



CSA-Industry4.E

Grant agreement No 830845 – ECSEL-2018-3-CSA-Industry4E

Coordination & Support action for Lighthouse Initiative Industry4.E

Deliverable 5.5 Report about the bridging provided to the Industry4.E Lighthouse Initiative

Lead parties for Deliverable: IMR

Deliverable due date: 31st March 2021

Actual submission date: 22nd April 2021

Dissemination level: Public

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History of Changes:

| Version | Publication date | Change |
|---------|------------------|--|
| V1 | 15.09.2020 | Draft document IMR |
| V2 | 25.03.2021 | Additional info added to all sections from IMR |
| V3 | 22.04.2021 | Final harmonisation and peer review IMR |

Table 1: History of changes to the report

Table of Acronyms:

| | | | |
|----------|--|-------|--|
| AquaTT | AquaTT UETP Ltd | ISO | International Organization for Standardization |
| BDVA | Big Data Value Association | I4MS | ICT Innovations for Manufacturing SMEs |
| CF2 | ConnectedFactories2 | JU | Joint Undertaking |
| CSA | Coordination and Support Action | KDT | Key Digital Technologies |
| D | Deliverable | KPI | Key Performance Indicator |
| DEI | Digitising European Industry | LIASE | Lighthouse Initiative Advisory Service |
| DEP | Digital Europe Programme | MASP | Multi-Annual Strategic Plan |
| DIH | Digital Innovation Hub | MGEP | Mondragon Goi Eskola Politeknikoa |
| DoA | Description of Action | M | Month |
| DT | Digital Transformation | MCS | Major Challenges |
| EC | European Commission | MS | Milestone |
| EDIH | European Digital Innovation Hub | Obj | Objective |
| EU | European Union | PM | Person Month |
| FoF | Factories of the Future | PO | Project Officer |
| FP | Framework Programme | PC | Project Coordinator |
| GDPR | General Data Protection Rights | PPP | Public Private Partnership |
| GA | General Assembly | R&I | Research and Innovation |
| GB | Governing Board | SME | Small- and Medium-Sized Enterprise |
| HE | Horizon Europe | SoA | State-of-the-Art |
| H2020 | Horizon 2020 | S2i | Steinbeis 2i GMBH |
| IMR | Irish Manufacturing Research Ltd | VTT | Teknologian tutkimuskeskus VTT Oy |
| ECSEL | Electronic Components and Systems for European Leadership | | |
| ECS-SRIA | Electronic Components and Systems Strategic Research and Innovation Agenda | | |
| EFFRA | European Factories of the Future Research Association | | |

Table 2: Project acronyms

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Contextual information

This deliverable *D5.5 Report about the bridging provided to the Industry4.E Lighthouse Initiative* prepared at M30 by IMR aims to summarise the activities of the CSA-Industry4.E (CSA) and LIASE (from M25-M30) as they carried out the bridging effort necessary to support the communities' activities as we collectively moved between the framework programmes (FP), from Horizon 2020 (2014-2020) to Horizon Europe (2021-2027).

The CSA consortium unanimously agreed to accommodate a no-cost project extension request from the ECSEL-JU office due to circumstances outside the project. This extension covered the period from M25 (Oct 2020) to M30 (Mar 2021) primarily to ensure a flawless continuation of communication and exploitation support to the community. Extra efforts were made to further boost the impact of the LIASE in the transition to the new FP.

This commitment to bridge activities established in the H2020 period materialised most notably in the dissemination and exploitation efforts of the Lighthouse Industry4.E projects in accordance with the DoA.

| | SME Support /Networks | LIASE Connections | Road mapping | Dissemination & Networking | Active in ECSEL FoF-PPP, H2020 projects | Exploitation & Technology Transfer |
|---|-----------------------|-------------------|--------------|----------------------------|---|------------------------------------|
|  | ✓ | ✓ | | | ✓ | |
|  | | ✓ | ✓ | | ✓ | |
|  | | ✓ | ✓ | | ✓ | |
|  | ✓ | | ✓ | ✓ | ✓ | ✓ |
|  | | | | ✓ | ✓ | ✓ |

Figure 1: CSA-Industry4.E consortium and expertise brought to the project

The CSA consists of five partners (IMR, VTT, MGEP, S2i, AQUATT) complement one another well in terms of expertise for the project.

This experience greatly aided the smooth execution of the tasks related to project management and further enabling the project to be amended to accommodate a no-cost project extension (from M24 to M30) at the request of the ECSEL-JU office.

In addition, this close cooperation and active management ensured the extension guaranteed appropriate secretariate support for the LIASE and stakeholder community in the transition to the next research and innovation FP. This was expertly managed and delivered above and beyond expectations.

END OF SECTION

1 Introduction

The partners have worked well together during the project from October 2018 (M1) to March 2021 (M30). The consortium has delivered on all aspects of the Description of Action (DoA), while successfully managing the project during the COVID-19 global pandemic which required the project partners to adjust, remain flexible, and provide creative solutions to ensure increased project impact as opportunities to do more and increase reach became apparent.

The bridging support to the community (from M25-M30) was carried out in the following tasks during the transition to the new FP:

- *T2.1 Establishing a communication platform for all stakeholders (M1-30)*
- *T2.2 Bringing projects together (M3-30)*
- *T2.4 Vision and mission White Paper support (M12-30)*
- *T5.1 Project Management (M1-30)*
- *T5.2. Administrative, financial and risk management (M1-30)*
- *T5.3. Secretariat services to LIASE in their engagement with the ECSEL JU governing board (M1-30)*

The additional CSA and LIASE effort have been captured in the following deliverables delayed to M30:

- *D2.1 Report presenting the operational platform;*
- *D2.2 Summary reports of the workshop on bringing projects together;*
- *D2.6 Support the LIASE to develop a White paper on Industry 4.E vision and mission strategy;*
- *D5.1 Compile Minutes of the project meetings;*
- *D5.2 Report about secretariat support provided to the LIASE; and*
- *D5.4 Result and analysis of KPIs.*

END OF SECTION 1

2 Bridging provided to the I4.E Lighthouse Initiative

2.1. Related deliverables:

Every effort has been made to keep this deliverable brief avoiding repetition already reported in related deliverables. The effort can be summarised as follows:

- [D2.1 Report presenting the operational platform;](#)
- [D2.2 Summary reports of the workshop on bringing projects together;](#)
- [D2.6 Support the LIASE to develop a White paper on Industry 4.E vision and mission strategy;](#)
- [D5.1 Compile Minutes of the project meetings;](#)
- [D5.2 Report about secretariat support provided to the LIASE; and](#)
- [D5.4 Result and analysis of KPIs.](#)

2.2. Exploitation and dissemination of results:

The [Dissemination and Exploitation Plan](#) (validated after one year by the GA) had to be adapted, to cope with the restrictions imposed across the EU due to the COVID-19 pandemic, focusing on virtual dissemination and exploitation opportunities that became more abundant from M20 as the community shifted to on-line forms of communication and collaboration.

More details on the implementation and the impact of the plan, including during the extension (M25-M30), can be found in this report and the following deliverable(s):

- [D1.3: Report with recommendations on the future of the Industrial digitalisation roadmap;](#)
- [D2.3: Summary reports of the workshop on Lighthouse projects;](#)
- [D3.2: Report on exploitation workshops and mentoring events;](#)
- [D4.3: Report on the public engagement activities carried out in the project; and](#)
- [D4.4: Report on the outreach to related initiatives carried out in the project.](#)

The success of the project has relied on the dialogue between projects (e.g. ECSEL, Horizon 2020, and EUREKA), participation of research, industry and policy stakeholders, as well as societal buy-in to the methodology and outputs from these projects. The inter-project cooperation has been significant delivered beyond its potential building momentum towards a more competitive digital industry.

The project has demonstrated outstanding capacity by leading the mapping, research and implementation of digital industry concepts (e.g. [ECS-SRIA 2021](#)), a strong social media reach (e.g. [@Industry4E](#)) and a workshop participatory rate which has been beyond DoA expectation (e.g. [Bringing Projects Together](#)).

The reach of the CSA-Industry4.E partners, in combination with the LIASE (which was extended in 2020), with their collective established trust with the stakeholders in this sphere and close cooperation with external partners has been invaluable in ensuring participation of the community for further dissemination and exploitation and added research impact.

The impeccable implementation of the plan has been central to enabling and expanding the exploitation capabilities of the Industry4.E projects beyond the consortium through the take-up of the structured and relevant knowledge curated by the project, exploitation of knowledge transfer and mapping services, brokerage, fostering of new ideas and the development of new projects, products and processes in a strategic, collaborative, coherent and targeted manner (e.g. [ECSEL portal](#)). Consortium members have exploited project results in terms of networking with other key

organisations and initiatives both within and outside the ECSEL domain and in a European environment.

2.3. Presentation of results:

A summary of exploitable results and an explanation about how they can be exploited will be presented at the final review meeting where opportunities for more detailed questions and answers will be observed.

END OF SECTION 2

3 Conclusion

This 30-month Coordination and Support Action has *established a coherent, coordinated, and sustainable approach to supporting the ECSEL-JU Lighthouse I4.E* by implementing a set of coordinated activities, underpinned by the secretariat support provided to the I4.E LIASE.

The critical objectives of the project have been fully achieved. The project has been kept on-track and accommodated a no-cost project extension (due to circumstances outside the project), as detailed in the DoA, through the:

- exceptional support from the ECSEL-JU office and PO;
- commitment of additional resources from the CSA-Industry4.E partners; and
- in-kind (time) contributions from the Industry4.E LIASE members.

The additional activities, including the efforts that took place in the no-cost project extension (from M25-M30), has *supported the communities' efforts to transition* to the new framework programme. The effort has supported the umbrella group of projects, partnerships, and communities, across the range of Research and Innovation (R&I) programmes working towards common goals to enhance European competitiveness in the realisation of the digitalisation of Industry.

The project has *improved synergies and maintained a steady build* with related national, regional, and European level initiatives engaging all actors in the supply and value chain through the far-reaching influence of the I4.E LIASE, CSA and ECSEL-JU.

END OF SECTION 3