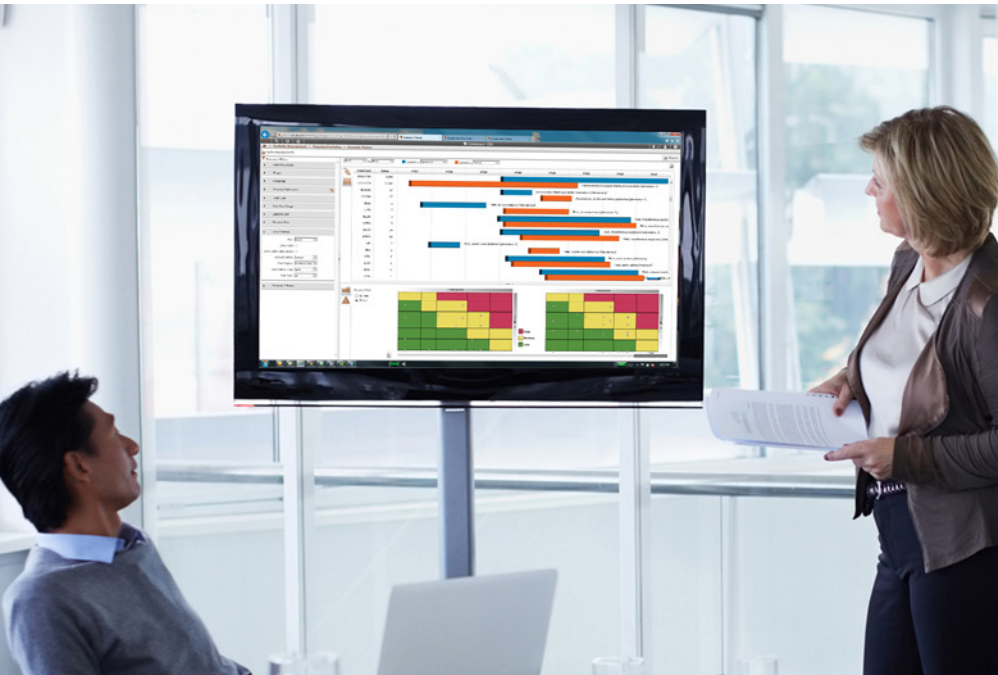


C55 Investment Decision Optimization Solution



Copperleaf Decision Analytics

Assets are aging and budgets are tight, yet expectations are higher than ever. Where should you focus your limited resources: on upgrades, maintenance, replacement or growth? Which projects merit funding? Which investments will deliver the greatest value, or mitigate the most serious risks?

Make faster, smarter, and more strategic decisions with innovative solutions from Copperleaf™. We leverage operational and financial data to empower organizations like yours to make the highest value investment decisions.

Make the highest value decisions

The ISO 55000 asset management standard states that assets exist to provide value to the organization and its stakeholders. Asset-intensive industries continuously invest in their assets to ensure they are delivering that value. Making the right decisions requires that the value each investment delivers be aligned to your strategic objectives—and balanced against funding, resource, and timing constraints. The **Copperleaf C55™ Investment Decision Optimization** solution can help you identify the optimal combination of investments and timing that respect all constraints, and deliver the greatest value to your business. Make the highest value asset investment decisions with **Copperleaf C55**.

Create the optimal investment strategy

Delivering the highest value means doing the right projects at the right time. This is no easy task for organizations that deal with hundreds of candidate investments, with multiple alternatives and start dates to consider. Finding the optimal solution is impossible using traditional methods.

C55's powerful optimization capability can evaluate the vast number of possibilities and identify the highest-value investment plan within minutes. Create any number of "what-if" scenarios to compare and contrast the impact of different funding strategies, timing and resource levels on asset risk and value. C55 helps stakeholders quickly come to agreement on the best overall investment strategy and can help your organization save millions of dollars in hard and soft financial benefits each planning cycle.



> **Copperleaf C55** is a unique Decision Analytics solution that helps asset-intensive organizations decide where and when to invest in their businesses to optimize performance and manage risk.

C55 is highly modular and configurable, and integrates seamlessly with existing EAM, APM, ERP, GIS and a variety of other systems—empowering organizations to turn data into decisions.

Align decisions with your strategic objectives

The Copperleaf C55 Investment Decision Optimization solution can help you make difficult investment decisions objectively, across your entire organization. Its unique Value Framework makes it possible to consistently assess the value of every investment, and align decisions to the strategic priorities of your organization. Any number of “value measures” can be considered, including mitigated risk, financial and non-financial benefits, improvements to Key Performance Indicators (KPIs), and more. C55 evaluates how an investment contributes to each value measure and aligns that value to a common economic scale. Even the most dissimilar investments can be compared so that difficult trade-off decisions can be made with confidence.

Manage risk effectively

An asset failure can have serious consequences. C55 provides a platform for organizations to develop comprehensive and up-to-date plans for critical infrastructure—to ensure ongoing performance and reliability, and deliver on the company’s strategic objectives.

C55 enables organizations to identify and track asset-related and non-asset-related risks, and predict how these will change over time. Any number of risk types can be specified and modeled, including safety, environmental, lost revenue, reputation, etc., making it easy to understand the different types and levels of risk associated with each investment strategy being evaluated. Optionally, asset condition data and degradation curves can be modeled to determine the overall risk profile of your assets. C55 can automatically calculate risk for large populations of assets using degradation curves for asset classes, characteristics of individual assets (e.g. pipe material), and situational data (e.g. proximity to populations).

Improve the efficiency & effectiveness of your planning processes

C55 provides an enterprise-wide platform for organizations to streamline the process of developing, approving, and managing investments through their full lifecycle. Sensitivity analyses can easily be performed to accelerate the decision-making process. C55 ensures all investment decisions are based on “one source of the truth”, enabling planning teams and other stakeholders to operate more efficiently and collaboratively as projects evolve from idea to execution. C55 provides all stakeholders with real-time access to the most current data, for more efficient and transparent decision making across organizational boundaries.



> Scenarios are a unique capability in C55 that allow organizations to explore multiple versions of your plans. Rich reporting tools and dashboards make it easy to visually compare and contrast the timing, costs, risks, and value of various investment strategies.



“The ability to see the impact various funding levels had on our risk profile provided the information we needed to make an informed decision.”

— Jim Clune, Hydro Asset Planning Federal Hydro Projects
Bonneville Power Administration