



**IN THE CENTER OF ECS DEVELOPMENT TO FURTHER  
BOOST THE TRANSFORMATION OF MOBILITY, TOWARDS  
ZERO EMISSION & ZERO FATALITIES.**

## **D7.4 Newsletter 2**

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## Executive Summary

This deliverable presents the second edition of the **ShapeFuture** project newsletter, developed within the framework of the project's dissemination and communication activities. As a key communication tool, the newsletter supports the continuous promotion of ShapeFuture's progress in advancing Electronic Components and Systems (ECS) for highly automated vehicles, while strengthening engagement with targeted stakeholder groups.

Building on the dissemination and communication strategy established earlier in the project, this edition provides an overview of recent achievements, technical developments, partner activities, and participation in relevant events. It reflects the project's commitment to maintaining consistent, high-quality communication and ensuring the visibility of its results at both European and international levels.

The newsletter is structured to deliver clear, accessible, and relevant content tailored to a diverse audience, including industry representatives, research organisations, policymakers, and the wider public. It also serves as a collaborative platform for consortium partners to contribute content and highlight their role in the project's progress.

Overall, this deliverable demonstrates the effective execution of ShapeFuture's dissemination strategy through the production of engaging and informative content, reinforcing the project's objectives, promoting its results, and supporting its long-term impact and outreach.

# SHAPEFUTURE D7.4 / NEWSLETTER 2 /

ShapeFuture  
is at the center of ECS development, further  
boosting the transformation of mobility towards  
zero emissions & zero fatalities.

2026



[www.shapefuture.eu](http://www.shapefuture.eu)

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# List of contributing partners

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| Short Name | Long Name |
|------------|-----------|
|            |           |
|            |           |

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## List of Acronyms

Table 2: Acronyms

| Term       | Definition                        |
|------------|-----------------------------------|
| <b>CA</b>  | Consortium Agreement              |
| <b>ECS</b> | Electronic Components and Systems |
|            |                                   |
|            |                                   |
|            |                                   |

# 1 Abstract

Deliverable D7.4 constitutes the second edition of the ShapeFuture project newsletter, produced under Work Package 7, Impact Management. The newsletter is an open-access public document distributed through the ShapeFuture website and partner channels.

This edition covers key project milestones achieved since the first newsletter, including the ShapeFuture General Assembly in Riga, a partner spotlight interview with EDI on embedded AI and advanced sensors, and the project's presence at major European events, EF ECS 2025, TechTalk 2026, and the ECS Brokerage Event in Brussels. A forward-looking section on upcoming consortium activities and the project review meeting concludes the edition.

The newsletter targets a mixed readership of industry professionals, research and academic institutions, policymakers, and the general public, presenting content in an accessible format that balances technical accuracy with broad communicability.

Overall, this deliverable demonstrates the effective implementation of ShapeFuture's dissemination approach through structured, high-quality content that highlights key achievements and reinforces the project's impact at European level.

## 2 The Newsletter as a Dissemination Tool

The ShapeFuture newsletter serves as a crucial dissemination tool for the following reasons:

- **Regular Communication:** It provides a consistent and periodic channel for communicating project progress, achievements, and upcoming activities to a broad audience.
- **Stakeholder Engagement:** It facilitates engagement with various stakeholders, including consortium partners, the research community, industry professionals, policymakers, and the general public (European citizens).
- **Knowledge Sharing:** It enables the sharing of key project findings, technological advancements, and insights, contributing to the broader knowledge base in the field of ECS for automated vehicles.
- **Awareness Raising:** It helps raise awareness about the ShapeFuture project's objectives and its potential impact on the future of mobility.
- **Branding and Identity:** It reinforces the project's brand and identity, promoting its visibility and recognition.

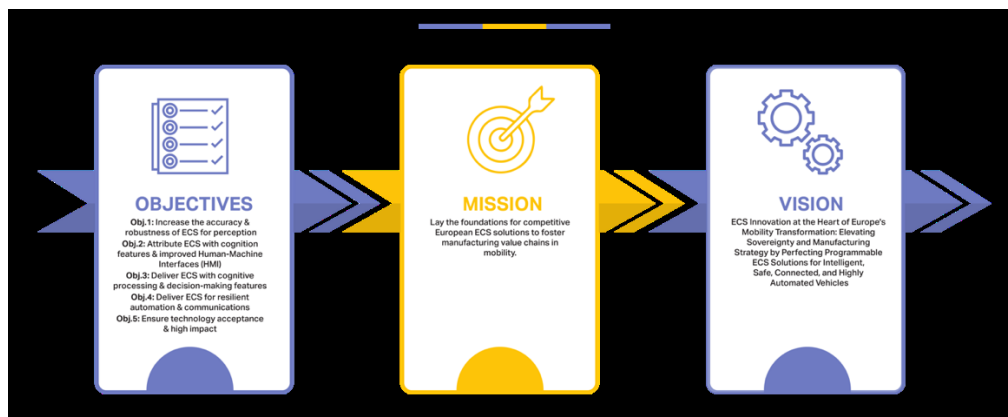
## 3 Project Vision and Goals

The ShapeFuture project is dedicated to driving innovation in fundamental Electronic Components & Systems (ECS). These ECS are essential for the development of highly automated vehicles, requiring robust, powerful, fail-operational, and integrated perception, cognition, AI-enabled decision-making, resilient automation, computing, and communications. A core aim of ShapeFuture is to ensure European ECS value chain sovereignty by shaping the future of ECS for automotive applications. This is strategically important for Europe's technological leadership and economic competitiveness.

The project's specific goals, outlined in the newsletter to provide clarity and direction, include:

- **Advancing vehicle safety, security, and reliability.** This is a primary driver for the project, as enhanced ECS are crucial for the safe deployment of automated vehicles.
- **Leading European ECS development and supply.** This goal emphasizes ShapeFuture's contribution to strengthening the European automotive industry.
- **Improving ECS accuracy, robustness, and efficiency.** These improvements are fundamental to the overall performance and reliability of automated vehicles.
- **Creating cognitive ECS with enhanced human interaction.** This highlights the importance of user-centric design and ensuring seamless interaction between humans and automated systems.
- **Enabling resilient automation and communication.** This addresses the need for reliable and robust systems that can function effectively in various conditions.

- **Fostering technology adoption and business sovereignty.** This goal focuses on translating research results into practical applications and strengthening Europe's position in the global market.



## 4 Project Updates

The ShapeFuture newsletter provide updates on key project activities, demonstrating progress and engagement:

### 4.1 ShapeFuture Consortium Meeting in Riga

The ShapeFuture consortium gathered in Riga, Latvia for a General Assembly Meeting, bringing partners together to review progress, align technical activities, and plan the next stages of the project.



Figure 1: ShapeFuture Consortium Meeting in Riga

The consortium meeting in Riga brought partners together in a spirit of strong collaboration, marking a significant step forward in the shared mission to advance the future of mobility.

## 4.2 Inside ShapeFuture Edi Interview On Sensors & Embedded Ai

During the Riga meeting, we spoke with Edgars Lielāmuris from the EDI – Institute of Electronics and Computer Science to explore the organisation's role in the project. In the interview, Edgars walks us through the lab's work on integrated systems, embedded AI, advanced sensors, and accelerator hardware within ShapeFuture.

INSIDE SHAPEFUTURE

EDI INTERVIEW ON SENSORS & EMBEDDED AI

EDGARS LIELĀMURIS

RESEARCHER, EDI

During the Riga meeting, we spoke with **Edgars Lielāmuris** from the **EDI – Institute of Electronics and Computer Science** to explore the organisation's role in the project. In the interview, Edgars walks us through the lab's work on integrated systems, embedded AI, advanced sensors, and accelerator hardware within ShapeFuture.

The team is developing technologies including:

- infrared sensing
- LiDAR & Time-of-Flight sensors
- event-based cameras
- perception algorithms & hardware abstraction layers

These components are being integrated into a self-driving vehicle platform developed within the project, helping improve the safety of electric vehicles & advanced driver assistance systems for both passengers and pedestrians. The discussion also explores **EDI's experience** across European semiconductor initiatives, reusable IP development, FPGA accelerators, and how research is translated into real industrial impact.

Watch the full interview to discover how advanced sensors and embedded AI are shaping the future of mobility.

NEWSLETTER

Figure 2: INSIDE SHAPEFUTURE EDI INTERVIEW ON SENSORS & EMBEDDED AI

The Newsletter highlights how advanced sensors and embedded AI are shaping the future of mobility.

### 4.3 ShapeFuture AT EF ECS 2025

ShapeFuture was present at **EF ECS 2025**, one of Europe's leading events for electronic components and systems.

Jochen Koszescha and George Dimitrakopoulos, presented the ShapeFuture project at Booth 18 on 3 December from 16:00 to 16:15, offering a concise

overview of how the initiative is advancing semiconductor innovation and strengthening Europe's technology capabilities.

## SHAPEFUTURE AT EF ECS 2025

The project was present at **EF ECS 2025**, one of Europe's leading events for electronic components and systems.

**Jochen Koszescha and George Dimitrakopoulos**, presented the ShapeFuture project at **Booth 18** on **3 December** from **16:00 to 16:15**, offering a concise overview of how the initiative is advancing semiconductor innovation and strengthening Europe's technology capabilities.

Visitors had the opportunity to meet project partners, learn about the technologies being developed, and explore how ShapeFuture contributes to Europe's evolving mobility ecosystem.

During the event, consortium partners also participate in workshops, stakeholder discussions, helping strengthen collaboration across the ecosystem.

NEWSLETTER

Figure 3: ShapeFuture at EF ECS 2025

The Newsletter highlights how during events like these consortium partners can participate in workshops, stakeholder discussions, helping strengthen collaboration across the ecosystem.

#### 4.4 ShapeFuture AT TechTalk 2026

ShapeFuture partners also participated in TechTalk. ShapeFuture was pleased to take part alongside other European initiatives including PowerizedD, MOSAIC, EcoMobility, A-IQ Ready, Archimedes, and Cynergy4MIE., strengthening cross-project links and reinforcing Europe's joint approach to semiconductor innovation.



Figure 4: ShapeFuture AT TechTalk 2026

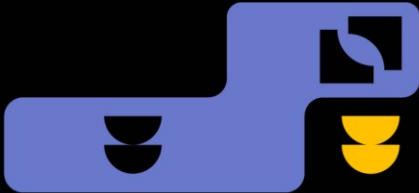
The newsletter highlighted how these conversations reinforce the importance of collaborative research across the European ecosystem to ensure that innovation in mobility remains both safe and scalable.

## 4.5 ShapeFuture at ECS Brokerage Event

ShapeFuture was also discussed at the **ECSBrokerage** Event in Brussels, where partners engaged with the wider European electronic components and systems community.

During the event, Vicky Chatzidogiannaki from Innovation Dis.Co presented the Exploitation Radar, a digital platform designed to strengthen exploitation activities within European research projects.

# SHAPEFUTURE AT ECS BROKERAGE EVENT

ShapeFuture was also discussed at the ECS Brokerage Event in Brussels, where partners engaged with the wider European electronic components and systems community.

During the event, Vicky Chatzidogiannaki from Innovation Dis.Co presented Exploitation Radar, a digital platform designed to strengthen exploitation activities within European research projects.

The platform addresses a question that many consortia quietly ask:

**What happens with exploitation after the proposal is submitted?**

Exploitation should not be treated as a final reporting task. Instead, it needs to be a structured and measurable process that supports industrial and market uptake.

Tools like Exploitation Radar help projects track innovation assets, identify opportunities for impact, and connect research results with real-world applications.





Figure 5: ShapeFuture at ECS Brokerage Event

The newsletter highlights how tools like Exploitation Radar help projects track innovation assets, identify opportunities for impact, and connect research results with real-world applications.

## 4.6 Looking Ahead

The newsletter informed readers of the upcoming ShapeFuture General Assembly, and Review meeting.



Figure 6: Looking Ahead

In this section the newsletter helps readers stay up to date with future events and activities that will shape collaboration within the project.

Looking ahead, the coming months mark a pivotal period for the ShapeFuture project. The next General Assembly Meeting is scheduled for 28–29 May 2026 in Modena, Italy, bringing the full consortium together to review progress, align on upcoming activities, and prepare for the project's next phase. This will be followed by the Project Review Meeting on 3 July 2026 in Brussels, where the consortium will present its achievements to the European Commission.

Readers can also look forward to the next edition of the ShapeFuture newsletter, which will feature a comprehensive technical deep-dive into progress across the project's Work Packages, including key developments from the Demonstrators.

## 4.7 Newsletter distribution and Impact

The ShapeFuture newsletter has been strategically distributed across multiple channels to maximise its reach and ensure broad stakeholder engagement.

**All consortium partners** received the newsletter directly, keeping every project member informed of the latest developments and fostering internal alignment and a shared understanding of project progress.

The newsletter is also publicly available for download on the **official ShapeFuture website** (<https://ShapeFuture.eu/>), ensuring open access for any interested reader and broadening the visibility of project results beyond the consortium.

In addition, the newsletter is published through the project's **LinkedIn page**, leveraging the platform's professional network to reach industry actors, researchers, and policymakers across Europe and beyond.

Together, these distribution channels ensure that ShapeFuture's achievements and updates reach a wide, diverse, and relevant audience, reinforcing the project's commitment to transparent and impactful communication.