

Project Study

“AI-Driven Project Management”

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Topic

Project Management, especially for complex large-scale construction and machinery projects, is digitally evolving. The increasing availability of project related information demands **digital solutions** to generate insights and effectively implement specific methodologies. Data Analytics and Project Intelligence allow us to investigate the past and make data-driven decisions for the future in the project, but recent advancements of **Artificial Intelligence (AI)** offer a transformative potential to effectively analyze the past, confidently look into the future, and further improve state of the art project management methods. However, a substantial gap exists between the ideal state of AI-driven approaches and current practices. Therefore, companies must explore and research how to implement AI models to **foresee potential issues** and **proactively create countermeasures**.

The project study focuses on the following question: **“How can AI models be applied to project management?”**

Thereby, among others, the following questions are crucial:

- What are the interconnections / logical connections between different risk drivers / key risk indicators (KRIs)?
- Is all available project data valuable?
- How can predictive insights assist project managers in foreseeing potential issues and devising countermeasures?
- What are the best practices and potential challenges regarding the selection and implementation of AI models in similar industry settings?
- What costing, pricing, and marketing strategies are behind top-performing companies that drive the AI-transformation?

Deliverables:

- A comprehensive report including:
 - Current state-of-the-art AI solutions for KPI tracking and forecasting in projects.
 - Interview design, execution and documentation of Project Management experts' interviews (Contacts will be provided by CONBENE Improvement GmbH).
 - What makes a project manager human?
 - Which aspects of a project manager's role could be enhanced with AI?
 - Strategic-level overview of suggested models/solutions for AI-driven project management, including pre-identified valuable data sources and relationships derived from the expert interviews.
 - Recommendations of **scaling**, **costing**, and **pricing** strategies for the suggested solutions and selected current CONBENE-Developments.
 - The way forward!

Requirements:

- Independent, committed, and methodical way of working.
- Interest in strategic topics and innovation in project execution.
- Focus of study in Data Science, Statistics, Business Engineering, Sociology, or similar.
- Experience with data analysis tools and programming languages such as Python or R is considered an asset.

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“AI-Driven Risk Management in Projects”

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Join our journey:

Are you looking for outstanding teamwork and always excited about new challenges? Are you keen on working on future topics in Lean Management consulting? Then you have come to the right place!

Become part of the CONBENE Improvement GmbH success story by joining us **for 3-4 months full-time / 4-6 months half-time in a team of 2-5 students** (M.Sc. or B.Sc.) as part of your academic curriculum.

Please send your application exclusively by e-mail and include all supporting documents to:

Mihovil Cuzic | mihovil.cuzic@tum.de

Johann Hernandez | j.hernandez@conbene.de

About CONBENE Improvement GmbH:

Our mission is to continuously enhance performance in the construction, plant engineering, and prefabrication industries - because 'Improvement never stops.' Our clients are doers, creating tangible value. We are not just consultants, but true operational partners embedded within companies and project organizations. Together with clients, we actively engage in the work. Customer satisfaction is our driving force; Lean is our business. Our approach combines advanced project management, lean principles, and digital solutions to create a unified, transparent, and highly efficient environment. Unlike traditional project management firms, lean consultants, or software providers, we integrate these disciplines into a systematic, holistic framework or toolchain, delivering superior results."

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Mihovil Cuzic | mihovil.cuzic@tum.de

Johann Hernandez | j.hernandez@conbene.de

**CONBENE
Improvement GmbH**

Karl-Mantel-Straße 37
86381 Krumbach

info@conbene.de
+49 (0) 8282 8260 329
www.conbene.de