



**CELTIC-NEXT**



# Proposers Brokerage Day

24<sup>th</sup> February 2025, Barcelona

**Pitch of the Project Proposal**

**DataMind AI**

***egesys*** )))

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## DataMind AI – Transforming Manufacturing with AI-Driven Intelligence

### What is the Main Benefit of the Idea/Proposal?

- AI-powered automation & decision support for manufacturing enterprises.
- Reduces manual workload by optimizing workflows and automating repetitive tasks.
- Enhances operational efficiency, quality control, and predictive maintenance.
- Seamless integration with enterprise systems for data-driven decision-making.
- Scalable & flexible AI infrastructure, continuously evolving with business needs.

# Teaser

## DataMind AI – Transforming Manufacturing with AI-Driven Intelligence

### What Makes the Added Value?

- Open-source AI foundation (DeepSeek, Mistral, Llama, Falcon, PyTorch, TensorFlow).
- Fine-tuned AI models trained on company-specific data for accurate insights.
- Custom AI-driven modules for IT support, procurement, predictive maintenance, and quality control.
- Seamless interoperability with enterprise databases, ERP, and IoT systems.
- Secure & private AI implementation, ensuring compliance with company policies.

# Teaser

## DataMind AI – Transforming Manufacturing with AI-Driven Intelligence

### Why Should I Participate in the Project?

- Accelerate digital transformation and gain a competitive edge.
- Reduce costs & optimize resources through AI-driven efficiency.
- Enhance decision-making with real-time insights and predictive analytics.
- Be part of an innovation-driven ecosystem, shaping the future of AI in manufacturing.
- Future-proof your business by adopting cutting-edge AI solutions.

# Organisation Profile

Egesys (Ege Sistem Bilişim Hizmetleri Sanayi ve Ticaret Ltd. Şti.) is an SME specializing in mentoring programs, software solutions, training, and consultancy in key areas such as R&D, Innovation, Entrepreneurship, Industry 4.0, and Digital Transformation.





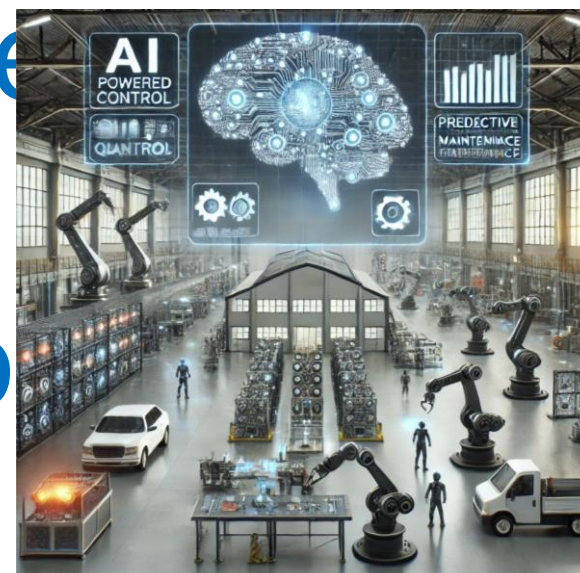
# Proposal Introduction (1)

**Vision:** Leverage AI to optimize manufacturing processes, automate decision-making, and enhance operational efficiency.

**Motivation:** Manual processes lead to inefficiencies, delays, and high costs. AI-driven automation and predictive analytics enable smarter workflows, reducing errors and boosting productivity.

## Content

- AI-powered automation for IT support, procurement, predictive maintenance, and quality control.
- Open-source AI framework fine-tuned with company data for enterprise-specific solutions.
- Seamless integration with manufacturing systems, ERP, and IoT platforms.



# Proposal Introduction (2)

## Expected Outcomes:

- AI-driven automation enhances operational efficiency and reduces costs.
- Predictive maintenance minimizes downtime and improves machine reliability.
- AI-powered procurement and quality control optimize resource utilization.
- Improved decision-making through real-time data insights.

## Impact:

- Increases productivity by reducing manual workload and repetitive tasks.
- Enhances manufacturing agility and competitiveness.
- Strengthens AI capabilities for future enterprise innovation.

## Schedule: Project Duration 36 months

- Phase 1 (M 1-6): AI framework selection & data collection.
- Phase 2 (M 7-18): AI model training, integration, and testing.
- Phase 3 (M 19-30): Deployment, optimization, and fine-tuning.
- Phase 4 (M 31-36): Full-scale implementation & continuous improvement

# Partners

## Existing Consortium & Involved Countries:

- Türkiye: Egesys, NURSAN, Projesis
- Country Representation: Türkiye (Turkish consortium is full).
- Need for International Partners: Looking for partners from other countries.

## Expertise & Profiles Sought:

- AI & Machine Learning Experts: Specializing in NLP, predictive analytics, and AI-driven automation.
- Manufacturing & Industrial IoT Specialists: Experience with AI-powered process optimization.
- Enterprise Software Developers: Integration with ERP, MES, and manufacturing execution systems.
- Academia & Research Institutions: AI model training, data security, and compliance.
- Business & Innovation Consultants: AI adoption strategy and digital



# Partners



## Types of Partners:

- AI R&D firms, universities, and technology providers.
- Manufacturing enterprises adopting AI for process improvement.
- Companies working on enterprise AI, automation, and industrial applications.

# Contact Info

**For more information and for interest to participate please contact:**

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**Presentation is available via:**



# Join the Consortium Building Sessions

## NOTE:

CELTIC organizes Consortium Building Sessions to foster the partner search for you. Please indicate your availability within the 25-28 February via

<https://polls.eurescom.eu/XV0ZTgdEQg/>

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Please fill in the poll with your availabilities indicating **PROPOSAL NAME, your name, your organization**

