



Asset Management

Creating Data-Driven Business Intelligence

MANAGEMENT & TECHNOLOGY CONSULTING

Stantec's asset management solutions enhance performance, reliability, resilience, and operational efficiency. By integrating strategic planning, technological adoption, and robust financial stability, we guide clients in making informed and optimal decisions throughout the entire lifecycle of their assets.

In today's evolving market, characterized by increasing affordability challenges, aging infrastructure, climate change, rising demand, and stricter regulations, there is a pressing need to rethink traditional Asset Management (AM) business practices and tracking methods.

Organizations embracing effective AM can unlock great value from their infrastructure and investments. Our integrated systems-based approach enables us to deliver not only traditional outputs, but holistic enhancements in performance, governance, sustainability, reliability, and risk management throughout the organization and asset lifecycle.

Our Asset Management team is recognized by the Institute of Asset Management as an Endorsed Training Provider.

Stantec's digital asset management solutions empower organizations to become more agile, reliable, and resilient, allowing them to respond swiftly to changes. We assist organizations in achieving alignment by leveraging specialized knowledge and fresh insights to improve operational performance, enhance transparency, manage change effectively, and make informed capital and operational decisions.

Asset Management Activities

Strategy & Planning Activities

Asset Management

- Strategy, Policy, and Plans
- Strategic Asset Management Plan
- Risk Management
- Asset Lifecycle Management
- Financial Analysis and Management System (FAMS)
- Decision Support Systems
- Performance Indicators/Measures/Metrics
- Continuous Improvement
- Operational Readiness
- Capital Improvement Program (CIP)
- Levels of Service

Leadership for Reliability

- Change Management
- Succession Planning
- Executive Sponsorship
- Operational Excellence
- Competency-Based Learning Integrity
- Reliability Journey

Tactical Activities

Reliability Engineering for Maintenance

- Root Cause Analysis
- Criticality Analysis
- Reliability Strategy Development
- Reliability Engineering
- Asset Integrity
- Reliability Centered Design/ Maintenance

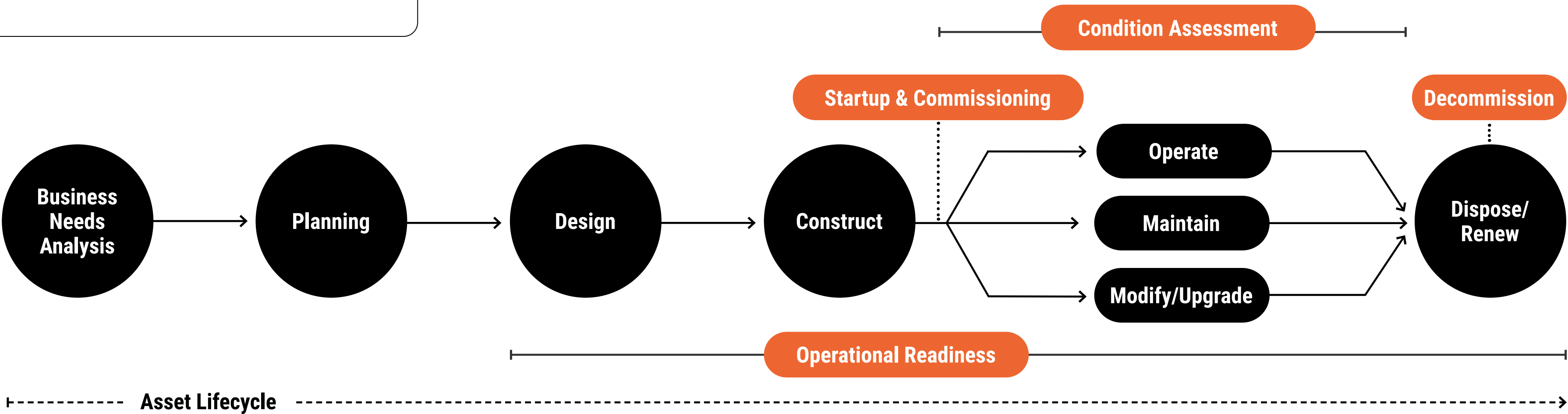
Asset Data & Info Management

- Asset Inventory, Register, and Hierarchy
- Data Governance
- Data Gaps
- Data Collection
- Data Analysis
- Data Insights and Reporting
- Data and System Integration

Work Execution Management

- Computerized Maintenance Management System (CMMS)
- Enterprise Asset Management
- Preventative Maintenance
- Planning and Scheduling
- MRO-Spares Management
- Asset Condition Management

Asset management for optimal return on investment requires focus on more than the operation and maintenance phases. Stantec provides services throughout the entire asset’s lifecycle.



Achieving Organizational Readiness for Resilient Asset Management

Implementing Resilient Asset Management (RAM) is crucial for sustaining operational continuity and meeting levels of service amid disruptions. Organizational readiness involves integrating strategic planning, technological adoption, financial stability, and cultural transformation throughout the asset’s lifecycle.

Strategic planning requires a comprehensive assessment of current asset management practices and the identification of potential vulnerabilities. We help align objectives with goals into a clear roadmap for implementation. Technology plays a pivotal role in this process. Investing in advanced technologies such as Internet of Things (IoT), Artificial Intelligence (AI), and predictive analytics enhances asset monitoring and maintenance.

This enables real-time data collection and proactive decision-making.

Financial stability is also crucial for supporting both operational and capital expenditures associated with Resilient Asset Management. Our team develops financial plans that balance short-term operational needs with long-term capital investments. Continuous training and development programs foster a culture of resilience and adaptability among employees. Here, leadership support is vital in driving the change process and embedding AM principles into the organizational framework.

Addressing challenges in RAM implementation requires participant engagement, change management strategies, technology and training investments, and financial and non-financial asset data availability, enhancing resilience and sustainable practices.

Empower your Team with IAM Certification

As Endorsed Training Providers, Stantec offers training for Institute of Asset Management (IAM) certification to help your team gain skills and knowledge in optimizing asset performance and increasing return on investment.

IAM Certified employees will:

- Obtain a deep understanding of AM principles
- Learn asset lifecycle management
- Develop risk assessment skills
- Understand how to align financial and non-financial elements
- Master strategic planning techniques

Our IAM training keeps you current with industry standards and best practices, ensuring regulatory compliance and operational efficiency.



Related items

[JXN Water System Engineering Services](#)

[Palm Beach County Water Utilities Department](#)
certified as first water utility in North America to earn ISO 55001 accreditation

[Metropolitan Sewer District of Greater Cincinnati Capital Investment Planning and Asset Management Improvement](#)

[City of Toledo Water Treatment Asset Management Improvements](#)

[Building a new paradigm: commissioning in the 21st century](#)



Contact Us

[Laith Alfaqih](#)
Asset Management Lead