



Modules



DECISION
SUPPORT
TOOLS

Where Decision Science **Makes the Difference**

Unlock Smarter Asset Decisions with the **DST Evaluator Suite**

In today's asset-intensive industries, organizations face mounting pressure from aging infrastructure, escalating risks, rising costs, and shrinking budgets. The need for **transparent, robust, and optimized decision-making** has never been greater.

Decision Support Tools (DST) offers a transformative solution: **a modular, browser-based decision-support suite** that empowers asset managers to make smarter, faster, and more defensible decisions across the entire asset lifecycle.

Why DST?

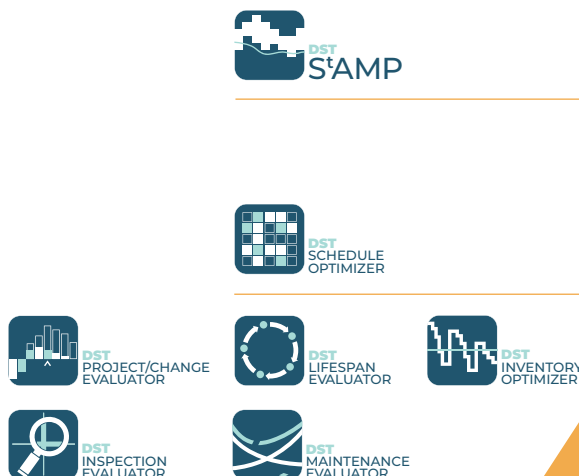
Unlike traditional enterprise-level modelling tools, DST is built on **decision science principles**—integrating data, process, human behaviour, and cross-functional collaboration. It enables organizations to **confidently navigate uncertainty, efficiently leverage tacit organizational knowledge, and build stakeholder consensus**—all while aligning with the latest ISO 55001 requirements for decision making.

DST is also:

- Quick to implement
- Scalable across teams and portfolios
- Intuitive to use
- Supported by expert training and facilitation services

Practical, effective solutions to real-world asset management problems

Use the modules individually or in combination to decide what's worth doing, why, and when across the full range of real-world asset management problems:

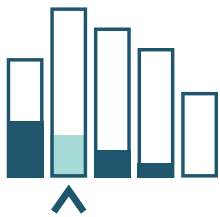


The tools are used in facilitated expert-led workshops that ask the right questions, of the right people, in the right way – leading to consensus decisions that are fully supported, justified and documented. This approach makes DST-driven decisions both efficient and effective, with software implementation typically becoming self-funding within the first 6 months of use.

Now available as a browser-based tool – contact us today for a free demonstration.

The DST Suite: Modules That Deliver

Each DST module is purpose-built to address specific decision-making challenges:



Make more informed decisions on asset replacement, refurbishment, upgrades, and new acquisitions. Evaluate how costs, risks and performance losses vary over time to determine optimal timing and life cycle strategy. Embedded capabilities include advanced financial modelling, reliability engineering, and scenario analysis to test assumptions and compare options. Whether extending asset life or selecting new investments, this tool delivers clarity and control across the entire asset life cycle.



DST
PROJECT/CHANGE
EVALUATOR

Confidently answer the question 'does this project (or change) stack up?' This module builds clear, consistent business cases—comparing and prioritizing options across financial, operational, and strategic dimensions. It even monetizes intangibles like safety, reputation, and compliance. With flexible cashflow modelling and scenario testing, you'll identify which projects deliver the best value. Whether it's a one-off asset-level intervention or a strategic initiative, DST helps you justify every decision with clarity and confidence.



DST
LIFESPAN
EVALUATOR

Optimise inspection, monitoring, and functional testing intervals to maximise asset performance and minimise risk. Make confident decisions on when to inspect or test assets—whether for predictive maintenance or hidden failure detection. Determine the right thresholds for alarms and remedial actions, and calculate residual risks, performance losses, and operating costs for any strategy - ensuring your inspection plans are data-driven, efficient, and future-ready.



DST
INSPECTION
EVALUATOR

Make smarter planned and preventive maintenance decisions by optimising different maintenance strategy options. Assess the value of condition monitoring compared with periodic maintenance; also the impact of different design or operational choices on maintenance needs. With embedded sensitivity testing and scenario modelling, this module calculates residual risks, performance losses, operating costs, and achievable asset life for any strategy. Drive value-for-money and reliability with data-backed maintenance decisions.



DST
MAINTENANCE
EVALUATOR

Optimise inventory and purchasing strategies by evaluating cost, risk, and performance across spares, materials, and supply chain options. Determine whether to hold spares, how many, and which purchasing strategy delivers best value. Optimise minimum and maximum stock levels, vendor choices, and holding strategies. Scenario testing and sensitivity analysis help compare options and assumptions, while calculating residual risks, performance losses, and operating costs. Whether managing slow-moving spares or consumables, this tool ensures evidence-based, optimised inventory control and supply resilience.



DST
INVENTORY
OPTIMIZER

Streamline shutdowns, outages, and turnarounds by identifying the most efficient timing and bundling of tasks. Evaluate cost, risk, and performance impacts of combining maintenance, inspections, and projects to reduce downtime and overheads. AI-powered optimisation and scenario modelling reveal the best strategies under resource or budget constraints. Assess the ripple effects of delays or unplanned shutdowns, and identify which activities to prioritise during unexpected opportunities. With detailed analysis of costs, risks, and resource usage, this tool enables smarter, more agile planning across complex work programmes.



DST
SCHEDULE
OPTIMIZER

Leverage the power of AI to optimise complex asset investment and intervention programmes or portfolio. It combines individual asset strategies and investment options into a unified, transparent plan that balances cost, risk, performance, and resource constraints. With real-time 'what if?' analysis capability, it helps prioritise projects, adjust plans to changing budgets and constraints, and identify planning opportunities. Advanced analytics calculate total impacts across Capex, Opex, and business outcomes, while flexible workbank assembly and drill-down insights ensure clarity and control. Outperforming traditional planning methods, DST StAMP delivers smarter, faster, and more justifiable strategic decisions.



DST
StAMP



Get Started Today!

Contact us to:

Arrange a Free Demonstration: Identify potential opportunities for implementation in your business (2-hour duration).

Get a Taster Study: Understand how the tools work and quantify potential business benefits through application to a small number of current problems or opportunities (typically 2-3 days duration).

Book a Proof-of-Value Pilot: Evaluate a sample of problems or opportunities up to the point of implementation (typically 10-12 weeks duration), offering the best 'try before you buy' experience.

The Woodhouse Partnership exists to help clients deliver greater value, consistently and sustainably. With 30 years of success and experience in most industry sectors, we hold firm to our core values:



Innovation

We pioneer the standards that others follow. We are open-minded lateral-thinkers, able to identify and resolve new problems with new solutions.



Flexibility

We adapt and combine solutions to suit each client's needs, context and culture. Our approach is always pragmatic, realistic, and effective.



Personal

Our clients benefit from effective transfer of knowledge and development of their staff skills and capabilities. We will earn your respect, trust and loyalty.



Experienced

Our team provides unrivalled first-hand experience in all aspects of asset management; in almost all industries, regions & cultures.

Visit www.twpl.com to find out more



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