



# ASSET INVESTMENT OPTIMIZATION SUITE

## A COMPREHENSIVE VIEW OF AN ORGANIZATION'S ASSET HEALTH

### VALUE DELIVERED

#### Defendable Plan

- Fact-based plans provide justification for your asset investments to both internal and external stakeholders.

#### Improved Transparency

- Concise dashboards and reporting help C-level executives leverage real-time information to support agile decision making.

#### Higher Return on Investment

- Insightful CAPEX/OPEX information supports finance by identifying, analyzing and tracking costs, benefits and savings associated with assets and projects. Optimized portfolios drive lower overall capital costs and improved risk management, thereby reducing emergency repairs.

#### Increased Efficiency

- An accurate and consistent view of all assets helps asset managers explore both the short-term and long-range impacts of strategic decisions. Engineers and project managers can easily capture and document the business cases for both asset-based and needs-based projects.

PowerPlan provides an asset investment optimization solution that delivers a comprehensive view of an organization's asset health and provides the information and control needed to align asset strategy with the overall organizational goals.

With a heightened focus on asset management and industry standards such as ISO 55000, the demands on asset-intensive organizations have increased significantly. Traditional methods of managing assets and disparate systems do not provide a complete view of assets, making it difficult for organizations to achieve operational and planning objectives.

PowerPlan's Asset Investment Optimization Suite provides robust decision support which helps organizations build their asset management plan within their optimal financial and risk profiles with a direct line of sight to strategic objectives.

*"The comprehensive asset plans produced by the software provide assurance to regulators and other stakeholders that we have economic and sustainable asset lifecycle plans in place and the details of those plans are sufficiently comprehensive to produce a complete annual program of works."*

Michael Schulzer  
Principal Asset Strategy Engineer, ActewAGL

### Solutions to address your specific industry



Public  
Sector



Water &  
Wastewater



Electric



Facilities



Gas



Transportation

## ASSET INVESTMENT PLANNING SUITE – KEY FEATURES

### Asset Register

Maintain a register of all in-service or planned assets with details such as asset type, location, condition and inspection history. Relate assets together to develop synergies between asset strategies.

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### Configurable Predictive Strategies

Build predictive strategies for all types of assets and lay those strategies over individual assets, taking into account age, condition and risk of failure.

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### Event and Demand Forecasting

Based on individual asset age, condition and risk, develop asset work plans that forecast repair, renewal and replacement activities.

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### Risk Analysis and Mitigation

Measure individual asset risk of failure through an understanding of the asset's location, age, condition and fitting failure curves based on the type of asset. Mitigate risk by building asset management plans that address high risk assets.

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### Prioritized Project Planning

Define your own prioritization factors and formulas. Built-in tools simplify weighting, pair-wise comparison and testing of your prioritization formulas.

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### Asset Investment Planning

Develop fact-based, strategic capital planning decisions built from the bottom up with individual asset strategies. Align the investment portfolio with a direct line of sight to the strategic corporate objectives.

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### Multi-Variant Optimization

Review budgets over the next 100 years and determine the optimal schedule for executing projects based on multiple variables, including project cost, benefit, risk, and strategic alignment.

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### Scenarios and “What-If” Analysis

Allows for an unlimited number of What-If scenarios to be run to evaluate multiple portfolio investment approaches. Scenarios can then be analyzed against each other for comparative purposes to help identify the best investment strategy.

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### Automated Plan Generation

Along with a variety of outputs, generate a formatted, ready-for-delivery set of plans – both capital and operational – with the click of a button. These documents provide complete, defensible and evidence-based support for your organization's future activities and investments.

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### Enterprise Integration

Two-way integration that allows you to model using current data, extracted in real time from your key data sources, including enterprise asset management (EAM), geographic information system (GIS) and enterprise resource planning (ERP) systems.



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