trinity

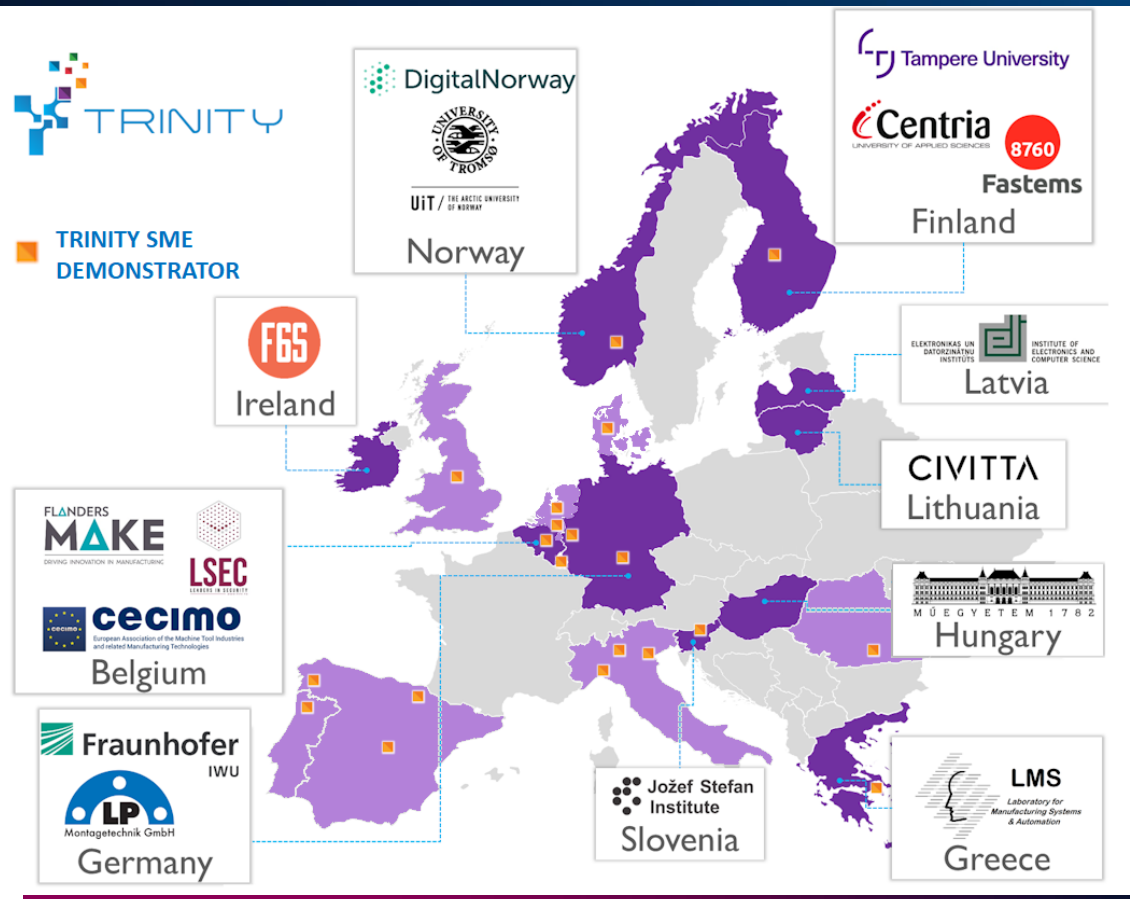
TRINITY mentoring

Jyrki Latokartano, Project Manager, Tampere University

www.trinityrobotics.eu

TRINITY Demonstration program 1

- 19 funded demonstrations
- 44 beneficiaries
- 14 EU countries
- 4.66M€ - total requested budget



trinity ENGAGE WITH AGILE MANUFACTURING

TRINITY Demonstration program company mentoring

TRINITY project is offering a mentoring program to participating SMEs.

- This means each demonstration will be assigned a mentor, personally supporting the consortium in their project.
- This co-operation brings mutual benefits:
  - SMEs get and access to TRINITY consortium expertise
  - the TRINITY consortium gets an inside view of the needs and challenges of the manufacturing SMEs around Europe

TRINITY mentors will:

- Support SMEs during the execution of the demonstrators and technical challenges
- Advice and guidance, and support with reporting and other EU bureaucracy
- Provide new contacts and networking possibilities
- Promote the demonstration through own and TRINITY channels
- Lear how SMEs work and find out what support they need from TRINITY

LEAD PARTNER	ACRONYM	LEAD MENTOR
1. Adaptive Robotics	DynaMo	Pavan Sriram
2. Additive Automations	SALSA2d	Igor Kovac
3. ALDAKIN	ARGRIND	Andras Czmerk
4. AllbeSmart	AGILE	Janis Arents
5. FAE TEAM	SNIPE	Janis Judvaitis
6. Flagstone	ALOFAP	Asad Tirmizi
7. IT+Robotics	EACHPack	Sotiris Aivaliotis
8. Knowhedge S.r.l.	MYWAI-4-ROBOTICS	Andras Czmerk
9. LCV	LDM-AUTO	Asad Tirmizi
10. Lopos	LOMSAS	Ulrich Seldeslachts
11. Mentech	AMS	Ulrich Seldeslachts
12. MetraLabs GmbH	RoboLibri	Marcel Todtermuschke
13. MX3D	WAAM CLAMP	Pavan Sriram
14. Probot Oy	RoSo-UPB	Tomi Pitkaaho
15. Quanta & Qualia	TRAINMAN-MAGOS	Sotiris Aivaliotis
16. RoboBend ApS	ROBOBEND	Pavan Sriram
17. SARKKIS Robotics Lda	X-Weld	Igor Kovac
18. Spin Robotics	Digi-SAAP	Marcel Todtermuschke
19. Stam S.r.l.	ICON	Tomi Pitkaaho

trinity ENGAGE WITH AGILE MANUFACTURING

trinity

TRINITY benefits from the SME perspective

Stefano Ellero, TRINITY demonstration coordinator,
STAM S.r.l., Italy

www.trinityrobotics.eu

Introduction to ICON
agIle eleCtric mOtor maNufacturing

- Objective: to increase productivity of a robotic cell deploying three TRINITY-originated modules for Human-Robot Collaboration
- Partners: STAM (system integrator, IT) + ICPE (end-user, RO)
- Duration: from July 2020 to June 2021
- Funding: about 156k€

Why did you apply for TRINITY funding?

To test the three TRINITY-originated modules for Human-Robot Collaboration that could improve our robotic cell for stator winding:

- Human detection and
- Projection-based interaction interface, to allow human operators safely performing preparatory and finishing tasks on a stator while the robot is operating
- Object classification, to automatically recognize the stator and load the related parameter set to generate the robot trajectory to wind the coils

Feedback about the application process

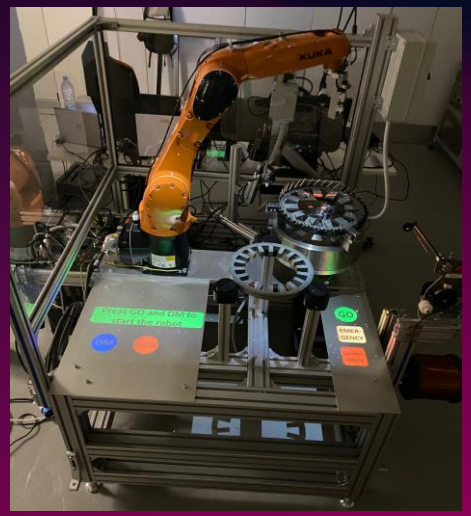
- STAM and ICPE already collaborated in previous projects: the robotic cell for coil winding was developed jointly between 2017 and 2019
- The application template is easy to write and not too long
- Further information were asked in the F6S platform: don’t forget it!
- Evaluation was quick (less than 3 months) and contract signature smooth

ICON: where we stand?

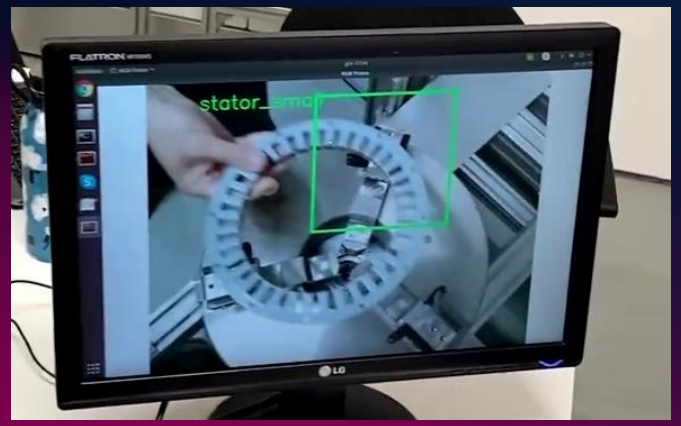
Before ICON…

2016: Manual winding

2020: 1st module



2021: 2nd module



2021: 3rd module

…thanks to ICON

trinity ENGAGE WITH AGILE MANUFACTURING

Feedback about the DIH services and mentoring

- Very strong support on dissemination to maximise impact
- Excellent technical support from module developers
- Physical collaboration with DIH labs was impossible due to COVID19
- The project is being closely followed for a smooth implementation
- Quick reaction and support on project modification (module change)

Follow us

STAM
MASTERING EXCELLENCE

www.stamtech.com

s.ellero@stamtech.com

www.linkedin.com/company/stam-s-r-l

ICPE
TECHNOLOGIES FOR
SUSTAINABLE DEVELOPMENT

www.icpe.ro

trinity ENGAGE WITH AGILE MANUFACTURING


trinity