CELTIC-NEXT
Proposers Brokerage Day
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Pitch of the Project Proposal
DataLoreAI

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Teaser

DataLore 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, energy management, quality control, and predictive maintenance.
- Seamless integration with enterprise systems for data-driven decision-making.
- Scalable & flexible AI infrastructure, continuously evolving with business needs.

Organisation Profile

VBT Software – Company Snapshot

Founded: 1993 | **Headquarters:** Istanbul, Türkiye

Listed on BIST: VBTYZ since 2021

Employees: 300+ | Offices in Türkiye, USA, UK, EU, UAE

Core Competencies:

- AI-powered software development
- Legacy system modernization (IBM Z, Mainframe)
- Cloud-native enterprise platforms
- IT automation & service management

Key Markets: Finance, Telecom, Aviation, Public Sector, Retail

Strategic Partners: IBM (Platinum), BMC Software (Elite)

Edge: End-to-end digital transformation with strong R&D and real-world delivery capabilities

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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, smart energy management, predictive maintenance, and quality control.
- Open-source AI framework fine-tuned with company data for enterprise-specific solutions.
- Seamless integration with manufacturing systems, ERP, MES, 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, smart energy management, 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: Poject Duration 36 months
- Phase 1: AI framework selection & data collection.
- Phase 2: AI model training, integration, and testing.
- Phase 3: Deployment, optimization, and fine-tuning.
- Phase 4: Full-scale implementation & continuous improvement

Partners

Existing Consortium & Involved Countries:

- Türkiye: VBT Software, NURSAN
- Country Representation: Germany, Great Britain, Portugal, Spain and Türkiye.
- Need for Partners: Seeking project partners from all countries (excluding Türkiye).

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.

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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

12. September
from 15:00-15:45 CET

Connection details:
Via
www.celticnext.eu/new-ideas