



Jacobs

Transforming Asset Tagging with Automation

DIGITAL TRANSFORMATION SPECIALISTS



unipro

Success story



The Challenge

Manual asset tagging in infrastructure and construction projects is slow, error-prone, and unsustainable for large-scale projects. Engineers and architects face inefficiencies, with a throughput of only 1-2 assets per minute, leading to inconsistent data, delays, and rising costs.



The Solution

Following a detailed consultative engagement, Jacobs appointed Unipro to develop an automated tagging tool that integrates with 3D modelling platforms like Autodesk Civil 3D and Revit, which delivered:

Automation: Automatically extracts, classifies, and tags objects from 3D models.

Phased Precision: Sequential processing ensures accuracy with dynamic updates.

User-Friendly Controls: An intuitive interface allows verification before committing changes.

Customisability: Configurable rules for diverse project types.

Scalability: A modular framework supports multiple platforms and future integrations.

The Results

10,000% Efficiency Boost: Increased tagging throughput to 100–200 assets per minute, completing large projects in days.

80% Improvement in Data Quality: Consistent and reliable tagging, even with evolving designs.

95% Cost Reduction: Freed up resources, reducing costs and allowing focus on high-value activities.

Streamlined Workflows: Eliminated manual effort and fatigue, enabling innovation.

Future-Ready Framework: Modular design ensures adaptability for evolving project needs.



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Big enough to deliver
Small enough to care

Reimagine Your Workflows with Automation

Discover how tailored automation solutions can revolutionise your operations.



Contact us today to start your transformation.