





DELIVERING DIGITAL TRANSFORMATION





INDUSTRIALISATION, SIMPLIFIED

The Smart Construction Platform will enable advanced project management, predictive maintenance, ESG tracking, and SME development through cloud-based infrastructure and AI integration.



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OVERVIEW

The Smart Construction Platform revolutionizes the construction industry by implementing best practices from manufacturing. It supports industrialization of construction through takt production process, digital transformation, Aldriven workflows, and ESG-compliant practices.

Deploying the takt production process has proven to reduce lead times by up to 50% in Finland and Germany, with similar results in South Africa. The platform integrates digital twins and data-driven insights to optimize workflows, improve governance, and enhance productivity. Al-driven automation ensures streamlined planning, procurement, and material management. Workers receive task instructions through dedicated dashboards, akin to advanced factory operations.



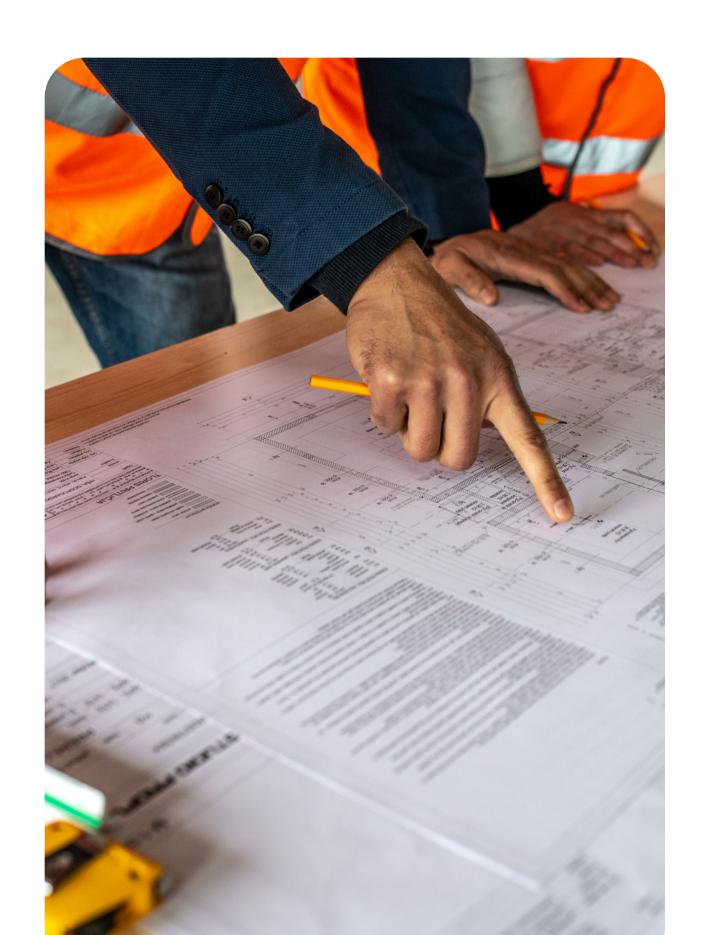






CORE FUNCTIONALITIES

- Integrated Project Management: Takt scheduling, resource optimisation, and real-time monitoring.
- Digital Twins and Predictive Maintenance: Aldriven insights for optimised construction outcomes.
- ESG Compliance: Automated tracking and reporting for sustainability goals.
- Data Insights: Advanced analytics dashboards for decision-making.
- SME Development Tools: Training programs, funding access, and market inclusion.

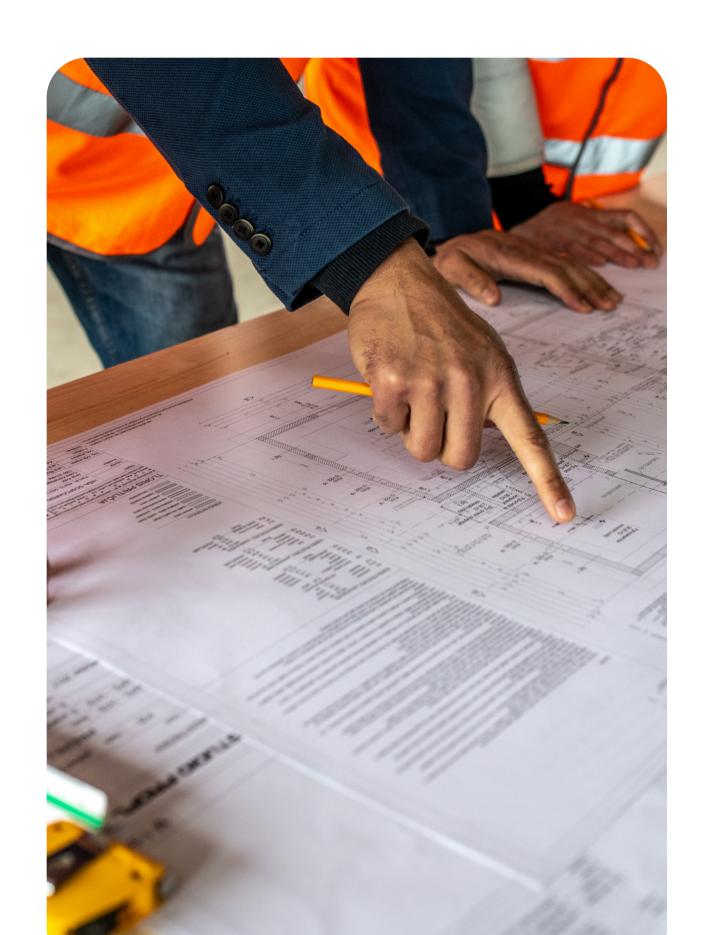






STRATEGIC BENEFITS

- Productivity: Reduced lead times through optimised workflows.
- Sustainability: Lower carbon emissions and resource waste.
- Economic Growth: SME development and job creation.
- Scalability: Cloud-native infrastructure enables nationwide implementation.







BUSINESS BENEFITS

- **Economic Impact**: Cost optimisation through digitised workflows.
- **Scalability**: Cloud-native solutions ensure seamless growth.
- **Sustainability**: ESG-compliant operations and reduced carbon footprint.
- Workforce Development: Upskilling programs for SMEs and local contractors.
- Regulatory Compliance: Alignment with sustainability and governance standards.

