



trinity

Professor Minna Lanz, Coordinator

Tampere University, Finland

www.trinityrobotics.eu



What we can do to ensure successful business in Europe?

Increase the product quality and production capacity by robotics

- Mundane tasks for robots (e.g. dirty, dull and dangerous tasks)
- Transform (human) operator to knowledge worker and problem solver (e.g. system supervisor)
- Ensure that the factories can operate with less engineers (since we will lack those)

Shorten the overall production time with ICT and AI

- Digitalisation to increase supply network transparency and reliable real-time data visibility
- AI solutions to predict and prepare for continuous changes

Benefit from industrial ecosystems (e.g. DIHs)

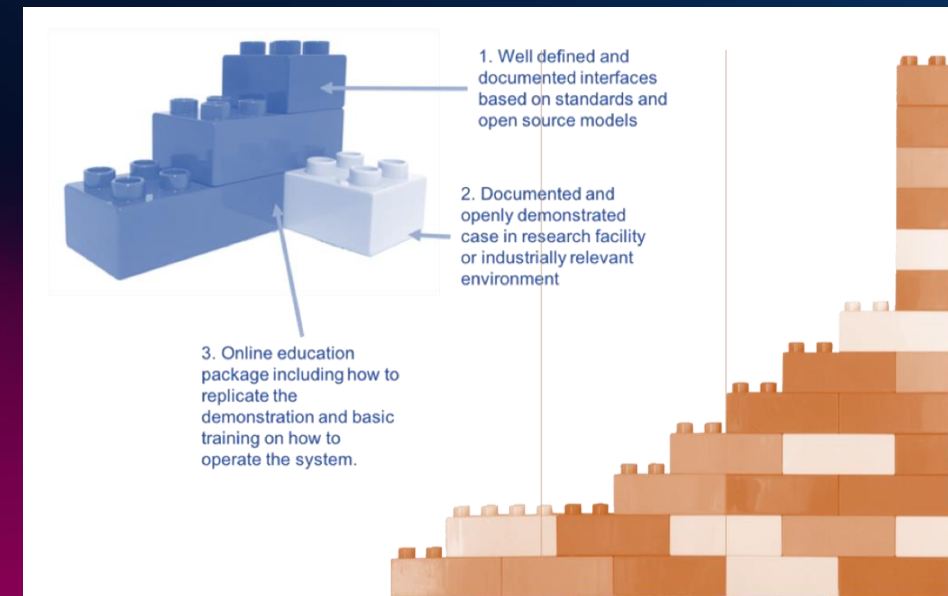
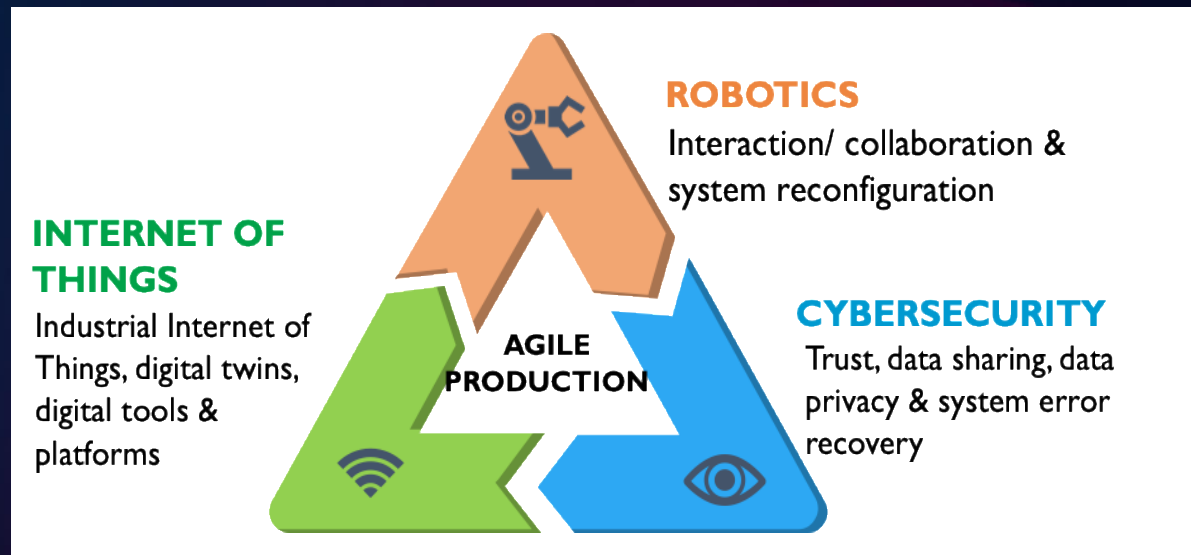
- Life-long learning support
- To share resources (machines) and expertise
- Answer together to the changing customer needs
- Shorten the supply chains

H2020 TRINITY 2019-2022

The main objective of TRINITY is to create a network of digital innovation hubs (DIHs) composed of Research Centres and University Groups specialized in Advanced Robotics and Internet of Things (IoT), supported by a DIH with experts in Robotics Cyber security to contribute to novel robotics solutions that will increase agility in production.

The second objective is to continue this network after the ramp-up phase, by building a **sustainable business model** throughout the project lifetime.

The third objective is to deliver a **critical mass of use case demonstrations** in collaboration with industry to support the industrial modernization leading to more agile production and increase the competitiveness of European companies.

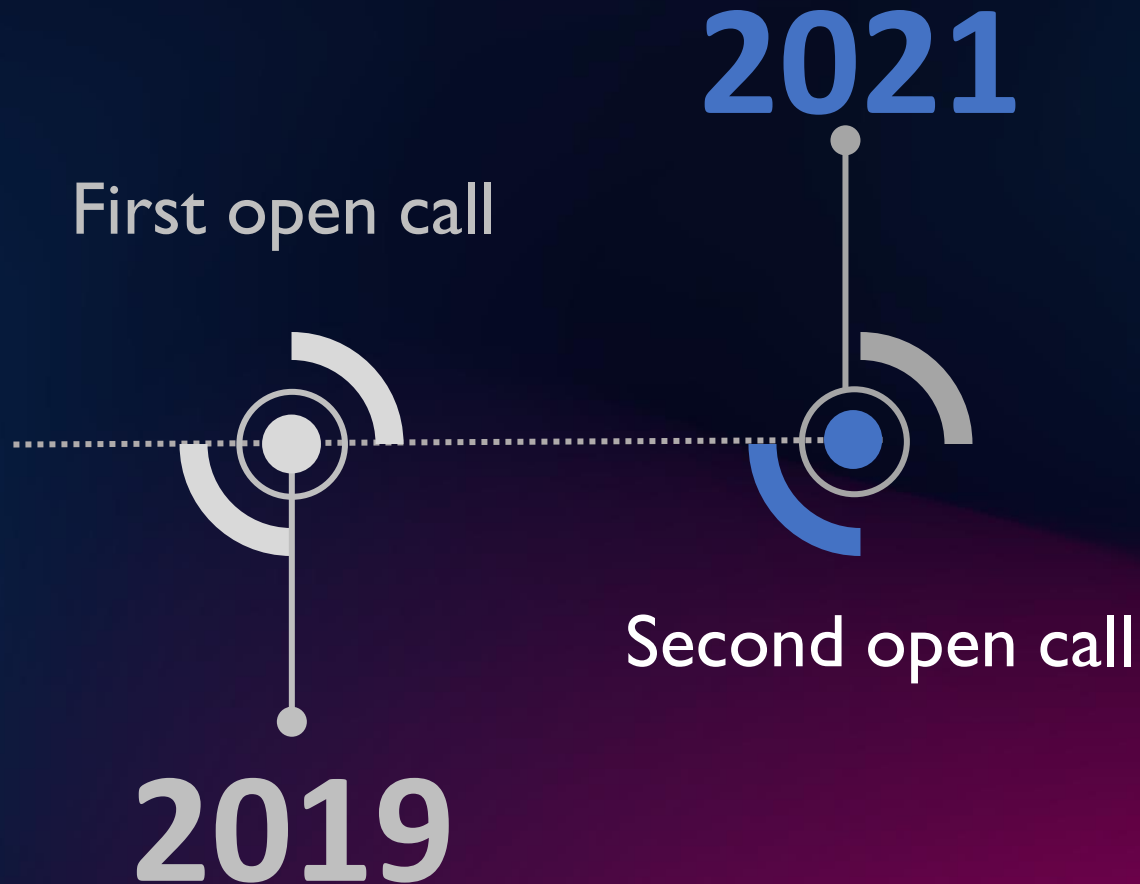


Network & partners



For your company needs, you can contact any of the **TRINITY** partners

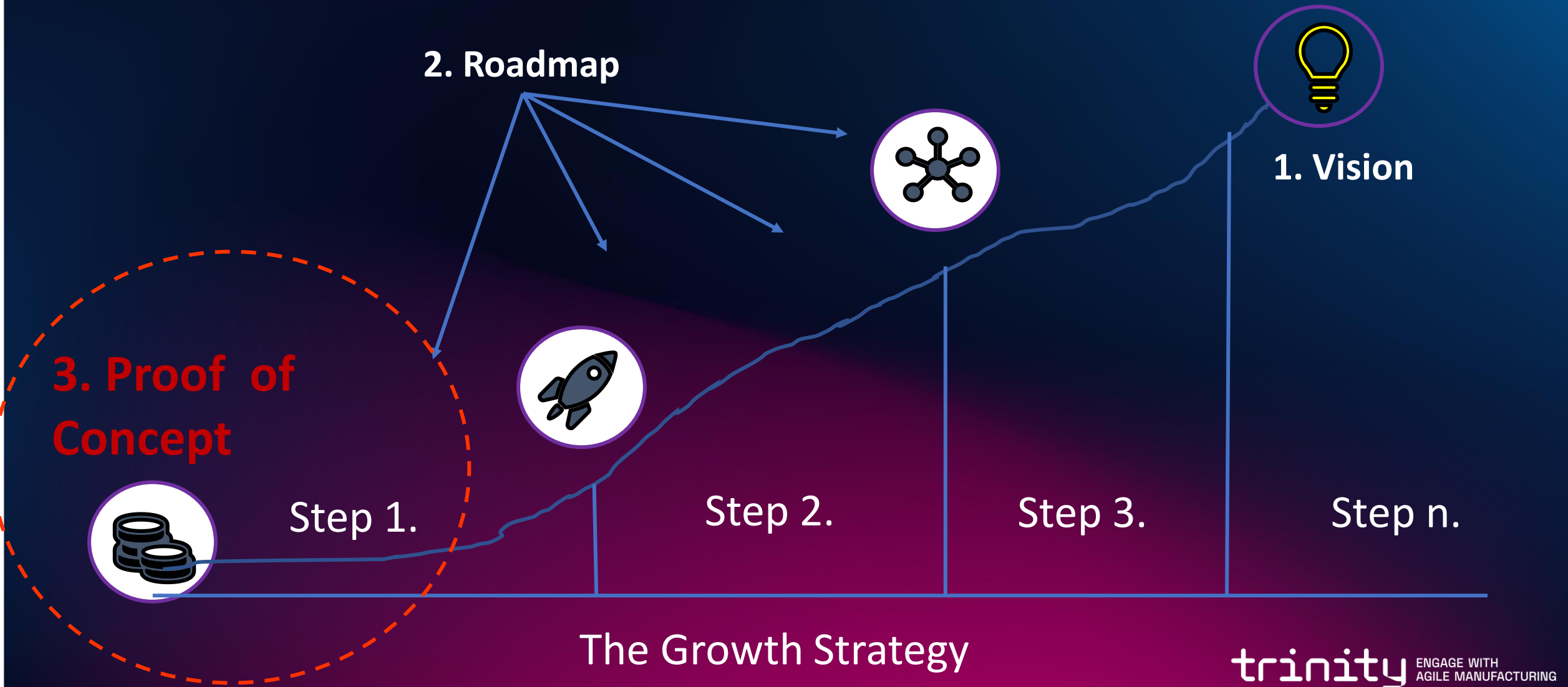
Open calls – in a nutshell



• Open Call 2

- Call opens 14.2.2021 and closes 1.6.2021
- 1.7-31.8. evaluation period
- September contracting
- 1.10.2021 Demo Program 2 starts
- Up to EUR 200,000 funding per demonstrator
- Consortium lead by SME (or slightly bigger)
- Total budget 3,5 m€
- 10 months run-time
- Must be a consortium
- Must be two countries
- TRL 5-7

TRINITY - Open Call – What we actually fund



2nd Open Call

€ **3,5m€** → from €50.000 to €200.000



Open Call #2 February 2021 GET READY!

Demo TRINITY

Existing technical modules and their concepts for enhancing, testing & extending

Support available from TRINITY consortium

2-3 partners

SME

Partner 1

Partner2

Novel solutions

Propose your own solution!

2-3 partners

SME

Partner
1

Partner
2

Special targets

- **Cross-country collaboration** (e.g. partners from 2 different countries is mandatory)
- Budget: at least 40% has to go to the Lead SME
- Extra Points:
 - 5 extra points if **female(s)** in lead roles (in of the consortium members)
 - 5 extra points if using/applying/testing/developing/ extending **TRINITY modules**
 - Combination of TRINITY+own development is allowed
 - 5 extra points if **EU-13 collaboration** (e.g. 1 partner is from EU-13)
- Total extra points are 15 in addition to the scores
- The threshold still needs to be reached in all categories

Resource	Score/Threshold
Impact in terms of Industrial relevance and exploitation plans <ul style="list-style-type: none"> • industrial impact (for partners) <ul style="list-style-type: none"> • Manufacturing SME → factory floor • System Integrator → markets • potential impact to general advancement of technology (minor role) 	0-10 /6 (double points)
Soundness of Concept e.g technical soundness	0-10 /6
Implementation feasibility of the work	0-10 /6
Resources & Consortium: Partners of the consortium (capabilities), Deployment of resources for tasks and goals	0-10 /6
	max 50 max 65 (if max bonus)

Expected impact – depends who you are

- Consortia should define on how the impact should be measured e.g. within timeline we as company expect following increases in ... and it is measured by following KPIs
 1. **Industrial impact (for the company/consortium)**
 - Manufacturing SME → factory floor: quality, efficiency, digitalisation
 - System Integrator → turnover: revenue, markets, employment
 2. **Potential impact** in general for the industry (secondary role)
- Increased
 - agility of production
 - deployment of robotics
 - use of standards for modules and systems
 - use of ICT and cybersecurity in Factory floor
- Improvement in
 - Turnover & Profits
 - Markets share
 - Collaboration with partners
 - Technology maturity
 - Gender balance and attractiveness (new employees)

Links to remember

- Open Call info: <https://trinityrobotics.eu/open-calls/>
- Existing TRINITY use cases and modules: <https://trinityrobotics.eu/catalogue/>
- TRINITY Open Call info (in Finnish): 16.3. 9:30-11:00 [Register here](#)
- TRINITY Webinar & Brokerage (in English): 25.3. 9-11 CET (please see TRINITY website for registration link)



trinity

Thank You!

minna.lanz@tuni.fi



info@trinityrobotics.eu



[@eu_trinity](https://twitter.com/eu_trinity)



<https://www.linkedin.com/company/euproject-trinity/>