

An aerial photograph of a city skyline, featuring a prominent yellow bridge over a river, with various buildings and greenery in the background.

Work Planner + Auto Packager

Streamline Capital Projects with AI Automation

All assets in public buildings and infrastructure need ongoing maintenance and future planning to ensure consistent service levels. While day-to-day maintenance is usually covered in operational budgets, large capital projects require advanced planning.

Work Planner is designed to help organizations manage and optimize their asset maintenance and capital improvement projects by transforming raw data into actionable project plans, ensuring efficient resource allocation and cost savings.

Work Planner + Auto Packager delivers new AI capabilities to automatically bundle projects, aligning them to meet organizational needs and achieve the best possible return with the least amount of rework.

Introducing Work Planner with Auto Packager – a more complete capital planning system

With our capital planning solution, organizations can assess their infrastructure and building portfolio to find, cost, and bundle individual capital projects. Functioning as an extension of our scenario-builder product, Predictor, Work Planner has always tracked the projects and outcomes it identifies. But now, in just a few clicks, Auto Packager leverages AI to intelligently order and bundle these projects, ensuring operational and fiscal efficiency. This not only saves time and money during planning but also prevents costly rework in the field, enabling a seamless transition to execution-ready projects.

Benefits

- **Automates** project creation in Work Planner by importing Predictor scenarios, eliminating manual setup and reducing configuration time from days to minutes, especially for facilities and non-spatial assets.
- **Ensures** comprehensive and automated project creation, preventing missed assets or treatments during planning.
- **Optimizes** data for Public Works Directors, enabling its use across all asset types and divisions (utilities, roads, stormwater, etc.) when planning capital projects.
- **Minimizes** service disruptions for all public assets by bundling projects and limiting downtime.
- **Supports** organizations managing large portfolios of facilities, treatment plants, or non-spatial assets, particularly where manual bundling is challenging.
- **Streamlines** project creation for city leadership, finance, and budget departments, enhancing financial and operational efficiency.
- **Creates** powerful visuals to help with communication and stakeholder buy-in.

Supports optimization by:

- Leveraging Siemens AI to automate project grouping based on user-defined priorities and constraints, including budget limits.
- Bundling scattered spend into projects to save costs and prevent expensive rework, reduce logistical overhead, and gain greater control over project creation and optimization.
- Defining custom rules for grouping projects by attributes such as location, asset class, street name, or vendor — supporting up to five attributes for the best optimization results.
- Allowing users to specify acceptable time ranges to delay or advance projects/treatments, enabling cost-effective and operationally efficient project packaging.
- Enabling bundling projects across funding sources and imposing budget limits.
- Interfacing with GIS to bundle projects by location or dependencies.

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