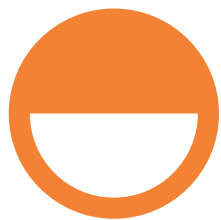




ROBOTICS FOR INSPECTION  
AND MAINTENANCE



## Digitizing European Industry

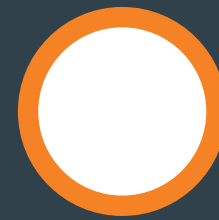
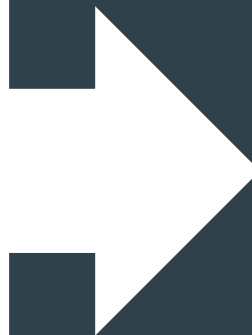
Digitisation of products and services can add revenue to the European economy

High-tech sectors face severe competition from other parts of the world

Many traditional sectors and SMEs are lagging behind.

Disparities in digitisation between regions.

Europe needs to join forces under a common strategy that takes digitalisation of the EU's economy forward to unlock the full potential of the 4th industrial revolution



## The pillars of the initiative

**European platform of national initiatives on digitising industry**

**Digital innovations for all: Digital Innovation Hubs**

**Strengthening leadership through partnerships and industrial platforms**

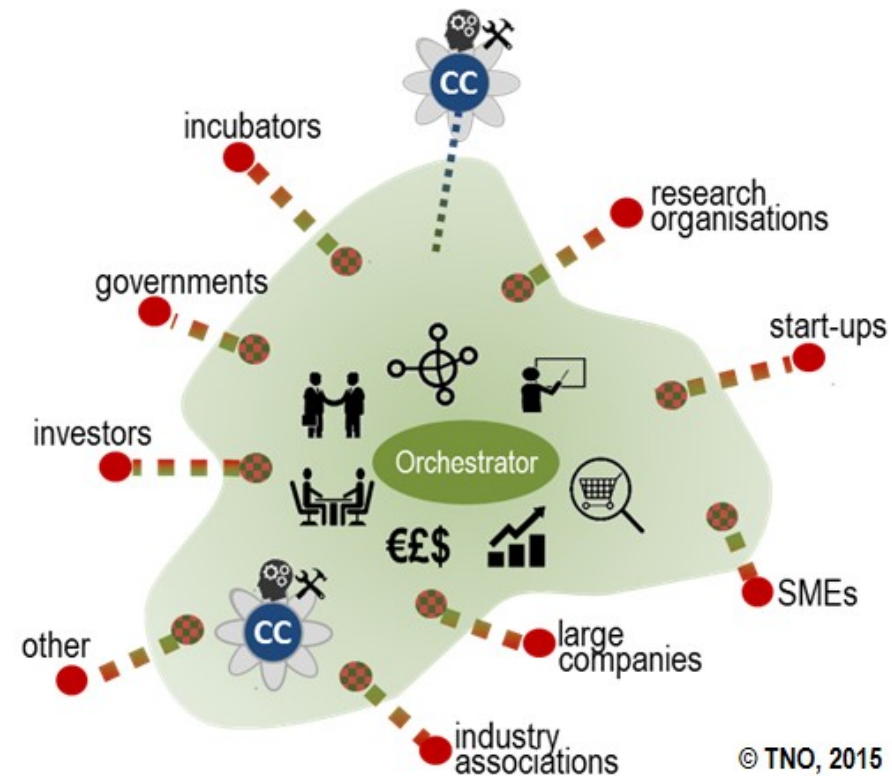
**A regulatory framework fit for the digital age**

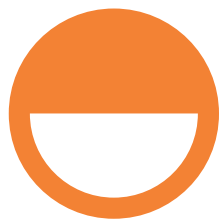
**Preparing Europeans for the digital future**

# Digital innovations for all: Digital Innovation Hubs (DIHs)

DIHs are one-stop-shops where companies – especially SMEs, startups and mid-caps– can get help to improve their business, production processes, products and services by means of digital technology.

[Network of DIHs](#) are key of the Digitizing European Initiative to ensure that every company in Europe can take advantage of digital opportunities.





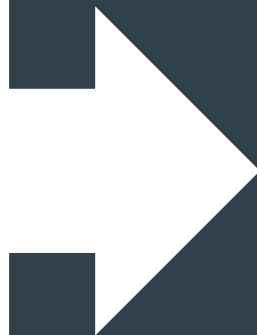
## WHAT IS RIMA?

Robotics for Inspection & Maintenance -  
4-year EU-funded project (2019-2022)

**8M€** for small and medium-sized companies (SMEs)  
and slightly bigger for technology experiments

Connecting and sharing **best practices with Network of 13 European Digital Innovation Hubs** (DIH) on robotics.

Marketplace offering services to **facilitate the uptake** of robotics among SMEs & industry



## OUR GOAL IS TO...

**Connect** research, technology & service providers,  
industry sectors, investors and certification bodies  
**under one roof**

Fund 50 technology experimentations among  
European small and medium-sized companies (SMEs)

Support SMEs to **commercialize** their solutions during  
the project

Provide **education and training** on robotics for SMEs

# SOLUTIONS?

RIMA Network aims to close this gap through 13 Digital Innovation Hubs, all dedicated to create connections between industry, robotics and I&M service providers.

- **Two Open Calls** (2019/2020) to select 50 Technology Transfer & Technology Demonstrator Experiments for startups, small and medium-sized companies (SMEs) or slightly bigger companies
- Provide **training & education on robotics at [rimanetwork.eu](https://rimanetwork.eu)**
- A network of 13 DIHs all dedicated to help the commercialization process of new I&M robotics solutions in Europe



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# RIMA NETWORK

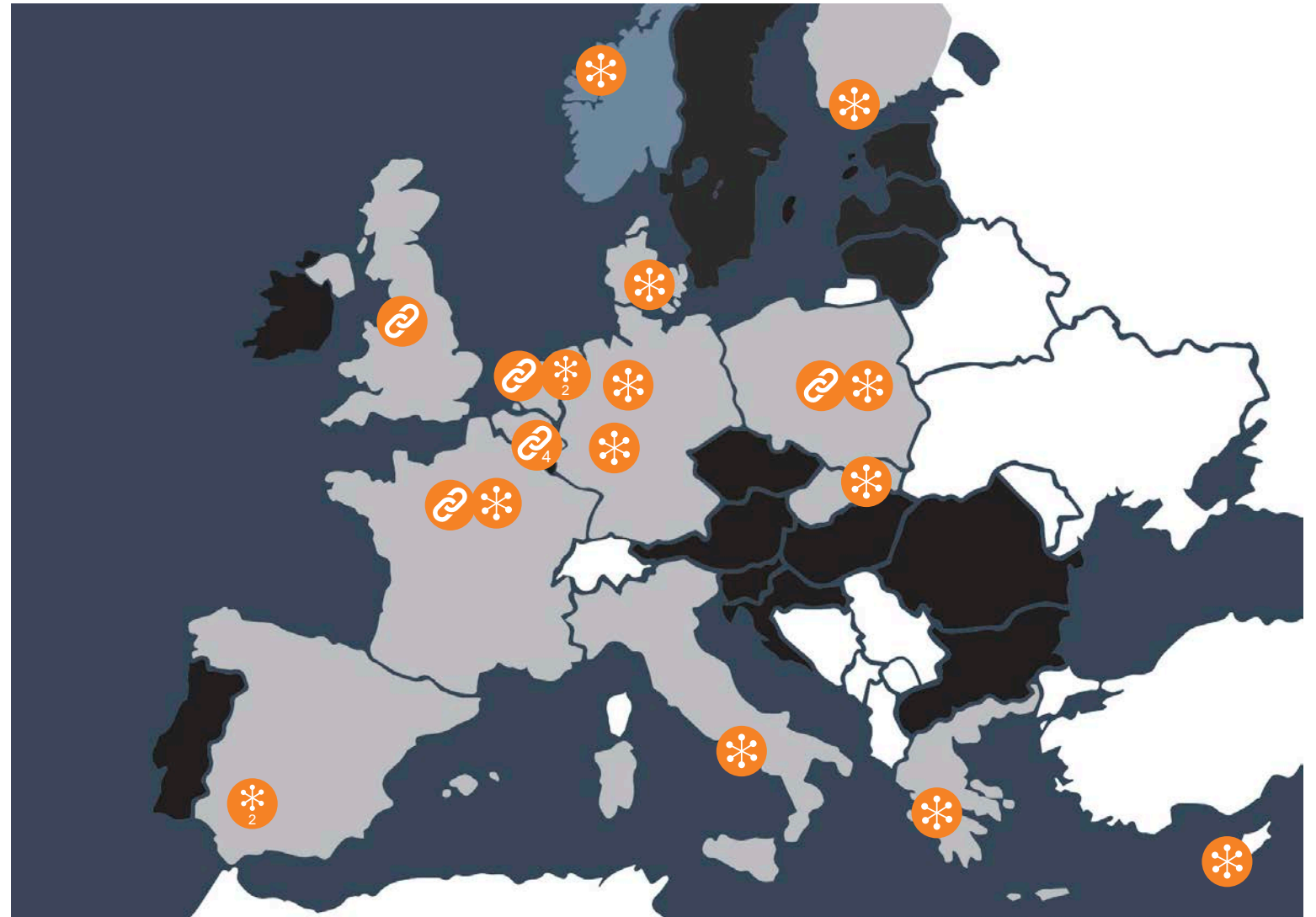
## WHO WE ARE

### Current Digital Innovation Hubs (13)

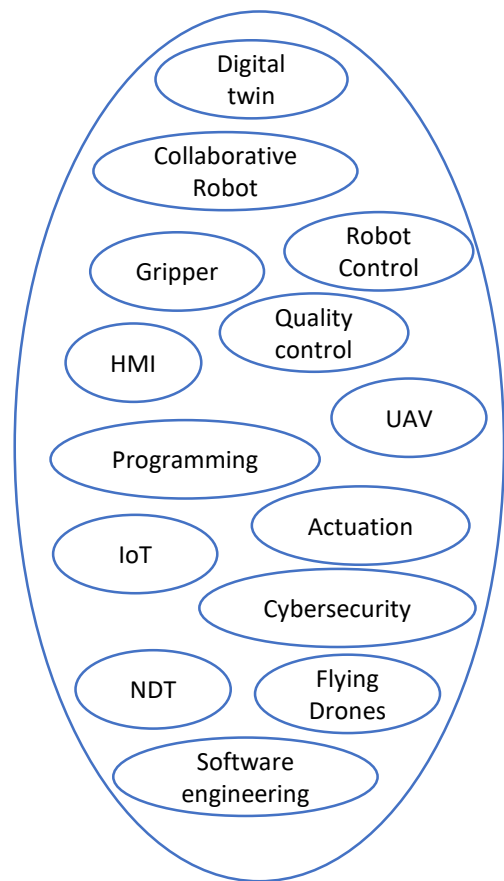
- CEA (FR)
- CATEC (SP)
- CREATE (IT)
- CUT (CY)
- DFKI (DE)
- DLR (DE),
- DTI (DK)
- LMS Patras (GR)
- PIAP (PL)
- SINTEF (NO)
- TUKE (SK)
- TNO (NL)
- VTT (FI)
- U Seville (ES)
- U Twente (NL)

### Facilitators and networks

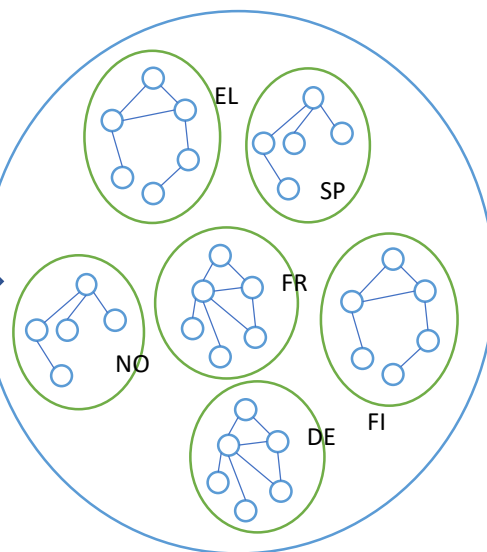
- FundingBox (PL)
- SprintRobotics (NL)
- U YORK (UK)
- FORATOM (BE)
- FERHL (BE)
- EFNDT (BE)
- Water Europe (BE)
- SYSTEMATIC (FR)



RIMA network is consisted of 13 European Digital Innovation Hubs (DIH) with a vast experience in the field of robotics. Our consortium is consisted of Universities, Industry associations and research institutes all dedicated to help



## DIGITAL INNOVATION HUBS

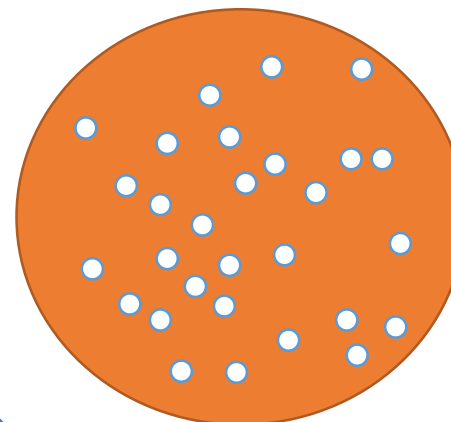


Express needs to

Provide support for

- Transfer techno
- PoC
- Training
- Funding

## SMEs



## Inspection and Maintenance of Infrastructures

### Use cases



HUBS



WATER



NUCLEAR



OIL & GAS



ENERGY

Example of technologies held in DIH





# INDUSTRIAL CHALLENGES

..and how robotics could solve them?



WATER



HUBS



NUCLEAR



TRANSPORT



OIL & GAS



ENERGY



# INDUSTRY SECTORS COVERED IN RIMA



ENERGY

## Energy generation and distribution

Includes wind, solar, hydro, coal, and power distribution, covering both off-shore and on-shore infrastructure



HUBS

## Transport hubs

Includes large transport hubs like ports, airports and interchanges.



OIL & GAS

## Oil and gas

Refining and distribution infrastructure, including off-shore infrastructure and decommissioning.



WATER

## Water supply and sanitation

Sustainable, safe water infrastructures include clean water, waste water and storm water infrastructures



NUCLEAR

## Nuclear

Including decommissioning, waste disposal, maintenance and life extension



TRANSPORT

## Road, rail and infrastructure connected with cities

Local transport systems such as trams, track and trackside equipment, bridges, tunnels and roads rolling stock and geo-physical maintenance



**DO YOU HAVE  
A ROBOTICS SOLUTION  
IN MIND?**

**OPEN CALL 2019**

# tricks and tips

- More accessible than an EC project
  - Approximately 15 pages
  - Can be from the same country
- RIMA looking for proposals that matches the ambition of EC
- Avoid submission of proposal not matching IMPACT
- Evaluation made by experts external to RIMA consortium
- Can you be an expert?

# Good practices

1. Check your ideas with RIMA consortium
2. Typical consortium
  - 2 SMEs: up to 500 people, turnover 100M€ or balance sheet 86M€ max
  - Techno provider, service provider, integrator
3. Justify potential impact on jobs, products, etc.
4. Action built on a use case provided by end users : asset owner, asset operator
  - demonstration
5. Getting support from two DIHs
  - Technology
  - Funding advices
  - Path to market
6. Ideally taking up technologies from DIH



# APPLY TODAY!

Submission of applications starts on  
*4th of September 2019 at 00:00 (CEST)*

Submission deadline:  
*19th of December 2019, 16:00 (CET).*

<https://rima-network.fundingbox.com>

Contact info:  
[aneta.galazka@fundingbox.com](mailto:aneta.galazka@fundingbox.com)



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# THANK YOU

Christophe Leroux | CEA  
[Christophe.leroux@cea.fr](mailto:Christophe.leroux@cea.fr) / [LinkedIn](#)

[rimanetwork.eu/](http://rimanetwork.eu/)



UNIVERSITY  
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