



ROBOTICS FOR INSPECTION
AND MAINTENANCE



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Digitizing European Industry

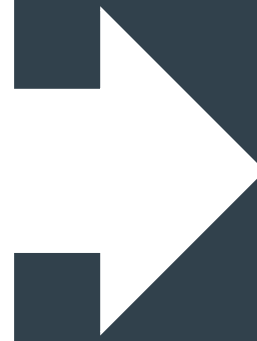
Digitisation of products and services can add revenue to the European economy.

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 digitisation 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

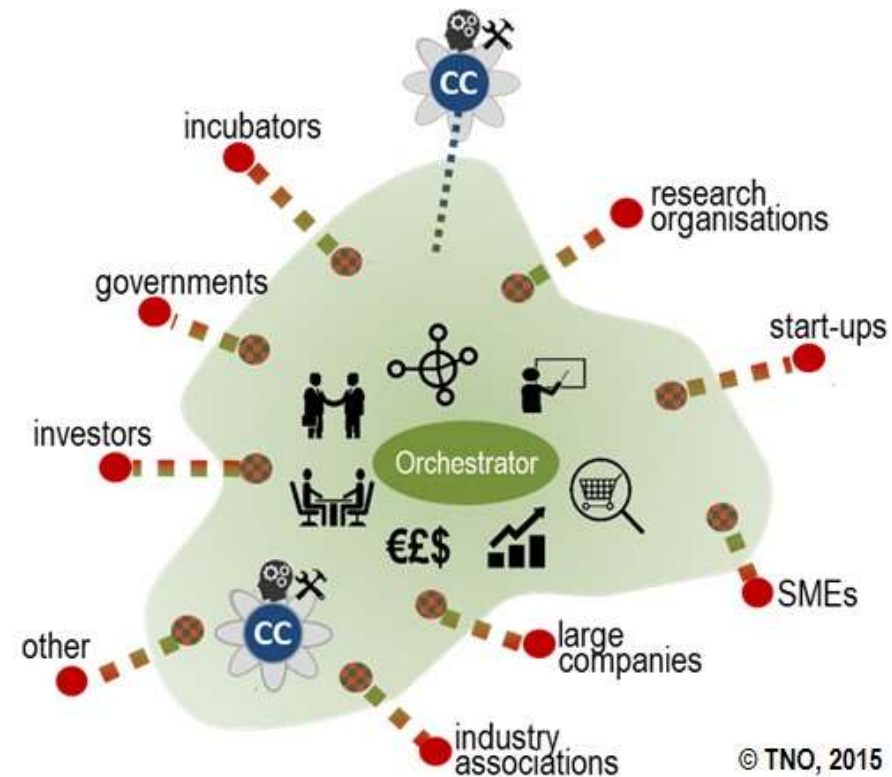
A regulatory framework fit for the digital age

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 in the Digitizing European Initiative to ensure that every company in Europe can take advantage of digital opportunities.





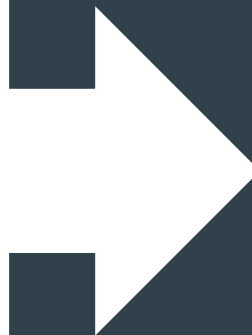
WHAT IS RIMA?

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**
- A network of 13 DIHs all dedicated to help the commercialization process of new I&M robotics solutions in Europe



RIMA NETWORK

WHO WE ARE

Current Digital Innovation Hubs (13)

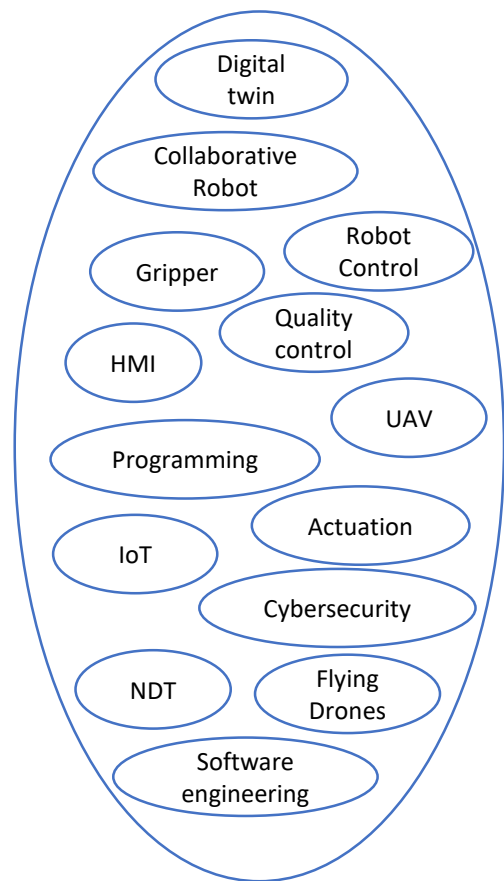
- CEA (FR)
- CATEC (SP)
- CREATE (IT)
- CUT (CY)
- DFKI (DE)
- DLR (DE),
- DTI (DK)
- LMS Patras (GR)
- PIAP (PL)
- SINTEF (NO)
- TUKE (SK)
- TNO (NL)
- VTT (FI)
- U Seville (ES)
- U Twente (NL)

Facilitators and networks

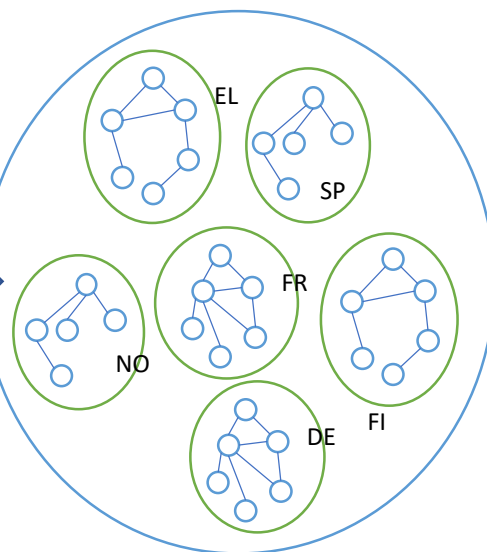
- FundingBox (PL)
- SprintRobotics (NL)
- U YORK (UK)
- FORATOM (BE)
- FERHL (BE)
- EFNDT (BE)
- Water Europe (BE)
- SYSTEMATIC (FR)



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

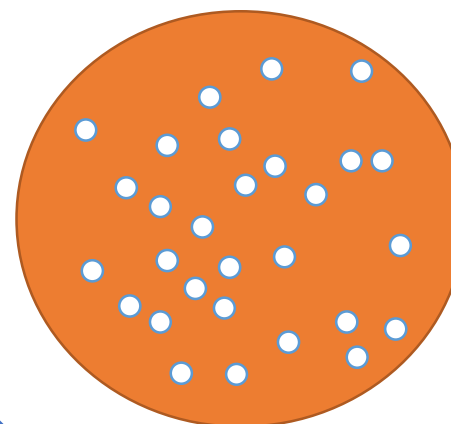


Express needs to

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 DIHs



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

Good practices

- More accessible than an EU project
 - Approximately 15 pages
 - Can be from the same country
- RIMA is looking for proposals that matches the ambition of the 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
4. Action built on a use case provided by end users: asset owner, asset operator
 - demonstration
5. Getting support from two DIHs
 - Technology
 - Funding advice
 - Path to market
6. Ideally taking up technologies from DIH for tech transfer
7. Investigate possibilities to use [AI4EU](#) platform when AI is involved



APPLY TODAY!

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

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

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

Contact info:
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THANK YOU

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rimanetwork.eu/

