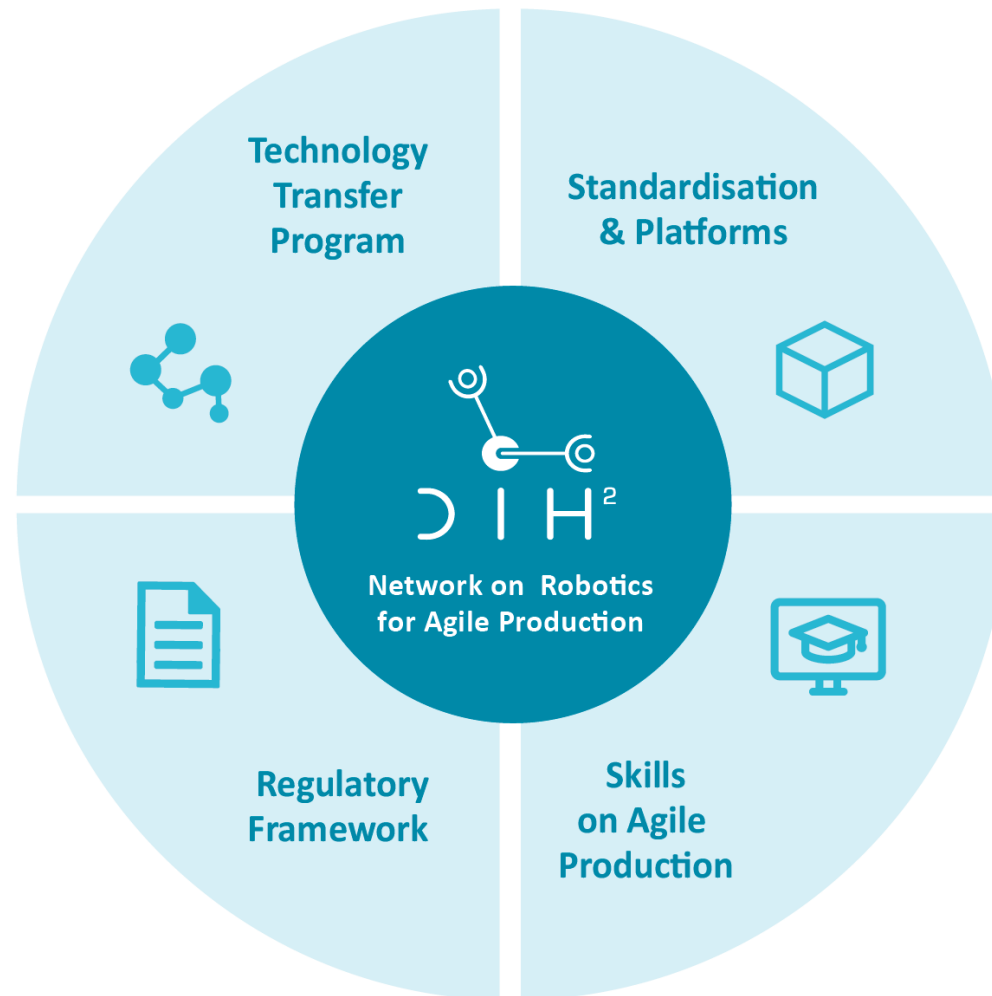
DIH² Open Calls

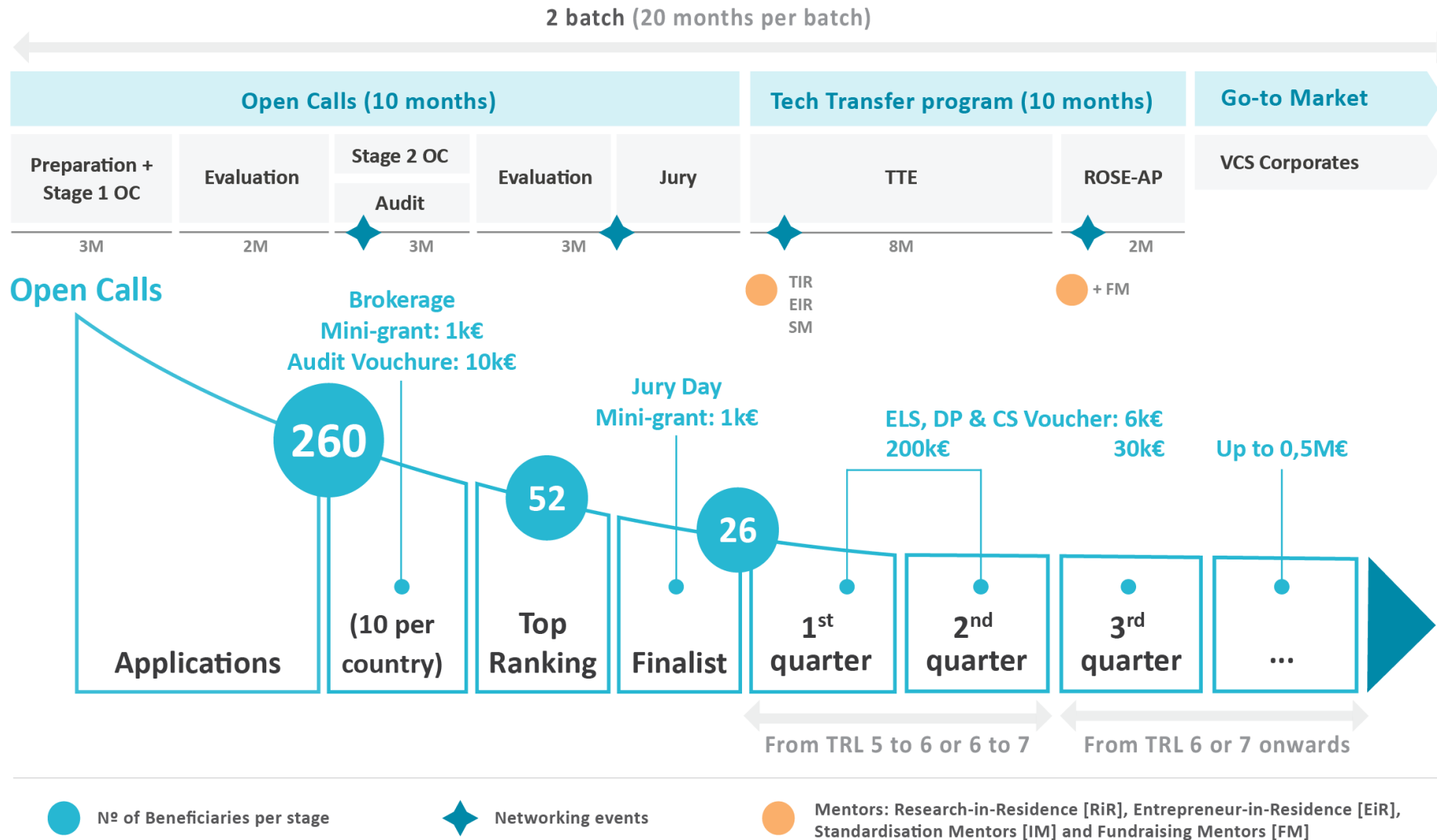## Technology Transfer Experiments
Up to 232K equity free

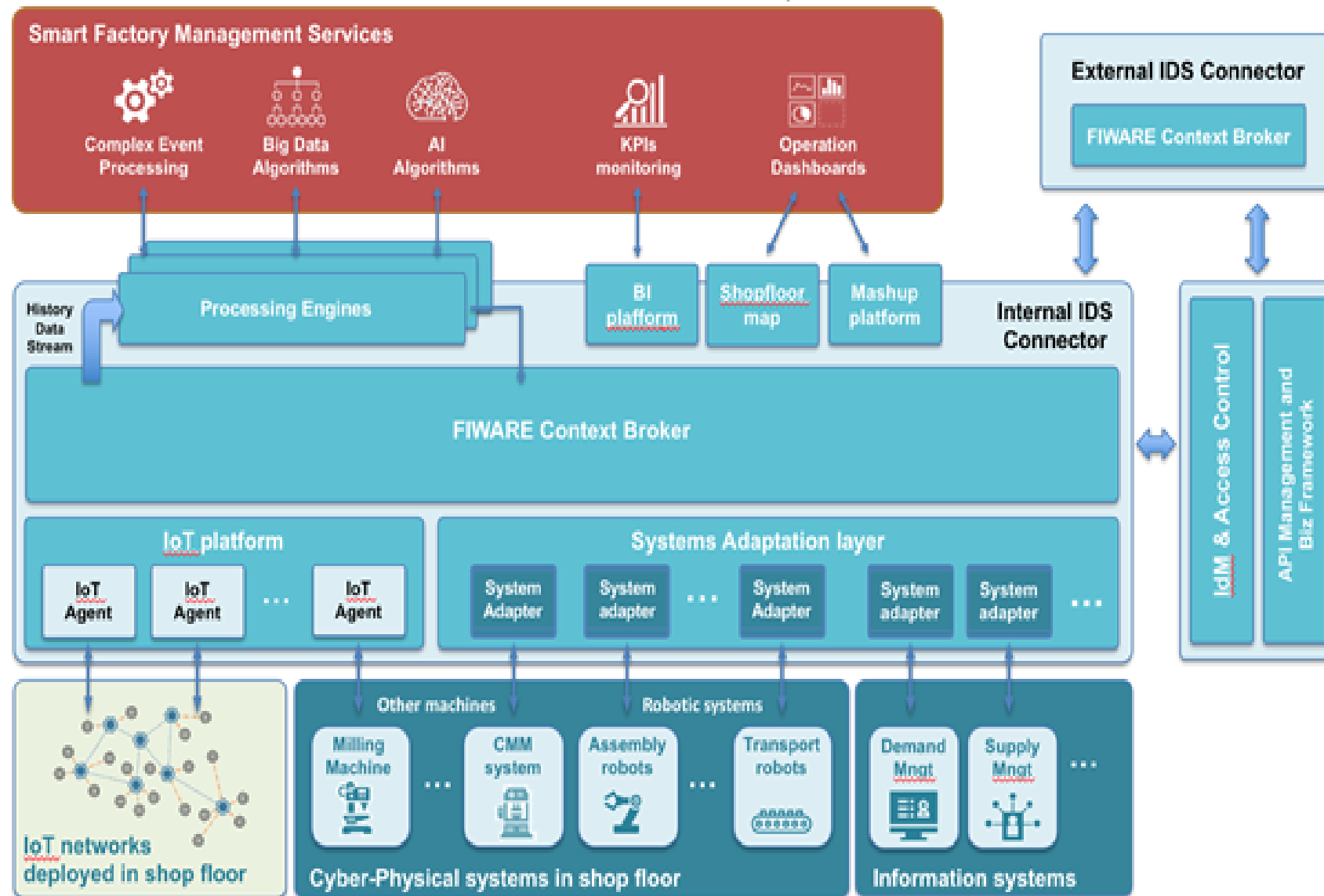2-3 partners (SME or slightly bigger end user + tech provider)

10 months support program

26 consortia beneficiaries (13 per open call)
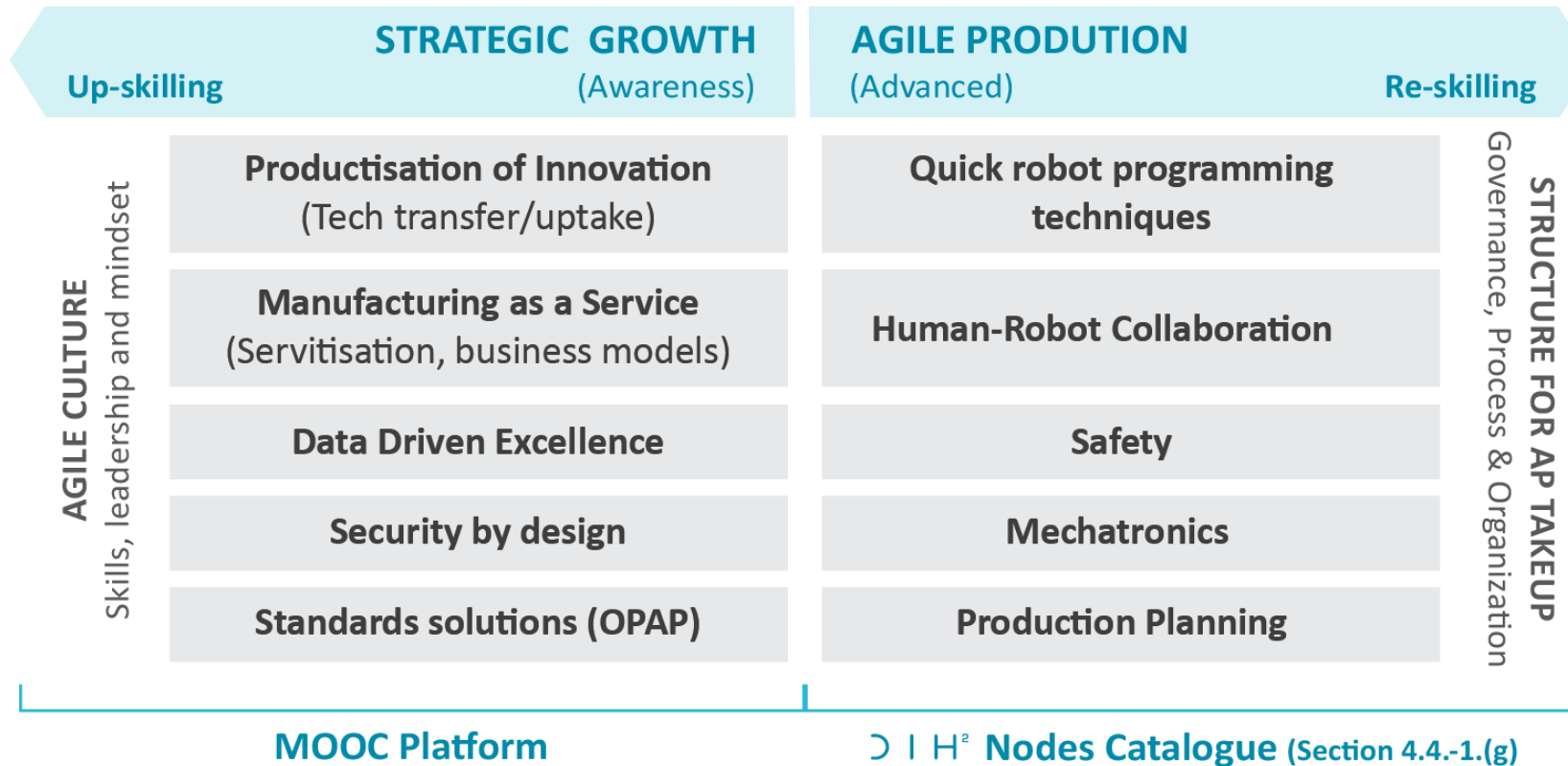
DIH² Open Call program

2 batch (20 months per batch)

Open Calls (10 months)					Tech Transfer program (10 months)		Go-to Market
Preparation + Stage 1 OC	Evaluation	Stage 2 OC / Audit	Evaluation	Jury	TTE	ROSE-AP	VCS Corporates
3M	2M	3M	3M		8M	2M	

TIR EIR SM

+ FM

Open Calls

Brokerage
Mini-grant: 1k€
Audit Vouchure: 10k€

Jury Day
Mini-grant: 1k€

ELS, DP & CS Voucher: 6k€
200k€   30k€

Up to 0,5M€

260

52

26

| Applications | (10 per country) | Top Ranking | Finalist | 1st quarter | 2nd quarter | 3rd quarter | … |

From TRL 5 to 6 or 6 to 7

From TRL 6 or 7 onwards

● Nº of Beneficiaries per stage   ◆ Networking events   ● Mentors: Research-in-Residence [RiR], Entrepreneur-in-Residence [EiR], Standardisation Mentors [IM] and Fundraising Mentors [FM]

DIH² Digitalization Platform for companies

DIH² Training and Skill Development

DIH's Training Framework for Agile Production Adoption

STRATEGIC GROWTH	AGILE PRODUTION
Up-skilling — (Awareness)	(Advanced) — Re-skilling
Productisation of Innovation (Tech transfer/uptake)	Quick robot programming techniques
Manufacturing as a Service (Servitisation, business models)	Human-Robot Collaboration
Data Driven Excellence	Safety
Security by design	Mechatronics
Standards solutions (OPAP)	Production Planning

AGILE CULTURE — Skills, leadership and mindset

STRUCTURE FOR AP TAKEUP — Governance, Process & Organization

MOOC Platform

⊃ I H² Nodes Catalogue (Section 4.4.-1.(g))

https://es.surveymonkey.com/r/RoboticsLevel

DIH² Regulatory Framework

Data Privacy

Data Protection

Security by Design

ELS Consultancy

DIH² Marketplace

⊃ I H² Marketplace

On-Boarding Service	Robots Solutions Catalogue	Tech Services	Non-Tech Services		⊃ I H² Space	Stakeholders Space
	Robots Demonstrators	COPRA-AP	Brokerage / Open Calls	DIH2' Nodes	LERs Training Program	Industrial Alliance for Standardisation on AM
			ELS, DP & CS Vouchers	'Extensive DIH2' validation service		
	Robots Facilities	Audits Voucher	Investment Diagnostic		LERs Mobility Program	Sponsorship Program
		Robotic MOOC	Fundraising Diagnostic	Skills Observatory		
	Robots Best Practises	Tech services DIHs Specialisation	Non-Tech services offered by DIHs	Impact Observator	DIHs Training Program	Regional Alliance for Digitisation

<Central DIH CSA & PPAs>   <Forum Pressroom>   <News>   <Events><About>   <Contact>

DIH² network

26 DIHs Nodes

10 Operational Partners

- Marketplace development
- Open platform development
- Standardization
- FSTP management
- Business acceleration
- Digital training
- Dissemination and Branding
- Governance structure
- Cross IAs and CSA collaboration

LER

DIH² Node — Extended DIH² Node --- DIH² Network
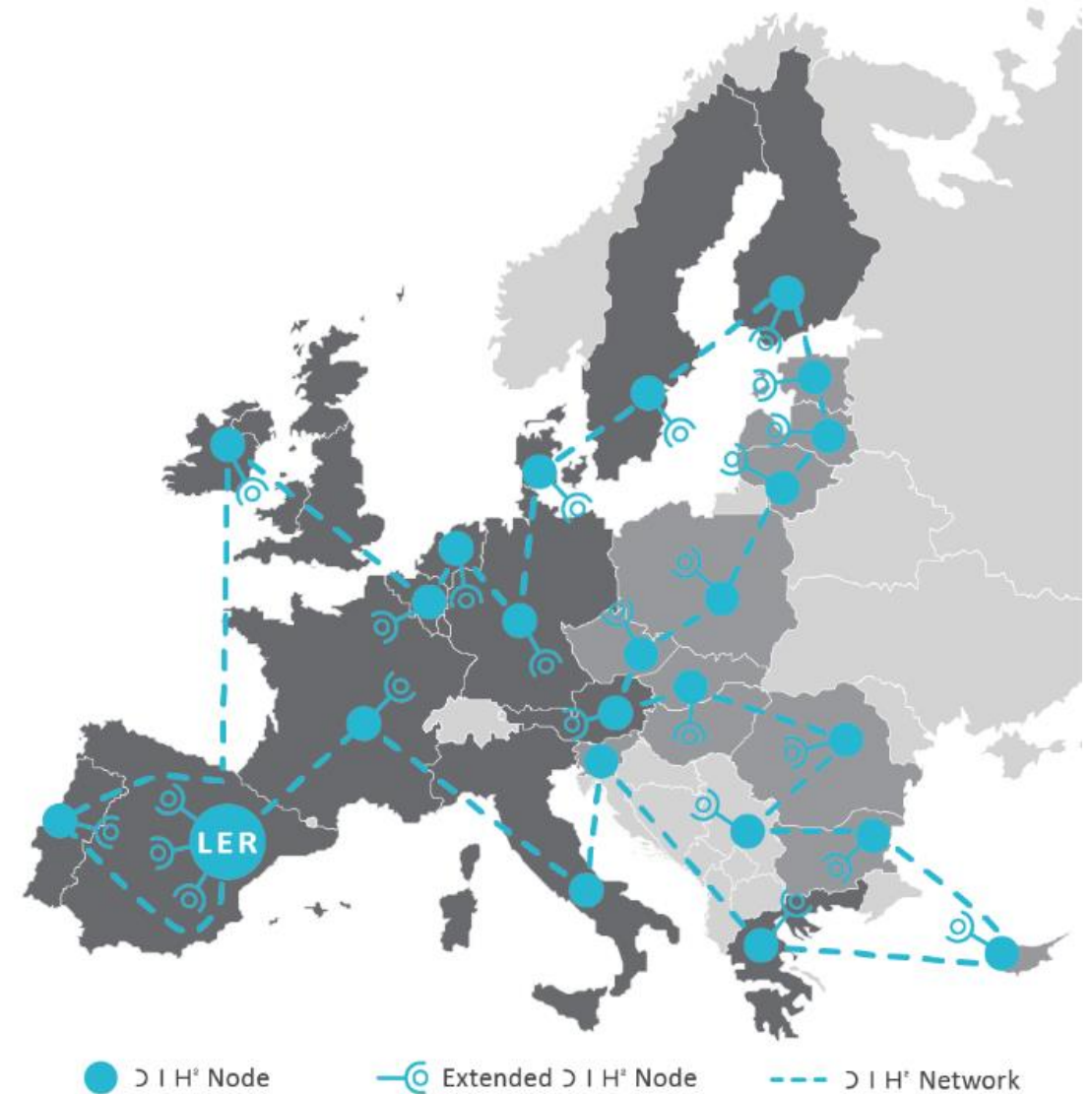
DIH² Sponsors

Components	System automation	Software/AI	Robots

HAMAMATSU · Schneider Electric · easymov robotics · ASTI

asyril · ISP INTREPID SAFETY PRODUCTS · SCORTEX · F&P Personal Robotics

PAL ROBOTICS · PERCIPIO ROBOTICS Conception de systèmes robotisés de micro-assemblage · VLM Robotics

First Open Call
1ˢᵗ July, 2019

Stay tuned: dih-squared.eu

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