EIT Manufacturing

Κοινότητες Γνώσης και Καινοτομίας (KICs): Δυνατότητες συμμετοχής και χρηματοδοτικές ευκαιρίες για καινοτόμες επιχειρήσεις



Manufacturing CLC SOUTH EAST

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Our Vision

Global manufacturing innovation is led by Europe.

Our Mission

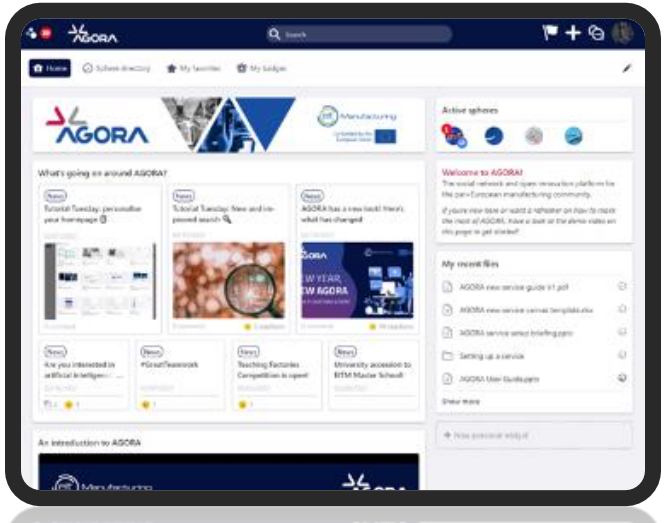
Bring together manufacturing actors across Europe to integrate innovation and education for an entrepreneurial and sustainable Europe.

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Unique approach:
Innovation based on industry needs

- European Partnership, independent Legal Entity, 14 years financial support by the European Institute of Innovation and Technology (EIT)
- Unique Europe-wide network of industry and science
- Holistic approach integration Innovation, Business Creation and Education
- Our European learning platform Skills.Move (www.skillsmove.eu) with state-of-the-art content
- Our social network and innovation Platform AGORA (agora-eitmanufacturing.eu)
- Coaching and financial support for startups and scaleups
- €400M budget until 2026



https://agora-eitmanufacturing.eu

Skills .MOVE

https://www.skillsmove.eu/

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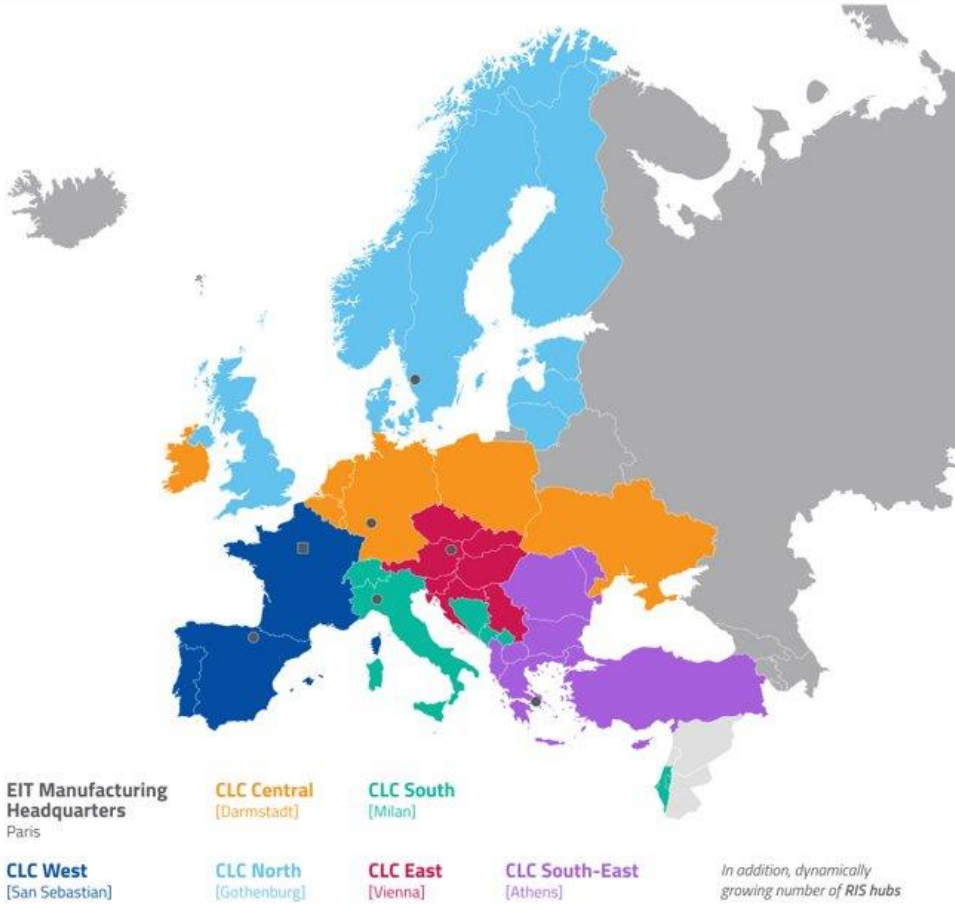
EIT Manufacturing brings together manufacturing actors across Europe to integrate **innovation** and **education** for an **entrepreneurial** and sustainable Europe.

Forming strong bonds with our Partners.
Achieving year over year collaboration



As of March 2023

Addressing innovation needs on a regional level.
Connecting regional players with other EU regions



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Co-location Center in Athens

- Officially established in 2022 in Athens, Greece
- Serving 8 countries of South East Europe: Albania, Bulgaria, Cyprus, Greece, Moldova, North Macedonia, Romania, Türkiye
- LMS, University of Patras led the set up process
- Support letter from the Greek Prime Minister
- Support letter from 15 industries (Greece, Bulgaria, Romania)

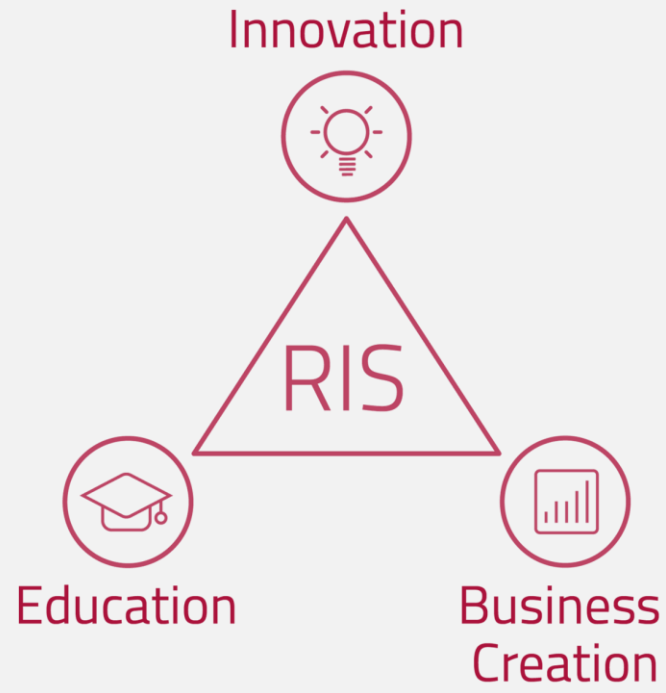
LMS
Laboratory for Manufacturing Systems & Automation

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Knowledge Triangle Integration Approach



Engagement mechanism with Industrial Users and Solution providers



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EITM enables access to partners and resources to strengthen your plans for Manufacturing Innovation

Improve Innovation Impact

- Tailored process to match Innovation & Education requirements with available opportunities in a roadmap approach
- Receive inspiration from EITM partners and sharing of best practices
- Extent your corporate innovation capabilities with Open Innovation

Grow B2B Network

- Participate in matchmaking and EITM community events throughout the year
- Evaluate selected SMEs and startups with solutions that are tailor-fitted to your needs
- Access to 1:1 knowledge exchange with solution providers and other end-users

Attract Funding

- Receive opportunities to join consortia of expert partners for EITM and HORIZON project submissions
- Lower the cost of partnering with innovative startups and SMEs
- Leverage local and regional funding opportunities with EITM and our expert local partners

Dedicated support for industrial partners

Providing support in finding relevant training providers for VOLVO staff
•Access to online learning platform Skills.Move
•Regular updates on ongoing initiatives and opportunities at EIT
•Speaking opportunities at EU-level events and initiatives
•Currently engaged in 3 Education and 2 Innovation (R&D) project proposals



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Year-round networking opportunities in the EITM network

Matchmaking, Startup competitions, Thematic events, Invitation-only events

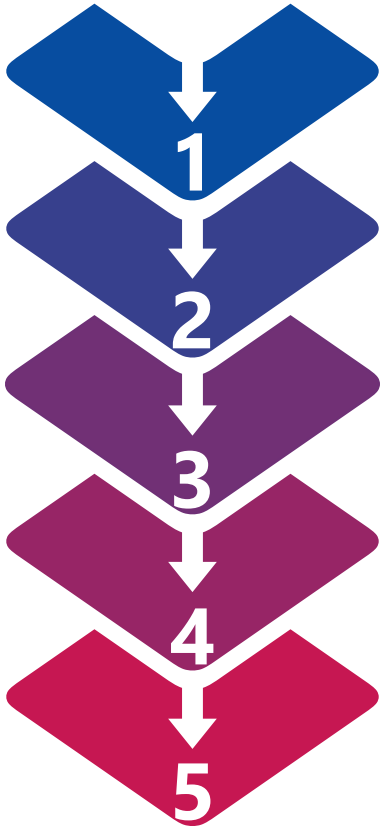






EITM leverages the Pan European partner Ecosystem **in every step** of the value creation process

The value creation process of EITM for industrial users



Identification of challenges

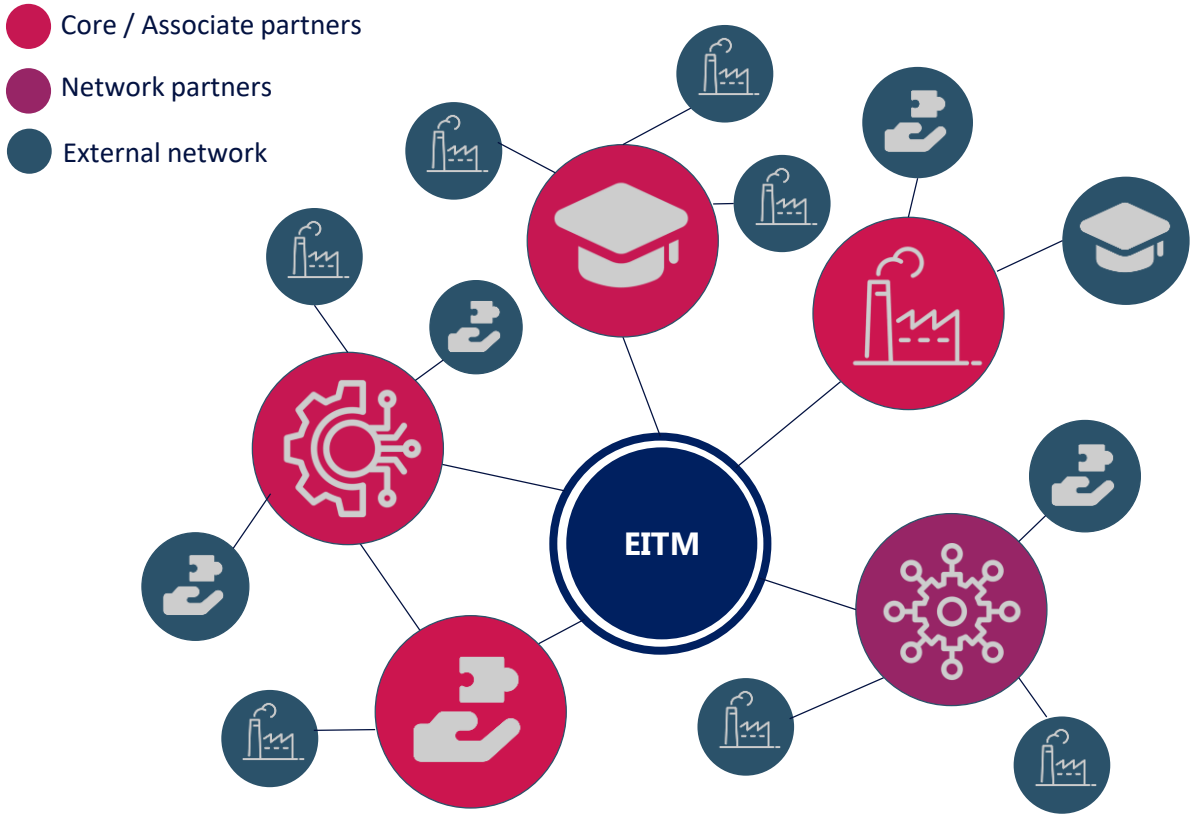
Evaluation of solutions

Roadmap and scenarios

Manage pipeline of funding opportunities

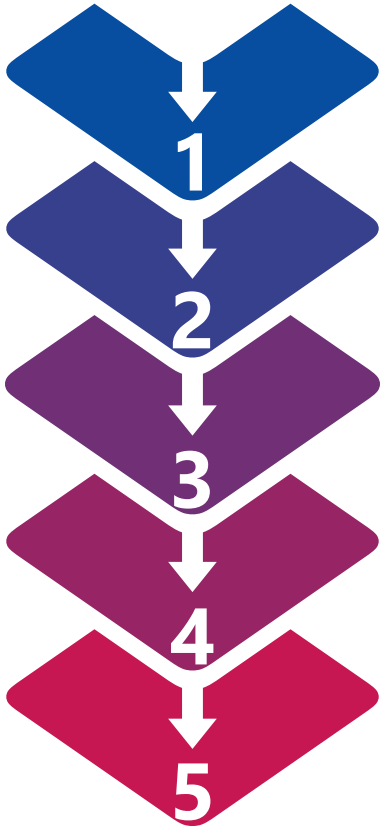
Support in execution of activity or project

EITM network of partners and connections



Being a network hub; EITM creates several engagement opportunities for our partners throughout the year

The value creation process of EITM for industrial users



Identification of challenges

Evaluation of solutions

Roadmap and scenarios

Manage pipeline of funding opportunities

Support in execution of activity or project

Engagement Opportunities Include

- **EITM funded R&D projects**
  (Innovation OPEN Calls)
- **EITM funded Upskilling & Reskilling projects**
  (Education OPEN Calls)
- **EITM funded Startup/SME scouting and PoCs**
  (Business Creation OPEN call & Service)
- **Pillar 2 HORIZON**
  (identify or create project opportunities)
- **B2B matchmaking** events
- **Enabling new 1:1 business relationships**

Core Partners

1.EIT Manufacturing Innovation OPEN call

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Call opens:
September, 19th 2023, 00:00 CEST
Call closes:
November, 20th 2023, 00:00 CEST



APPLY STARTING 19 SEPTEMBER 2023

The Second Call for Proposal 2024 is now open!

More details on the Call webpage.

Discover more

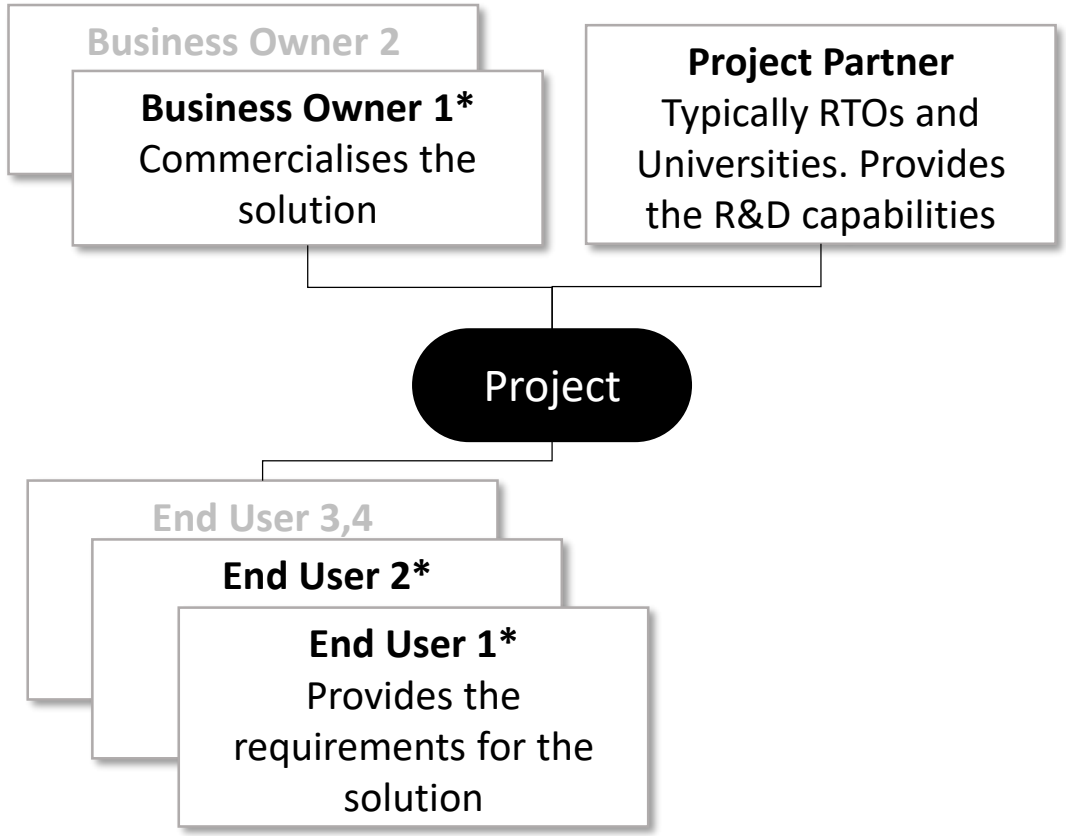
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Aiming to bring solutions to the market

- Opens for 2 months, twice a year
- Starting TRL 6/7, Ending TRL 9
- Market reached within 1 year
- Min. 1 business owner
- Start-up creation is a plus
- 12-18 month project lifetime
- < 900k Euro funding / project
- Up to 70% funding
- ~4-6 partners
- 2 CLCs / 3 countries is a must
- Innovation Services Fee

The typical project consortium structure includes 1 BO and 2 End users from 3 countries



*Min. Eligibility requirement

Example | EIT Manufacturing Innovation Projects

Quality Control

1.Closed loop quality control with Xray inspection of casted parts
Project X-rAI



2.Automated inline control for surface contaminations with AR operator feedback
Project LOVICOSPEC





3.Inline NDT control for case hardened components
Project NDT Inspection



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Example | EIT Manufacturing Innovation Projects

Automation and robotics

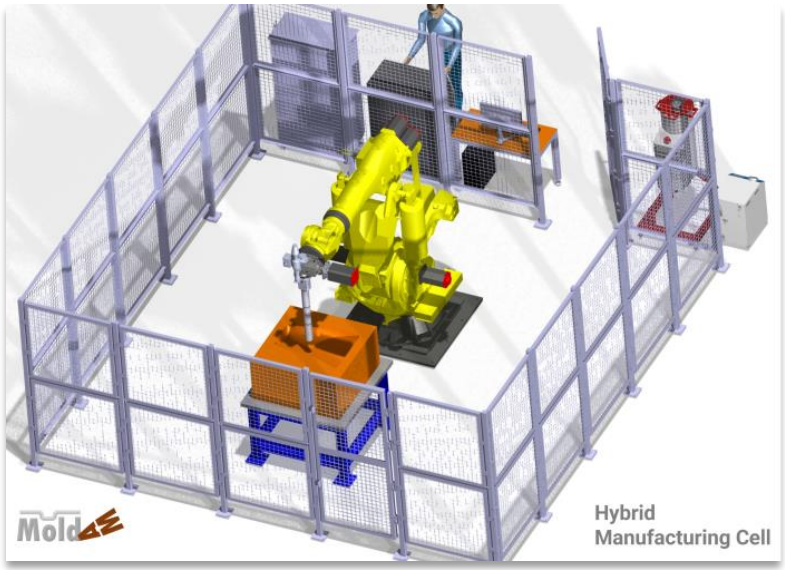
1.Automated Battery disassembly

Project Flex-BD



2.Flexible Mold Production

Project MOLDAM



3.Motion Imitating Robotics

Project RoboTwin

ROBOTWIN

MOTION IMITATING ROBOTICS



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Example | EIT Manufacturing Innovation Projects

Energy management

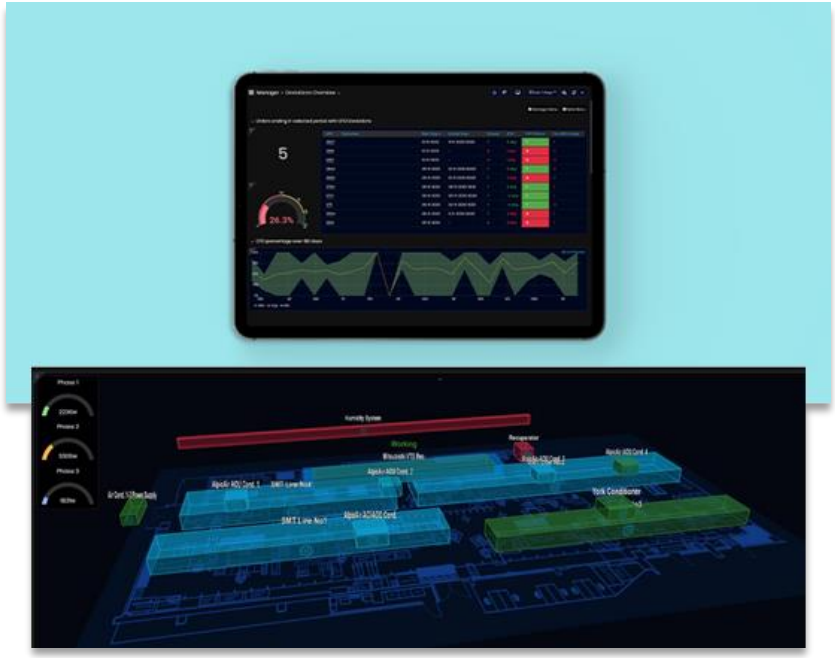
Product/Process traceability for decarbonization

Project Chaintraced



Energy Optimization in Production Planning with IoT based closed loop control

Project SUS4



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2.EIT Manufacturing TRANSFORM Call 2023

Driving innovation in European Manufacturing

- **Second cut-off date:** October 9th, 2023
- **Third cut-off date:** November 9th, 2023
- **Fourth cut-off date:** December 1st, 2023

EIT Manufacturing Business Creation team will **support the collaboration between corporates and SMEs with the best-fitting startup partners** for further development and pilot project implementation, providing guidance, support, and financing during the pilot project.

Goal: Supporting pilot projects between manufacturing corporates or SMEs and startups

Scope: A specific industrial challenge aiming to implement new technologies that will be further co-developed and integrated into their business operations and production

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Example | Startup scouting and PoC

Ford selected Azitec to make the biggest European factory more efficient

CHALLENGE Asset tracking for operations optimization



INNOVATION An asset tracking system that aims to reduce losses of returnable transport items by up to 7%.

By attaching low-cost active tags to every asset, organizations can track the inventory status, location, and oversee circular supply chains in real-time.

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Example | Startup scouting and PoC

Roboception is a strategic partner, enabling several KUKA marketed products

CHALLENGE Reliable and lean quality assessment for shared Production Assets



INNOVATION **Roboception offers innovative 3D vision hardware and software solutions that enable any robotic system to reliably perceive its environment in real-time with drag & drop programming**

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Thank you!

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