

# ASSET INVESTMENT PLANNING & MANAGEMENT





## Make the Highest Value Investment Decisions

Billions of dollars are being invested each year to sustain the infrastructure we rely on each and every day. For electricity, natural gas, water, transportation, or any other asset-based industry, making the right decisions is becoming increasingly challenging. Organisations are being asked to do more with less, but are expected to deliver reliable, safe, cost-effective, and environmentally responsible manner - today and in the future.

Being able to manage this effectively, across thousands of diverse assets, is no easy task. Managers must compare vastly diverging project justifications, and somehow decide which maintenance, replacement or growth projects will bring the most value to the organisation. They must weigh a diverse set of risks, benefits and costs, and identify optimal funding levels to balance near-term and long-term needs.

Above all, they must justify planned expenditures and defend their decisions to both internal and external stakeholders.

**In a world of aging assets, and limited financial and human resources, how do you decide which investments will deliver the greatest value, or mitigate the most serious risks?**

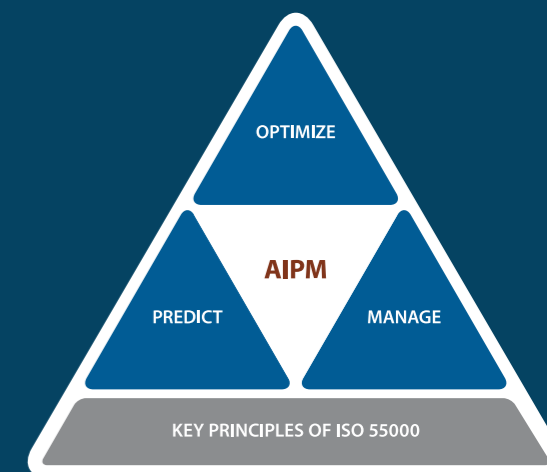
## AIPM | Asset Investment Planning & Management

Asset Investment Planning and Management is a best practice that helps asset-intensive organisations make complex investment decisions with confidence. It can help you identify and evaluate asset risks and opportunities, understand how they change over time, and make decisions that deliver the greatest value to your organisation.

### AIPM empowers businesses to make strategic decisions with confidence:

- Are you directing your available funding and resources to the things that deliver the most value to your business?
- Do you understand the risk profile associated with your asset portfolio and how this will change over time?
- Can you demonstrate the business consequences of reducing - or increasing - your capital investment or maintenance budgets over the next five years?
- Can you justify your planned asset expenditures to external stakeholders?
- Can you easily identify which projects to defer when there are funding or cash flow constraints?

Source: The Institute of Asset Management, "Asset Management - An Anatomy", Version 2, July 2014, Page 1.



### AIPM & ISO 55000

The ISO 55000 asset management standard is fast-becoming a very influential global business standard, focused on helping organisations realise the maximum value from their assets. AIPM is highly aligned with this standard, and provides an enterprise-wide platform that enables businesses to:

#### OPTIMISE

Optimise portfolios of investments to realise the greatest value: Identify the optimal combination of investment alternatives and timing that respect all funding and resource constraints—and deliver the greatest value to your business.

#### MANAGE

Manage portfolios to maintain the highest execution performance: Establish a more efficient and effective process to manage investments through their full lifecycle. Track variations between planned and actual performance and re-optimize plans to drive continuous improvement.

#### PREDICT

Predict the long-term needs of diverse assets: Forecast asset sustainment needs based on risk and economics, and create an investment strategy that maximises business value while proactively managing risk.



# Decision Analytics for Value Based Investment Strategies

## Copperleaf C55

Copperleaf C55 is a unique decision analytics solution that helps companies decide how and when to invest in critical infrastructure to optimise performance and manage risk.

### Higher value decisions

- Create an investment strategy that delivers greater value to your organisation, including risk, benefits and service level targets
- Align investment decisions to the strategic objectives, including risk, benefits and service level targets

### Staff efficiency improvements

- Improve the efficiency and effectiveness of your planning process
- Reduce the time and effort needed for justifications and approvals

### Superior business performance

- Track progress and update assumptions to continuously improve

### Integrated strategic & budgetary plans

- Proactively manage risk in your aging assets and infrastructure
- Compare different investment scenarios for both short- and long-term planning to optimise the use of scarce resources

Copperleaf C55 can be used collaboratively across your entire enterprise as the system of record for asset investment planning. It integrates seamlessly into your IT environment, to connect disjointed systems and data, and bring rigor, discipline and transparency to the decision-making process.

We take the time to understand your business so that we can deliver a solution that meets your unique needs. Our experienced AIPM consultants provide specialised implementation services, training, and support, to ensure a timely and successful roll-out across your organisation.



Copperleaf provides decision analytics to companies facing the challenges of managing critical infrastructure. We leverage operational and financial data to empower our clients to make investment decisions that deliver the highest business value. Copperleaf is a member of The Institute of Asset Management and actively participates in shaping the future of asset management standards, including ISO 55000. Headquartered in Vancouver, our solutions are distributed and supported by regional staff and partners worldwide.

[www.copperleaf.com](http://www.copperleaf.com)



ARMS Reliability is a global consulting firm, helping some of the world's largest resource, utility and power generation companies to achieve business goals through effective asset management and improvements in operational productivity.

At the forefront of asset management strategies and technology, our expertise, methods and tools empower clients to make proactive asset investment and management decisions that optimise capital expenditure, plant maintenance, reliability and availability at minimal cost and risk.

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