

TENTA – Tools for Enterprises to Leverage Artificial Intelligence

Background

The global adoption of AI and machine learning has surged, but Finnish businesses still face challenges in adopting AI technology, mainly due to high costs and a lack of expertise. The TENTA project aims to help small and medium-sized enterprises (SMEs) adopt AI, including large language models, without use of expensive hardware or cloud computing.

As AI becomes more widespread, staying current with the latest technology offers a competitive advantage. The project focuses on developing AI models, tools and examples that enable rapid adoption for SMEs, refined in collaboration with business partners in (South-) Ostrobothnia for broad industry applicability.

Goals and solutions of the TENTA project

1. The TENTA project develops tools, examples, and user guides for SMEs.
2. SMEs can utilize AI without large hardware or software investments.
3. The latest technology can offer companies a competitive edge.

Technical foundation and project results

The project utilizes fine-tuning and transfer learning of pre-trained models. Utilizing complex models with reasonable resources. The software, examples, and user guides produced in the project will be made available to everyone.

TENTA-project workshop 20.5.2026

- Would you like to learn how to deploy an AI model to your own workstation?
- Would your company benefit from AI – made sales forecasts?
- Would you like to learn how your company should prepare data to be used by AI?

The TENTA project will arrange a workshop on May 20th in the FRAMI premises in Seinäjoki. Come and find out why you and your company could benefit from “Tools for Enterprises to Leverage Artificial Intelligence”

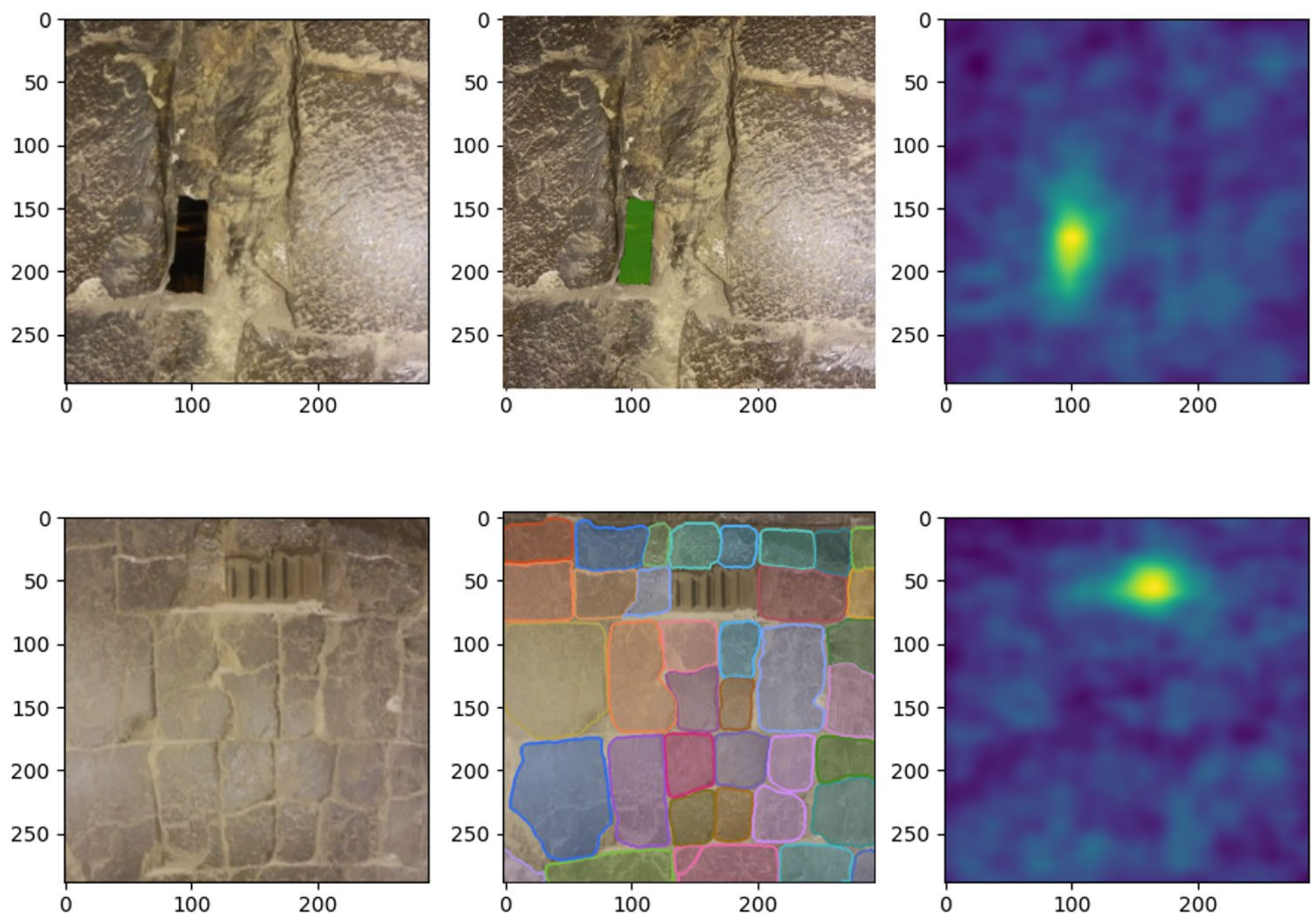


IMAGE 1 AND 2. AI-based visual anomaly detection from brick walls. Left sub-image: input; middle sub-image: prompt-based AI (SAM) result; right sub-image: unsupervised anomaly detection result. (Zhou et al, 2023; Carion et al, 2025)

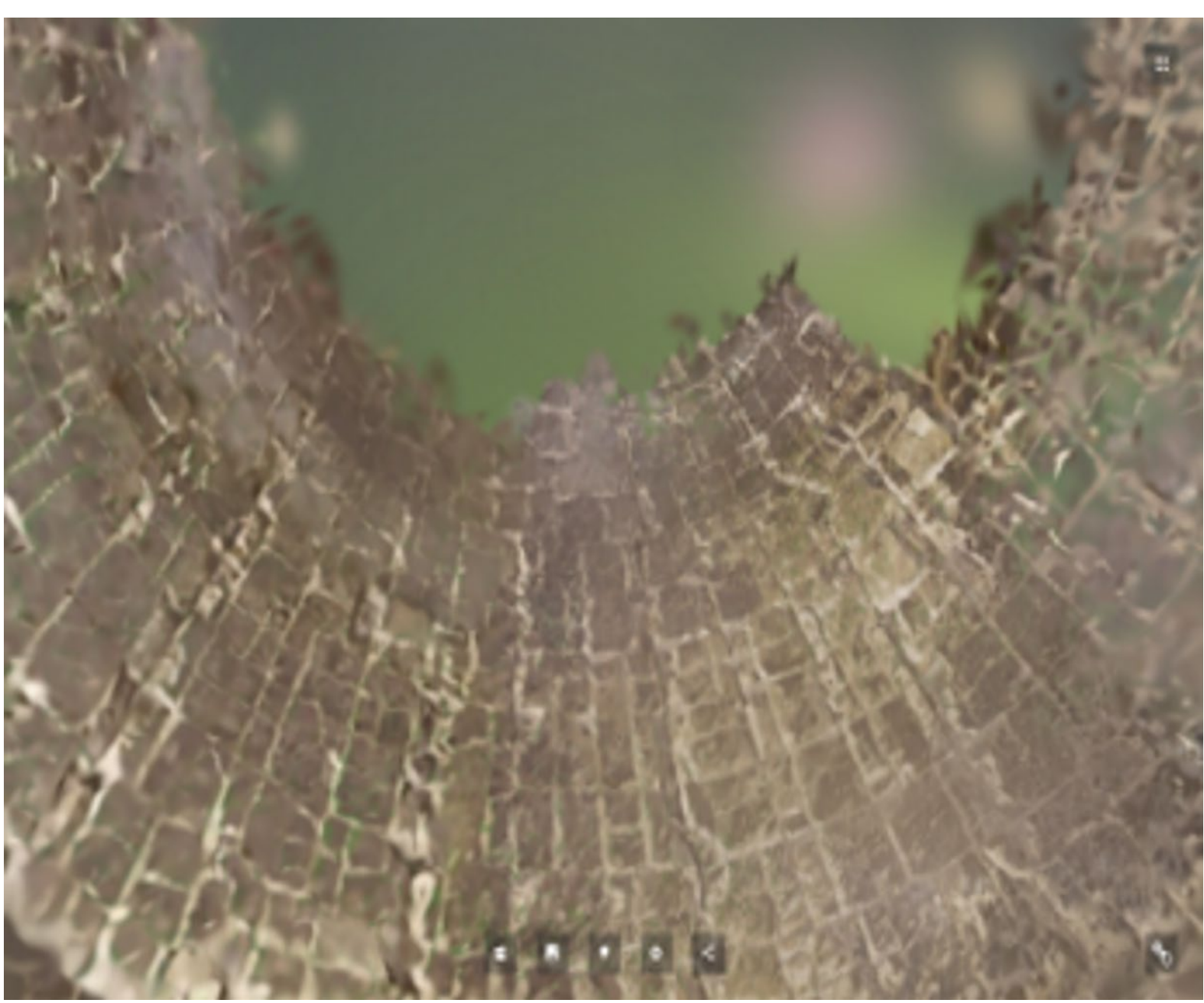


IMAGE 3. AI-reconstructed 3D model of the Image 4 chimney.

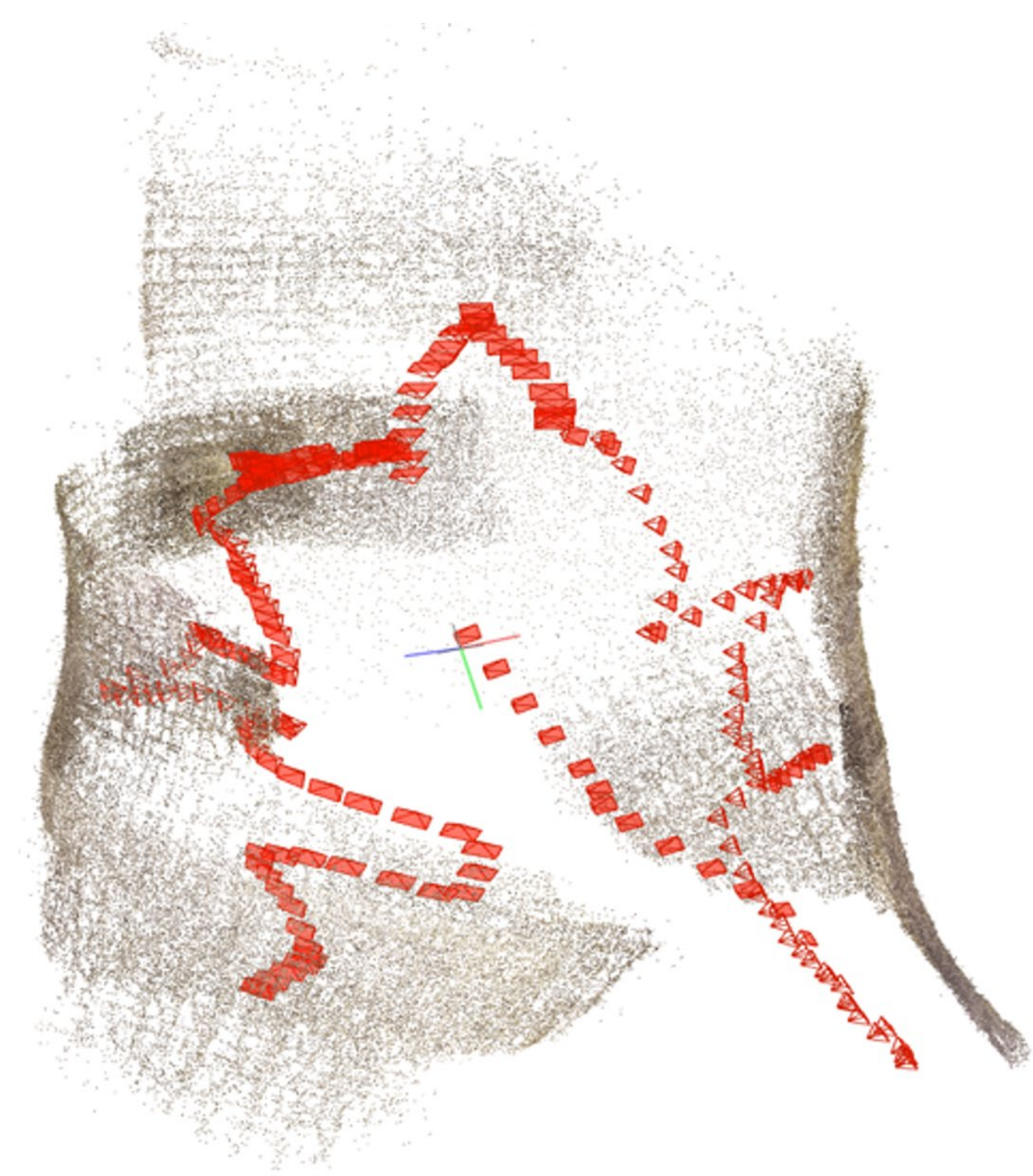


IMAGE 4. Visual data based drone positioning with simultaneous mapping of the environment.

References

Chapman, P., Clinton, J., Kerber, R., Khabaza, T., Reinartz, T.P., Shearer, C., & Wirth, R. (2000). Crisp-dm 1.0: Step-by-step data mining guide

Carion, Nicolas, et al. "Sam 3: Segment anything with concepts." arXiv preprint arXiv:2511.16719 (2025).

Zhao, Xu, et al. "Fast segment anything." arXiv preprint arXiv:2306.12156 (2023).

CRISP-DM Process

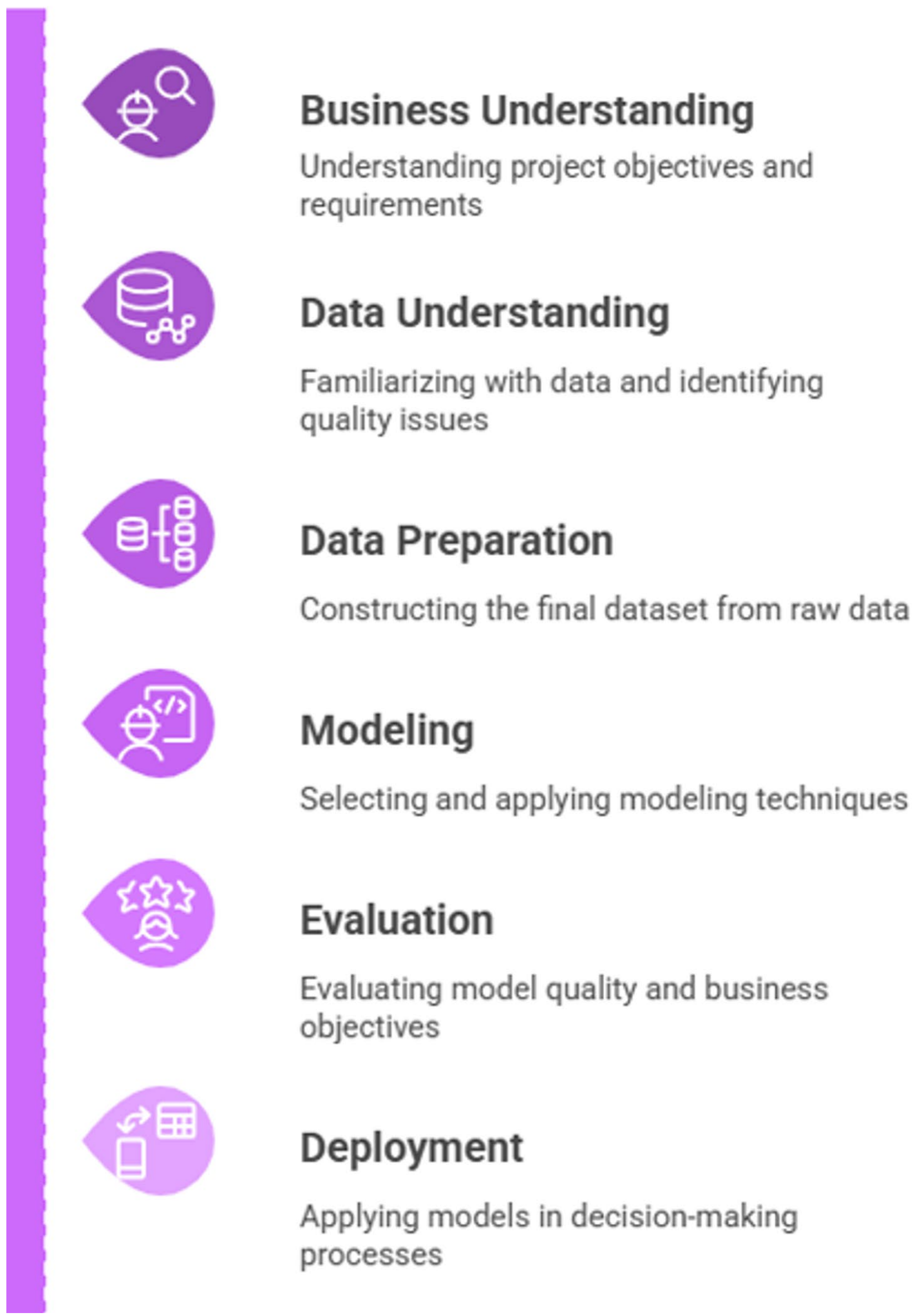


IMAGE 5. CRISP-DM process for applying AI solutions in the industry (Chapman et al. 2000)

Project partners



University of Vaasa
VAASAN YLIOPISTO

Funded by



Co-funded by
the European Union



ETELÄ-POHJANMAAN LIITTO
Regional Council of South Ostrobothnia



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