



*HORIZON-JU-CHIPS-2025-QAC2-SGA
Supporting developing Quantum Chip Technology for high-quality Trapped Ions Pilot*

CHAMP-ION

Championing a European Advanced Manufacturing Pilot Line of Ion-Traps

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Responsible Work Package Leader: Jana Mwangi (ABIMI)
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Consortium Owner and Contact	Andreas Tortschanoff, Silicon Austria Labs GmbH Andreas.tortschanoff@silicon-austria.com																							
Deliverable Authors	Jana Mwangi (ABIMI) mwangij@amires.eu																							
Involved Beneficiaries	<table><tr><td>SAL</td><td></td></tr><tr><td>IFAT</td><td>UNS</td></tr><tr><td>IFAG</td><td>EQ</td></tr><tr><td>IFD</td><td>LUH</td></tr><tr><td>AQT</td><td>QUD</td></tr><tr><td>UIBK</td><td>PTB</td></tr><tr><td>PQC</td><td>INRIM</td></tr><tr><td>INL</td><td>UNIPD</td></tr><tr><td>VTT</td><td>UPOL</td></tr><tr><td>JGUM</td><td>ISI</td></tr><tr><td>NXT</td><td>ABIMI</td></tr></table>		SAL		IFAT	UNS	IFAG	EQ	IFD	LUH	AQT	QUD	UIBK	PTB	PQC	INRIM	INL	UNIPD	VTT	UPOL	JGUM	ISI	NXT	ABIMI
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Mark the partners who directly contributed to the creation or review of the document by formatting their acronyms in bold .																								

DOCUMENT CONTROL

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V1.0	03.06.2026	Initial version of the Kit revised online
V2.0	10.06.2026	Changes based on the comments of SAL team
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VALIDATION PROCESS

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Executive Summary

The Communication Kit presents the visual identity, key communication messages, and communication materials developed for the project. It supports coherent and effective communication across all project activities and provides stakeholders with a clear understanding of the project's objectives, innovations, and expected impacts.

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Introduction

The purpose of this Communication Kit is to provide the CHAMP-ION consortium with a coherent visual identity and a practical set of communication materials to ensure consistent communication across all project activities. It is developed within WP11 – Dissemination & Communication, which is responsible for establishing and managing all dissemination, outreach, and training activities of CHAMP-ION. These activities directly support the project's Strategic Objective 4, namely to actively ensure maximal outreach and impact within the European Quantum Ecosystem, including increasing public awareness of trapped-ion technologies and their applications, building and ensuring visibility of the CHAMP-ION brand and operations, coordinating communication, dissemination, training, and standardisation community engagement activities, and establishing CHAMP-ION as a relevant player in the pan-European quantum ecosystem.

1. Project Identity- Branding & Visual Identity

Project Name and Acronym

CHAMP-ION stands for Championing European Ion-Trap Quantum Technologies.

The project name reflects its mission to strengthen Europe's leadership in the development, deployment, and adoption of ion-trap quantum technologies. By combining the concepts of technological excellence and leadership, the acronym "CHAMP-ION" communicates both the project's scientific ambition and its commitment to **establishing Europe as a global champion** in the quantum technology ecosystem.

Project Slogans

- Championing European Ion-Trap Quantum Technologies
- Europe's quantum pilot line for ion-trap chips
- Building Europe's first open-access pilot line for ion-trap chips

These slogans directly communicate the project's core objective and serve as a consistent message across communication materials, presentations, publications, and digital channels.

Brand Narrative

Quantum technologies are expected to play a transformative role in addressing complex scientific, industrial, and societal challenges. Among the various quantum computing approaches, ion-trap technologies represent one of the most promising pathways towards scalable, high-performance quantum systems. CHAMP-ION brings together leading European research organisations, technology developers, industrial partners, and innovation stakeholders to accelerate the advancement and adoption of ion-trap quantum technologies. Through collaborative research, innovation, knowledge sharing, and ecosystem building, the project contributes to strengthening Europe's technological sovereignty and competitiveness in the global quantum landscape.

The CHAMP-ION brand embodies excellence, collaboration, innovation, and European leadership. The project's visual identity and communications are designed to convey trust, scientific credibility, technological advancement, and a shared vision for Europe's quantum future.

Brand Values

The CHAMP-ION identity is built upon five core values:

- Excellence – Pursuing world-class research and innovation.
- Collaboration – Bringing together expertise from across Europe.
- Innovation – Advancing cutting-edge ion-trap quantum technologies.
- Impact – Delivering benefits for science, industry, and society.
- European Leadership – Strengthening Europe's position in the global quantum ecosystem.

Logo



The graphic symbol consists of a geometric, diamond-shaped frame enclosing an interconnected circuit-like pattern. This design evokes the concepts of quantum hardware, integrated systems, precision engineering, and technological connectivity, all of which are central to the development of ion-trap quantum technologies.

The logo uses a dark blue colour palette associated with trust, scientific excellence, reliability, and technological advancement. The contrast between the white graphic elements and the blue background ensures strong visibility across both digital and printed communication materials.

Visual Identity (Colour palette, Typography, Graphic elements, Photography and illustration style)

The primary colors are Deep Navy (#1B2A3A), Teal (#236787), and Light Blue (#65A8C7), while the secondary colors include Dark Slate (#1E293B), Orange (#D9772B), and Sand (#E0A56A).



Style

The CHAMP-ION visual identity uses high-quality technology-inspired imagery that communicates innovation, precision, and scientific excellence. Images should reflect the project's focus on advanced quantum technologies while remaining accessible to non-specialist audiences.

The preferred imagery includes:

- Quantum computing hardware and microchips.
- Advanced laboratory environments.
- Photonic and quantum-inspired light effects.
- Scientific instrumentation and high-tech research facilities.
- Digital networks, connectivity, and data visualisation.
- Collaboration between researchers and industry partners.

- European innovation and technological leadership.

The image shown in Figure 1 depicts a glowing microchip emitting beams of light, representing the generation, control, and processing of quantum information. The visual metaphor conveys innovation, computational power, and the transformative potential of quantum technologies. Such imagery aligns closely with the CHAMP-ION mission to advance European leadership in ion-trap quantum technologies.



Figure 1: Main picture of CHAMP-ION

Key Messages





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2. Communication Channels

2.1 LinkedIn

LinkedIn is the primary social media platform for CHAMP-ION, serving as a central hub for sharing updates and announcements. To stay informed about the latest developments, partners and stakeholders are strongly encouraged to follow the official CHAMP-ION LinkedIn page: <https://www.linkedin.com/company/112226969>

Following the CHAMP-ION page ensures direct access to:

1. Project updates, milestones, and achievements
2. News from events, workshops, and consortium activities

3. Insights into ion-trap quantum technologies and their applications
4. Opportunities for engagement within the European quantum ecosystem

CHAMP-ION main hashtags: #CHAMPION #Quantum #IonTrap #EUIInnovation #QuantumComputing #DeepTech #ChipsJU #HorizonEurope #QuantumEcosystem

All partners tagging's: [Silicon Austria Labs \(SAL\)](#), Infineon Technologies Austria AG, [Infineon Technologies AG](#), Infineon Technologies Dresden AG & Co. KG, [AQT](#), [ParityQC](#), [eleQtron](#), [neQxt GmbH](#), [QUDORA Technologies](#), [VTT](#), [INL - International Iberian Nanotechnology Laboratory](#), [Universität Innsbruck](#), [Johannes Gutenberg University Mainz](#), [Universität Siegen](#), [Leibniz Universität Hannover](#), [Università degli Studi di Padova](#), [Palacký University in Olomouc](#), [Institute of Scientific Instruments of the CAS](#), [Physikalisch-Technische Bundesanstalt](#), [PTB](#), [INRiM - Istituto Nazionale di Ricerca Metrologica](#) and [AMIRES](#).

Templates: Templates for social media content have been created along with the visual identity. More details on how this content will be used will be shared in the D11.2 Dissemination and Communication plan, due on M6 of the project (Augus 2026).





Figure 2: LinkedIn Carousel template

2.2 YouTube

As CHAMP-ION aims to provide a dynamic format for presenting complex topics, a YouTube channel has been established [CHAMP-ION Pilot Line - YouTube](#) and will be actively used to support the project's communication and dissemination activities.

2.3 Webpage

The CHAMP-ION website is designed as the central communication hub of the project, supporting consistent visibility and stakeholder engagement. Its structure will ensure that all key project aspects are clearly presented. The domain <https://champ-ion.eu/> has been procured for use by the project CHAMP-ION. The website has been created in open-source software called WordPress. WordPress started as a blogging system but has evolved to be used as a full content management system that is completely customisable and can be used for almost anything within the field of web design, with a variety of functional plug-ins. This allows for fast and reliable customization and a user-friendly back-office environment, accelerating any potential request for updates and modifications.

The current CHAMP-ION landing page highlights the opening event in Villach, supported by the first press release and accompanying visuals. It presents the consortium partners, includes a clear call to follow CHAMP-ION on LinkedIn, and ensures visibility of the European Commission acknowledgement. Below a screenshot of the landing website is shown.





Figure 3: Screenshot of landing page

This initial version will be further expanded for the following structure:

- Homepage – Provides a strong first impression with video presenting key messages, project highlights, and featured updates such as press releases and major events.

- About the Project – Explains the project’s objectives, technological focus, and expected impact in a structured and accessible way.
- Pilot Line / Services & Access – Describes the pilot line offering, capabilities, and access procedures, targeting industry, SMEs, and research users. It will be also linked with **digital catalogue of services** and service providers’ profile. Sign up for **Newsletter** will be embedded to encourage interaction and engagement.
- Consortium – Showcases the expertise and diversity of project partners, reinforcing credibility and European collaboration.
- News & Events – Highlights project activities, milestones, and engagement through updates, events, and press releases.
- Media & Communication – Provides access to communication materials, visual assets, and video content (e.g. YouTube), ensuring reuse across channels.
- Contact – Enables interaction with stakeholders, including general enquiries and access requests.



Figure 4: Structure of the website

3. Communication Materials

3.1.1 Printed Communication Materials

CHAMP-ION leaflet

The project leaflet (Figure 5) is a short print material to provide a brief overview of the project in an attractive text, to make the reader curious to learn more and visit the project's social media and website. It summarizes the overview, goals, impacts, and partners at a glance to those interested in the topic.



Figure 5: CHAMP-ION leaflet

The leaflet can be distributed at conferences, events, and on the premises of the partners. The leaflet provides acknowledgment of EU funding and includes the EU emblem.

CHAMP-ION Roll-up

The Roll-up (Figure 6) will be present in the main events and meetings. The background image is standard to all communication materials and is presented and matches the logo's colours.



Figure 6:CHAMP-ION Roll-up

3.1.2 Digital Communication Materials

Press Releases (articles, events)

CHAMP-ION press releases are designed to communicate key project milestones, achievements, and activities. Their purpose is to ensure consistent, clear, and engaging messaging across all consortium communications while increasing the visibility and impact of the project.

Typically, each press release follows a concise and structured format:

- A clear and informative headline
- A short introductory paragraph summarising the key message
- A main body providing context, background, and significance
- Optional quotes from project partners or stakeholders
- Supporting materials such as images, links, or references

First press release highlights the international opening event of CHAMP-ION in Villach, Austria, where leading European quantum stakeholders gathered to mark the launch of a €50 million initiative that will build an open-access manufacturing ecosystem for ion-trap chips and accelerate the industrialisation of quantum technologies across Europe.

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Press release

International Opening Event for CHAMP-ION Pilot Line Brings Together Key Players in Quantum Technologies



Villach, Austria, 27 May 2026 – The CHAMP-ION consortium held its international opening event in Villach, Austria, bringing together leading stakeholders from across the European quantum technologies ecosystem. CHAMP-ION (Championing A European Advanced Manufacturing Pilot Line of Ion-Traps), a €50 million pilot line project, has been launched with co-funding from the European Union's Chips Joint Undertaking (Chips JU) and national and regional authorities of the participating Member States. The initiative aims to develop a complete European value chain for ion-trap chips, covering design, microfabrication, integration, testing, and validation. It will establish robust, repeatable manufacturing processes to transition ion-trap technologies from laboratory prototypes to industrial-scale production, targeting Technology Readiness Level 6 (TRL 6) and laying the foundation for future large-scale manufacturing. Coordinated by Silicon Austria Labs (SAL), the initiative brings together 21 partners from Austria, Germany, Finland, Italy, Portugal, and Czechia, representing a cross-sector consortium of research institutions, SMEs, industrial stakeholders, metrology institutes, and universities.

Open-Access Pilot Line for Industry and Research: Strengthening Europe's Quantum Ecosystem

Ion-trap systems are among the leading platforms for quantum computing, sensing, communication, and simulation. However, transitioning these systems from laboratory prototypes to industrial-scale production requires robust fabrication processes, standardisation, and integrated supply chains. CHAMP-ION addresses these challenges by establishing a High-Quality Pilot Line (HQ-PL) for ion-trap chips, focused on reproducibility, yield optimisation, and process stability. The pilot line will operate under an open-access, single-entry-point model, enabling industry, SMEs, startups, and research organisations across Europe to access fabrication and testing services. The facility will support multi-project wafer (MPW) runs and pilot production, helping reduce barriers to entry and accelerate technology transfer from research to industry. It will also develop standardized Process Design Kits (PDKs) and scalable integration frameworks to support increasingly complex quantum systems. By combining expertise in microfabrication, photonics, electronics, metrology, and quantum systems, CHAMP-ION aims to strengthen Europe's quantum supply chain and industrial competitiveness. The pilot line will support multiple ion-trap architectures, including surface-electrode, monolithic, stacked, and MEMS-based designs, ensuring broad applicability across quantum technology platforms.

CHAMP-ION, the European Ion Trap Pilot Line, is supported by the CHIPS JU, Horizon Europe, and the National Public Authorities of the partners involved in the Framework Partnership Agreement Grant No. 101233101 and Specific Grant Agreement 1 Grant No. 101288915.

 CHAMP-ION

 CHAMP-ION

Christina Hirschi, CEO of Silicon Austria Labs (SAL), said: "We are proud to coordinate CHAMP-ION as a truly European initiative that brings together leading expertise across the continent to strengthen Europe's technological sovereignty in quantum technologies. By building an open and scalable ion-trap ecosystem, we are creating the foundation for world-class quantum excellence made in Europe."

Isabel Tausendtschön, CFO of Silicon Austria Labs (SAL), said: "CHAMP-ION is an important investment in Europe's future competitiveness, creating new opportunities for industrial innovation, high-value manufacturing, and resilient supply chains. Projects like this are essential to translating cutting-edge research into sustainable economic impact."

Austrian Innovation Minister Peter Hainke said: "With CHAMP-ION, Europe is demonstrating that when it comes to key technologies like quantum computing, our ambitions go beyond scientific leadership – we are actively building industrial value creation right here in Europe. Austria, through Silicon Austria Labs, Infineon Austria, Alpine Quantum Technologies (AQT), the University of Innsbruck and Parity QC, is playing a central role in this effort. CHAMP-ION strengthens our technological sovereignty, creates highly skilled jobs, and accelerates the path from cutting-edge research to industrial application. In an era of fierce global competition for the technologies of tomorrow, it is essential that Europe develops its own manufacturing capacity, more resilient supply chains, and thriving innovation ecosystems."

Pilot line capabilities and technology scope

CHAMP-ION will provide an end-to-end industrial workflow, including:

- **Device design and Process Design Kit (PDK):** Microfabrication of ion-trap chips: Photonic, electronic, and MEMS integration; Metrology, testing, and validation; Pilot-scale and multi-project wafer (MPW) production runs.
- A key objective is the development of standardized PDKs and scalable integration frameworks to ensure interoperability across industrial and research ecosystems and to support future systems with thousands of trapped ions.

Consortium

The CHAMP-ION consortium includes 21 partners:

- **Coordinator:** Silicon Austria Labs (SAL)
- **Industry partners:** Infineon Technologies Austria AG, Infineon Technologies Dresden AG & Co. KG, Alpine Quantum Technologies GmbH (AQT), Parity Quantum Computing GmbH, Elgion GmbH, mQM GmbH, Quanta Technologies GmbH
- **Research institutes and universities:** VTT Technical Research Centre of Finland, Universität Innsbruck, Johannes Gutenberg-Universität Mainz, Universität Siegen, Leibniz Universität Hannover, Università degli Studi di Padova, Universität Paderborn, CNRS, Max Planck Society, International Iberian Nanotechnology Laboratory
- **Metrology institutes:** Physikalisch-Technische Bundesanstalt (PTB), Istituto Nazionale di Ricerca Metrologica (INRIM)
- **Innovation and coordination support:** AMBRES – Business Innovation Management Institute Z.U.

Media contact

Joan Mueang (AMBRES)
joan.mueang@ambres.eu
www.ambres.eu
www.champ-ion.eu

Follow us on LinkedIn!

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Figure 7: Press release available [HERE](#)

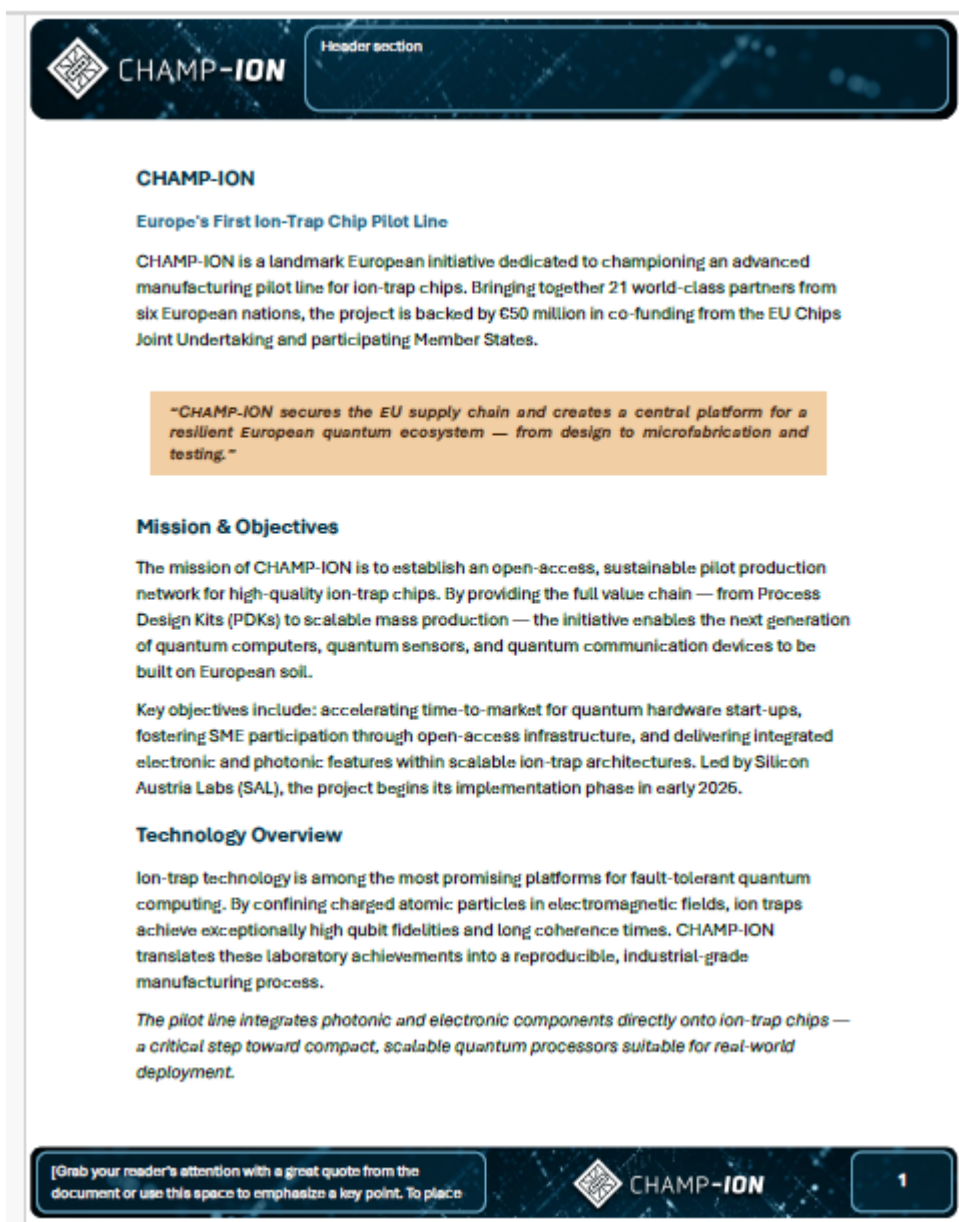


Figure 8: Template for articles, press releases...

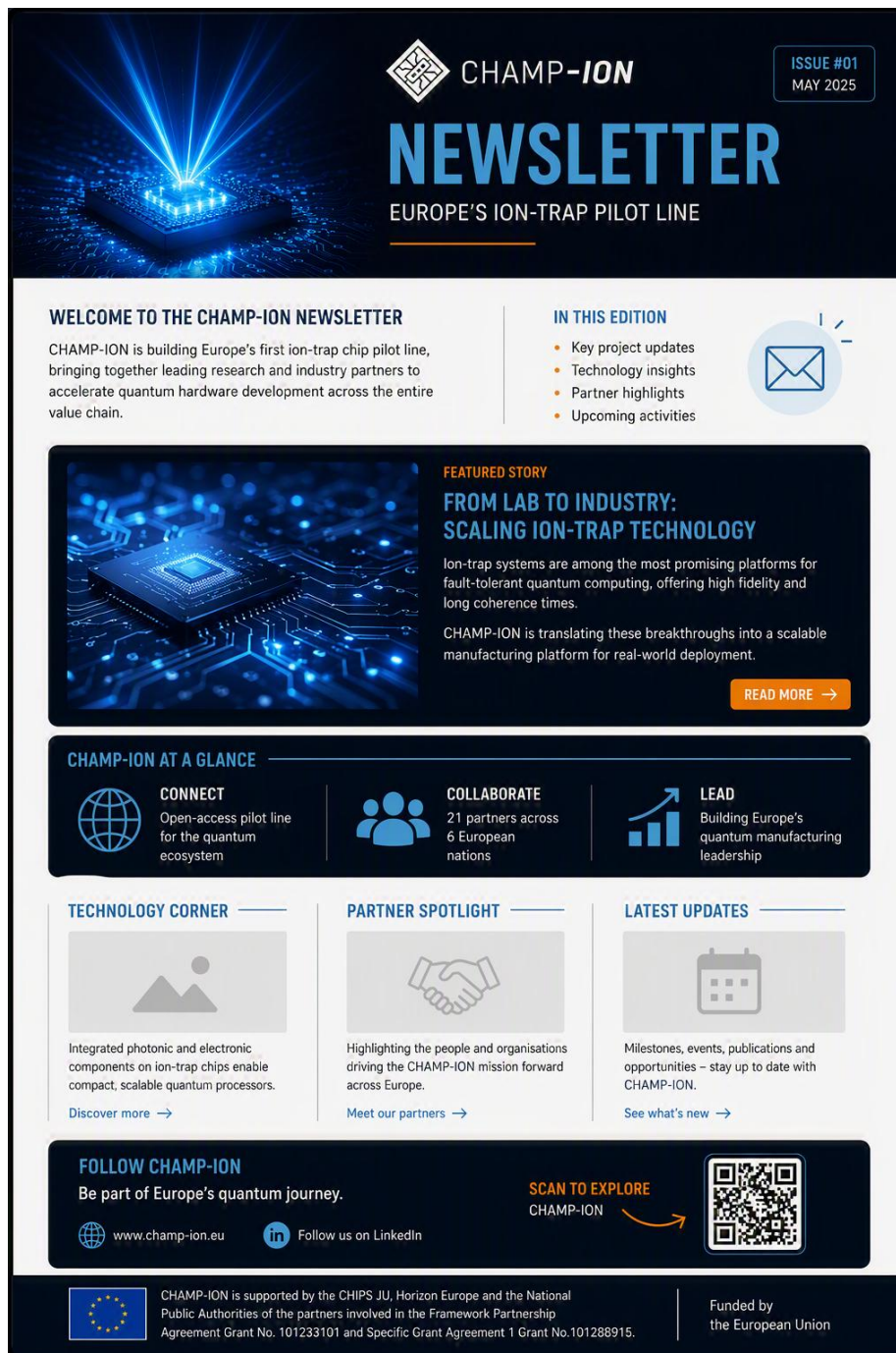
Newsletters

Newsletters will help maintain engagement with the project's community throughout its lifetime while increasing the visibility of project activities and results.

- Visitors to the CHAMP-ION website will be able to subscribe to the project newsletter through a dedicated sign-up form. This will enable interested stakeholders to receive regular updates directly in their inbox and stay informed about the project's progress, events, and key outcomes.

In addition to a traditional email newsletter, CHAMP-ION will explore the use of a LinkedIn Newsletter as a complementary dissemination channel. Publishing newsletters directly on the project's LinkedIn page can extend the reach of project updates, facilitate engagement with professional audiences, and encourage followers to receive regular content through the platform.

Furthermore, The European Quantum Industry Consortium (QuIC) will play an important role in amplifying the project's communication activities. In particular, QuIC will support the promotion of the CHAMP-ION pilot line offering among its members through its newsletter and other communication channels, helping to increase the visibility of the project's services within the European quantum industry ecosystem.



3.1.3 Other promotional materials

Other promotional materials, such as pens, notebooks, mugs, stickers, and other branded items used during events and outreach activities.

3. EU Visibility Requirements

All communication and dissemination activities carried out within the CHAMP-ION project shall comply with the visibility requirements of the European Commission, the Chips Joint Undertaking (Chips JU) and the National Public Authorities of the partners involved. Consortium partners are responsible for ensuring that all communication materials appropriately acknowledge the project's funding and display the required visual identity.

Funding Acknowledgement

All public communication materials must include the following funding acknowledgement:

CHAMP-ION, the European Ion Trap Pilot Line, is supported by the Chips Joint Undertaking (Chips JU), Horizon Europe, and the National Public Authorities of the partners involved in the Framework Partnership Agreement Grant No. 101233101 and Specific Grant Agreement No. 101288915.

Communication materials should also display the European Union emblem together with the Chips JU logo.



The CHAMP-ION logo shall be displayed alongside the European Union emblem and the Chips JU logo on all official communication materials. The logos should be clearly visible, maintain their original proportions, and be of comparable visual prominence. Partners should not modify the colours, proportions, or design of the logos.

The project is also supported by six National Public Authorities from the partner countries involved. All requirements are currently under confirmation, including the appropriate logos and accompanying text. The first draft of the logos is provided below.



Institutional Websites

All consortium partners are encouraged to publish information about their participation in CHAMP-ION on their institutional websites. The project page should, where appropriate, include:

- the project title and acronym;
- a brief description of the project and its objectives;
- the project duration;
- the funding programme and the grant number(s);
- the total project funding
- the list of consortium partners; and
- a link to the official CHAMP-ION website & LinkedIn & Youtube.

Conclusions

The Communication Kit establishes a unified communication framework for the project and provides the resources required to support dissemination, stakeholder engagement and visibility activities throughout the project duration.

Acknowledgment



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