



**Sustainable, Technological, Accessible and Resilient human- centric manufacturing supporting
the New European Bauhaus
through synergies between customized production and consumption models**

Newsletter nr.4

Human-centred local manufacturing for everyday life, inspired by the New European Bauhaus

In December 2025, **STARHAUS** consortium came together for the M24 project meeting to reflect on what we have learned so far and to align on the next phase of work: moving from promising ideas to solutions that people can actually imagine using in their daily routines.

At its heart, **STARHAUS** is exploring a simple but powerful question: what if everyday products could be created or refilled closer to where people live, designed around human needs, local contexts and sustainability values? The project's direction is anchored in a shared core concept that brings together customization, accessibility, aesthetics, sustainability and regeneration, so that innovation is not only efficient, but also inclusive and meaningful in real urban life.

From abstract ideas to places people recognize

One of the most important steps at M24 has been making the **STARHAUS** vision concrete and relatable. Rather than designing in the abstract, the project is shaping its concepts around familiar urban places, spaces people already frequent and

trust. These settings include parks, cafés, schools, gyms, supermarkets and other everyday locations, which help us test what local production could look like when it becomes part of normal city life.

This place-based approach also makes it easier to discuss the real-world questions that matter to citizens: Where would such a service feel appropriate? What would make it trustworthy? How would it fit into a quick daily routine? What would help people understand the process and feel in control?

Listening first: what people value, expect, and worry about

Throughout this period, **STARHAUS** has continued to build its concepts through user insights and co-design. The project has gathered extensive input through research, surveys and interviews, as well as workshops that translate those insights into practical design choices.

A highlight was the participatory work conducted during Rome Future Week, where visitors were invited to express what they value most, what they would expect from such a service, and what concerns they might have. Those





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perspectives were also translated into visual scenario explorations to help teams and the public better imagine how future services could look and feel.

Alongside this, **STARHAUS** carried out immersive testing activities and co-design sessions to explore acceptance, ease of understanding, and trust because the success of new urban services depends as much on perception and experience as it does on functionality.

A coherent “journey,” not just a technology

As the project matures, **STARHAUS** is increasingly shaping the experience as a clear user journey, from discovering the service, to creating a personalized product recipe (either remotely or on site), to preparing and collecting the product, and finally to deciding whether and how to keep engaging over time. This helps ensure the service is designed like a real-life experience people can understand, not a set of disconnected components.

In parallel, the project is bringing multiple use cases into one integrated digital experience. This matters because it allows **STARHAUS** to test consistency, clarity, and usability across different contexts, while preparing for wider demonstrations and public-facing engagement.

Opening the doors to external creativity and community business ideas

Alongside its core activities, **STARHAUS** continues to expand its ecosystem by engaging external innovators through its Open Innovation

Competitions. These initiatives bring fresh perspectives from the intersection of technology, creativity, and community value, helping the project move from concepts to solutions that can work in real-life settings.

Through Open Innovation Competition 2 (OIC2), focused on Arts and Technology Residencies, **STARHAUS** supports the advancement of Manufacturing Demonstration Facilities and digital tools by addressing concrete, real-world needs. The selected projects contribute user-centred prototypes that strengthen the **STARHAUS** ecosystem and increase technological readiness.

Among the OIC2 winners, Master Iberia developed CO₂Footprint, integrating a carbon footprint pathway into the **STARHAUS** digital platform to support transparent and sustainable production. Enthela focused on adapting Manufacturing Demonstration Facilities for localized biofertilizer production, introducing modular automation and advanced drying processes to enhance sustainability at the community level.

Building on this, Open Innovation Competition 3 (OIC3) places the focus on Business for Community, exploring how **STARHAUS** technologies can be translated into practical solutions for local contexts. Working with the OIC3 winners, the project is developing strategies that emphasize both environmental and societal impact.





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In this framework, Domino’s MODY project applies lean start-up and data-driven approaches to refine personalized products developed through FabLab technologies, while HD TECH LABS’ SUSCOM initiative extends STARHAUS solutions into artisan and consumer communities, particularly in pet food and beverage use cases, with scalable and culturally adaptable models.

These initiatives strengthen STARHAUS’s capacity to connect technology, local production, and community value in a meaningful and sustainable way.

Importantly, this is not only about “innovation for innovation’s sake.” The external initiatives support STARHAUS in exploring models that can work for communities—where value is visible, participation is possible and local actors can realistically play a role in long-term operation.

Connecting with the New European Bauhaus community

STARHAUS is also preparing for broader public visibility and collaboration through European initiatives aligned with the New European Bauhaus. During this reporting period, the project submitted an application for the NEB Festival, proposing a mix of demonstration and participatory activities, designed to invite dialogue, feedback, and new partnerships. STARHAUS is

also engaging with sister projects Horizon Europe projects funded under the call HORIZON-CL4-2023-HUMAN-01-53: FABRIX, LAUDS, YouRban and STARHAUS to examine how manufacturing value chains and communities mutually shape one another in order to coordinate joint actions and enhance collective impact. These steps matter because STARHAUS is not only developing solutions—it is also building a community around the idea that sustainability can be practical, human-centred and embedded in everyday places.

Looking ahead

The next phase of STARHAUS will deepen this work in three directions: refining the service experience around real routines; strengthening public trust through participatory validation and continuing to develop practical pathways for replication and adoption across different local contexts.

If you would like to follow the project’s progress, upcoming events and public activities will be shared through the STARHAUS website and social media channels, helping reach innovators, local communities, researchers, SMEs and public stakeholders interested in circular economy solutions and New European Bauhaus values.

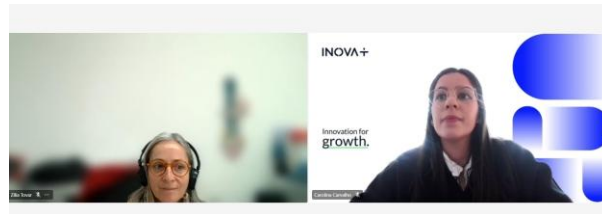
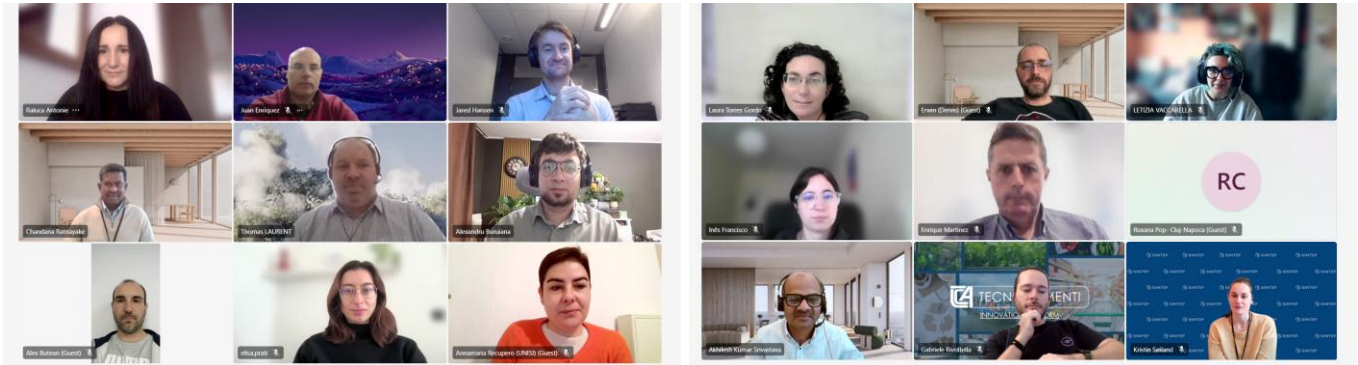




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*Here's to a future filled with innovation, sustainability and community spirit with **STARHAUS!***



STARHAUS M24 Meeting Group photo

Warm regards,
STARHAUS Team

Website: <https://starhausproject.eu/> | Facebook: <https://www.facebook.com/starhausproject> | LinkedIn:
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