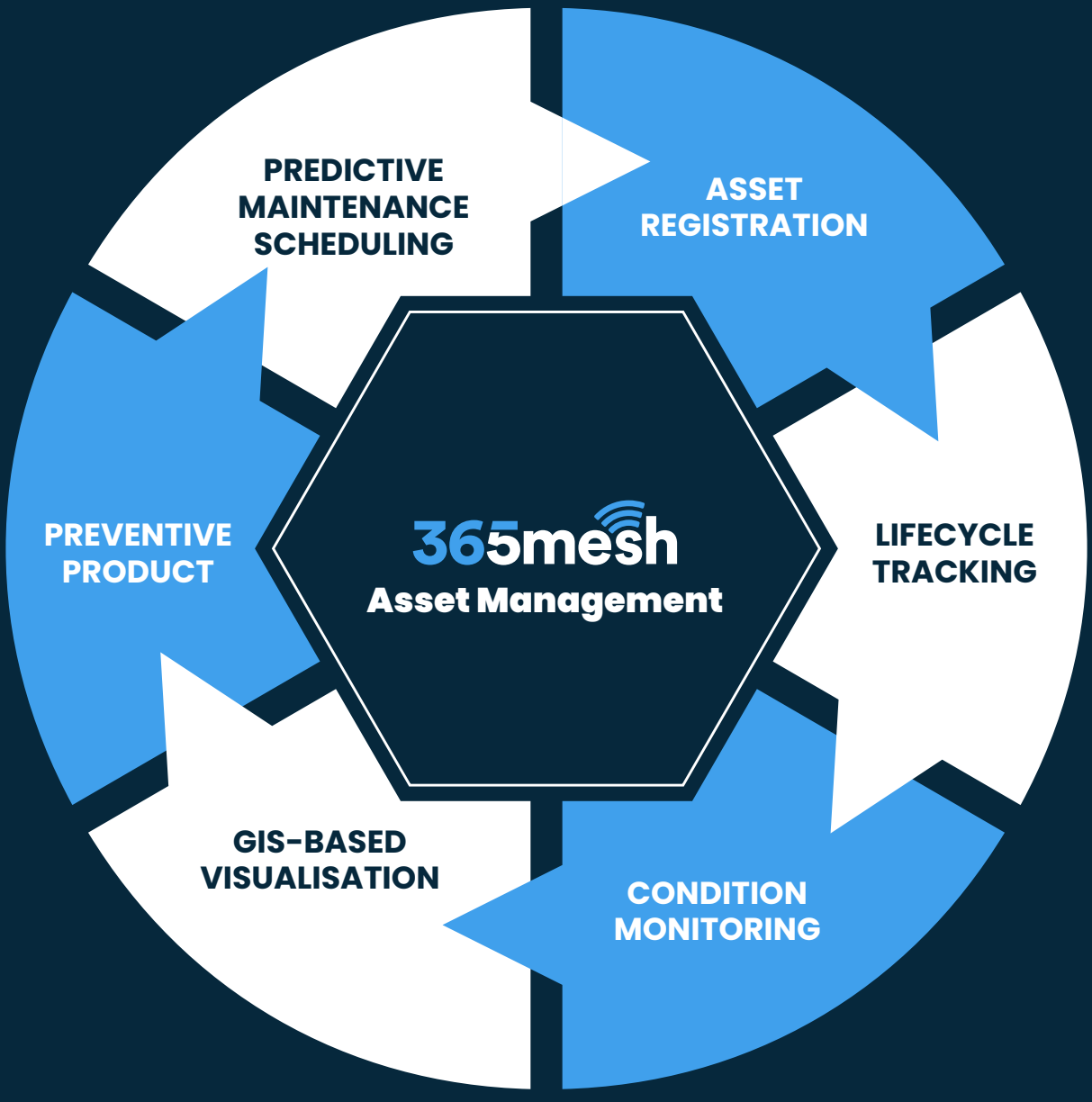
POWERED BY 365mesh

Asset Management

Drive competitive advantage with intelligent monitoring and AI-driven insights that proactively reduce downtime, optimise asset, performance, and extend lifecycle, value — all within a Unified Asset Management SaaS platform with optional IoT Sensors and rich Digital Twin integration capabilities.

Purpose-built for infrastructure-intensive organisations, this unified, data-driven platform empowers leaders across government, utilities, and transport to optimise asset lifecycles, enhance service delivery, and unlock measurable business value.



A unified asset management ecosystem that integrates registration, tracking, condition monitoring, spatial insights, and predictive maintenance into a continuous, data-driven lifecycle — helping organizations maximise asset performance, reduce downtime, and improve ROI.

365mesh Ecosystem: Reshaping Asset-Intensive Operations

As part of the broader 365mesh ecosystem, the Asset Management platform integrates seamlessly with the 365mesh Core through a unified API layer - enabling streamlined data exchange, role-based access, and a common user identity across services.

Deep integration with the Digital Twin solution enriches metadata and delivers converged overlays, transforming asset data, geolocation, and condition states into dynamic spatial and virtual models.

With infrastructure digitisation accelerating under regulatory, sustainability, and cost pressures, government agencies, utilities, and large-scale operators face mounting complexity - managing assets from acquisition to decommissioning while safeguarding service continuity, safety, and compliance.

Reshaping asset intensive organisations operations

The Case for Digital Transformation in Asset-Intensive Industries

According to McKinsey, organisations that digitise asset operations can unlock 20–30% efficiency gains, extend asset life by up to 20%, and cut maintenance costs by as much as 10–15%.

The convergence of AI, IoT, and Digital Twin technologies is reshaping how asset-intensive organisations operate. Real-time data from connected assets - enriched with advanced analytics and visualised through spatial and virtual models - enables predictive maintenance, optimised capital investment, and smarter, more resilient service delivery.

However, many organisations are still held back by siloed systems, outdated CMMS platforms, or static spreadsheets, limiting their ability to make timely, data-driven decisions and unlock the full value of their infrastructure.

365mesh Asset Management: Powering Smart, Resilient, and Integrated Operations

365mesh Asset Management enters today's infrastructure landscape with a platform-first, cloud-native approach designed to meet the needs of modern asset-intensive organisations. This modular SaaS solution is purpose-built to deliver proactive governance, real-time insights, and seamless integration across critical operations.

Insights

Proactive, risk-based asset governance using AI-enhanced insights

Sensors

Real-time operational visibility through IoT sensor integration

Digital Twin

Context-aware infrastructure overlays via Digital Twin alignment

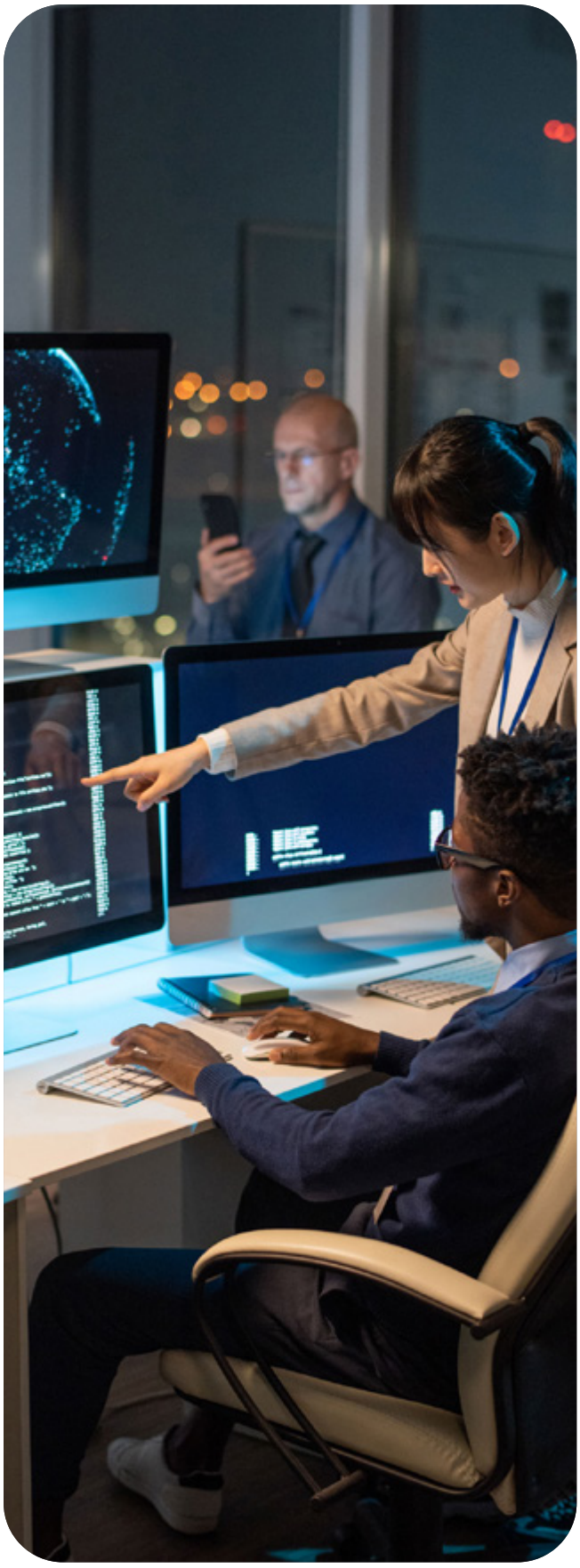
Connectivity

Seamless integration with existing systems through a unified API model

Strategically positioned to complement the 365mesh Core and Digital Twin offerings, it serves as the asset-centric foundation of a broader smart operations platform. The solution empowers asset leaders to scale confidently, achieve compliance readiness, and drive continuous innovation - all while aligning with international and local standards, including ISO 55000, AS ISO 55000, IPWEA IIMM, the Australian Infrastructure Audit, and relevant state-based asset management frameworks such as the NSW AMAF (Asset Management Accountability Framework)

Operational Excellence Through Predictive Asset Intelligence

365mesh Asset Management equips organisations with the tools to anticipate failures, extend asset life, and ensure uninterrupted operations — enabling a shift from reactive fixes to strategic, data-driven performance management.



From Reactive Maintenance to Predictive Control

- ➔ Transform asset oversight with AI-powered condition-based monitoring
- ➔ Minimise unplanned downtime through early fault detection and lifecycle forecasting
- ➔ Optimise capital planning by aligning maintenance with asset risk and performance data

Resilience Built In

- ➔ Monitor critical infrastructure in real-time, across environments and asset types
- ➔ Enable safer, more efficient operations through automated insight generation
- ➔ Deliver continuous value, even across legacy systems and hybrid environments

Designed for Operational Teams, built for Organisational Impact:

➔ **Track** asset conditions and performance trends

➔ **Detect** anomalies before they escalate

➔ **Respond** proactively with real-time visibility and remote resolution capabilities

The 365mesh platform empowers maintenance teams to efficiently:

Monitor asset health and performance

Identify risks before they become failures

Resolve issues faster through predictive, data-driven actions

The integration of AI and IoT empowers the solution to provide predictive maintenance and real-time insights, supporting continuous operations across legacy systems. It equips teams with the foresight to detect issues early, implement preventive strategies, and optimise asset performance - reducing downtime and boosting return on investment.

Asset Performance Management with **Condition-Based Monitoring (CBM), powered by 365mesh IoT**, offers a cost-efficient alternative to conventional preventative maintenance, utilising real-time monitoring through IoT sensors. This method not only cuts downtime and operational expenses but also leverages edge computing and AI for immediate data analysis and early fault detection. The approach employs a variety of sensors, including those for vibration, pressure, temperature, and oil analysis, to effectively monitor machinery, vehicle and asset health with the following benefits:

Key Benefits

Enhanced Maintenance Efficiency:

Real-time monitoring and maintenance scheduling, extending machinery lifespan.

Cost Reduction Strategies:

Minimise downtime and reduce operational costs that impact your bottom line.

Advanced Fault Detection:

Detect equipment faults early, increasing operational safety and reliability.

Preventive Maintenance:

Schedules routine maintenance to prevent failures.

Asset Performance Management:

Monitors and analyses asset health.

Asset Lifecycle Management:

Manages assets from acquisition to disposal.

Maintenance Management:

Schedules and tracks maintenance activities.

Asset Management:

Comprehensive tracking of asset information.

Predictive Maintenance:

Uses analytics to predict and prevent failures.

Asset Tracking:

Maintains detailed records of asset history.

Use Cases

Construction

Construction Equipment Tracking:
Digitalise the lifecycle of construction machinery to ensure timely maintenance, avoid project delays, and reduce asset loss across large-scale infrastructure programs.

Transport & Logistics

Fleet and Equipment Management:
Optimise fleet maintenance schedules and asset tracking to reduce operational costs, improve availability, and minimise downtime in transport and supply chain environments.

Manufacturing

Production Asset Performance:
Monitor factory equipment health to optimise utilisation rates, minimise production downtime, and reduce asset failures through condition-based insights.

Oil & Gas

Energy Infrastructure Durability:
Predict maintenance needs for offshore platforms and pipeline systems to increase operational safety, reduce failure risk, and extend equipment lifespan.

Mining & Resources

Mining Equipment Longevity:
Extend the life of heavy machinery and maximise uptime across mine sites through predictive maintenance, early fault detection, and detailed asset tracking.

Use Cases

Healthcare

Medical Equipment Visibility:
Track and maintain critical hospital devices — including vital sign monitors, infusion pumps, mobile diagnostic units, and patient movement sensors — to ensure uninterrupted care delivery, compliance with clinical standards, and proactive servicing.

Agriculture

Smart Farming Equipment Management:
Maximise the lifecycle of farm machinery and IoT-enabled agricultural devices through predictive maintenance and condition monitoring.

Education

Campus Asset Efficiency:
Manage facility and equipment inventories across campuses to reduce waste, control energy costs, ensure safety, and maintain service quality.

Financial Services

Branch and Data Centre Management:
Enable predictive monitoring of branch office assets and critical IT infrastructure to optimise service uptime, reduce risk, and ensure regulatory compliance.

Retail

Inventory and Fixture Control:
Track in-store assets and fixtures, optimise turnover cycles, and reduce asset loss through integrated, sensor-based monitoring.

From Asset Data to Executive Decisions

Powered by the 365mesh AMIS Core

Execution Layer 1
Connected Asset Intelligence

Connected Asset Intelligence
Real-time telemetry and condition data from high-value infrastructure assets.

Execution Layer 2
Secure, Scalable Data Backbone

Secure, Scalable Data Backbone
Seamless, resilient ingestion and routing across hybrid cloud and remote ops.

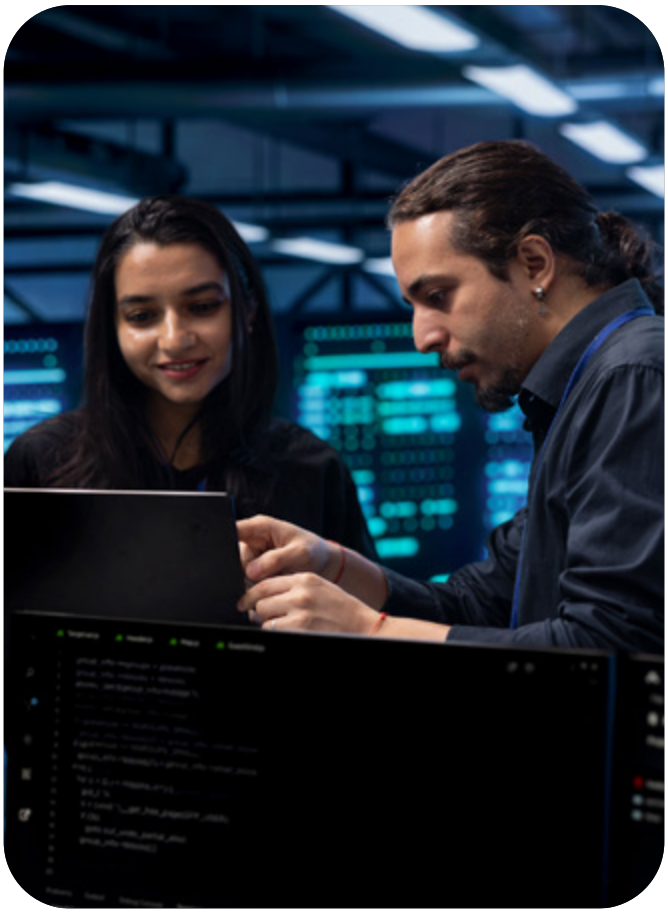
Execution Layer 3
Predictive Analytics & Digital Twin Insight

Predictive Analytics & Twin Insights
Turn operational data into foresight — enabling failure prevention and asset

Execution Layer 4
Unified User Experience, BI & System Integration

Unified User Experience, BI & System Integration
Surface actionable insights in real time and automate workflows across platforms.

Work Order Management includes technician scheduling and mobile workflows (e.g. SLAs, offline support).



365mesh AMIS Core: The Intelligence Behind the Platform

Why it matters:

The AMIS Core engines aren't just background systems — they're what make the platform enterprise-ready. These modular engines drive automation, enforce governance, and provide complete visibility across the asset lifecycle.

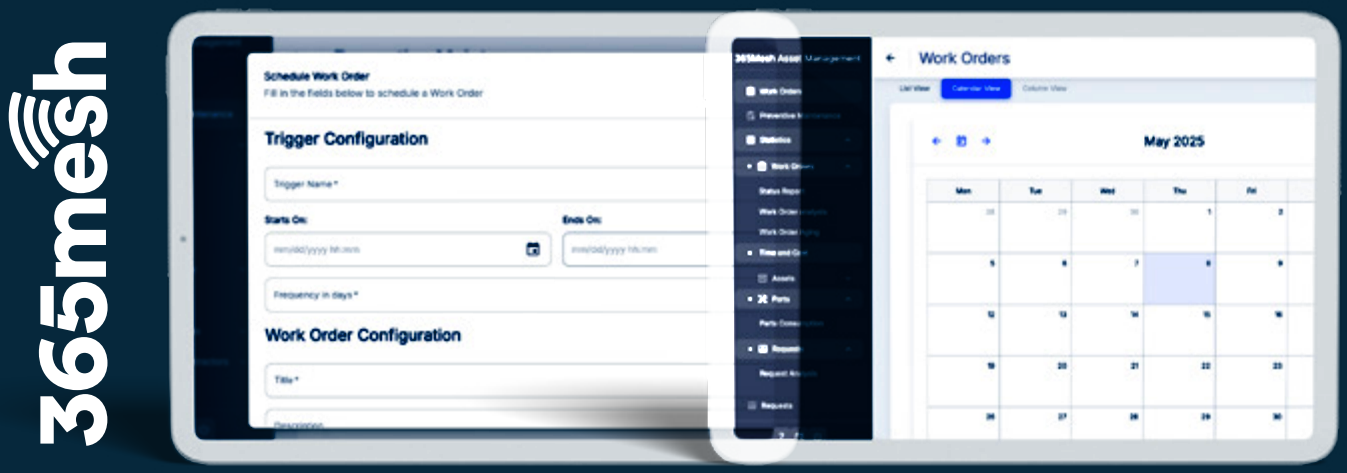
For organisations, this means fewer operational blind spots, faster time-to-action, audit-ready traceability, and lower total cost of ownership — all within a platform built for scale, compliance, and real-world complexity.

Engines	Function
Rules Engine	Automates policy-aligned workflows and ensures consistent governance across all asset activities
Workflow Engine	Orchestrates inspections, maintenance, registration, and finance with minimal manual input
Lifecycle Engine	Maintains an end-to-end asset record from acquisition through decommissioning
PostGIS / Timescale	Enables advanced geospatial analysis and time-series insights for location-aware asset optimisation

Work Order Management includes technician scheduling and mobile workflows (e.g. SLAs, offline support).

Out-of-the-Box Integration: Enterprise-Ready Connectivity

365mesh Asset Management is built for seamless integration with leading ERP, CRM, GIS, SCADA, Inventory, and IoT platforms. Enterprise-wide integration of asset data provides actionable visibility while driving continued value from your current technology stack.



Supported Platforms:

- ERP/Inventory: SAP, Infor, NetSuite
- CRM: Salesforce, Zoho
- GIS: ArcGIS, Bentley
- SCADA/IoT: Real-time system data
- Public Sector: Civica Authority

Integration Highlights:

- **Pre-built connectors** - fast deployment, minimal disruption
- **Unified API** - secure, real-time data flow
- **Automated workflows** - connect asset insights with business systems
- **Bi-directional sync** - ensures data integrity and compliance

Executive Benefits:

- **Amplify** ROI from existing digital investments
- **Unify** asset and business data for strategic decisions
- **Reduce** manual effort and integration overhead
- **Support** compliance, audit, and reporting needs

Digital Twin for Asset Intelligence

Transforming Asset Visibility, Simulation, and Decision-Making

The 365mesh Digital Twin Add-On enhances the core asset management platform with powerful spatial modelling and real-time system visibility. By creating interactive, 3D digital representations of infrastructure assets and overlaying live sensor data, Digital Twins enable predictive maintenance, virtual simulations, and remote operations — helping organisations extend asset life, reduce risk, and accelerate strategic planning.

Capability	Strategic Benefit
3D Visualisation of Assets	View asset health, conditions, and location in a single spatial context for better triage and planning
Live Sensor Overlay	Detect anomalies and optimise field operations through real-time monitoring
Predictive Simulation	Test “what-if” scenarios (e.g. weather, failure, budget shifts) without interrupting operations
Remote Work & Training	Empower field staff with virtual site access, safety drills, and remote collaboration tools
System-wide Transparency	Enable cross-team collaboration with shared, real-time infrastructure views

Work Order Management includes technician scheduling and mobile workflows (e.g. SLAs, offline support).

Availability:

The Digital Twin capability is available as an optional add-on to the 365mesh Asset Management platform. It integrates seamlessly via the AMIS Core to leverage existing asset data, geolocation, and sensor inputs — with no disruption to existing workflows.

Digital Twins Asset Management Capability

- Asset Registry + Spatial Placement
- Predictive Maintenance
- Preventive & Reactive Flows
- Spatiotemporal Asset History

Integrated Analytics & Dashboards

- Visual Dashboards
- Multi-source Reporting
- Anomaly Detection & Alerts
- Progress Snapshots

ROI & Analytics

- Work Management Integration
- Sync tasks, issues, and inspections with Fieldmagic, CMMS
- Assign work orders within the Twin interface
- View & track status in real-time overlaid on the 3D model
- The ROI of a Digital Twin

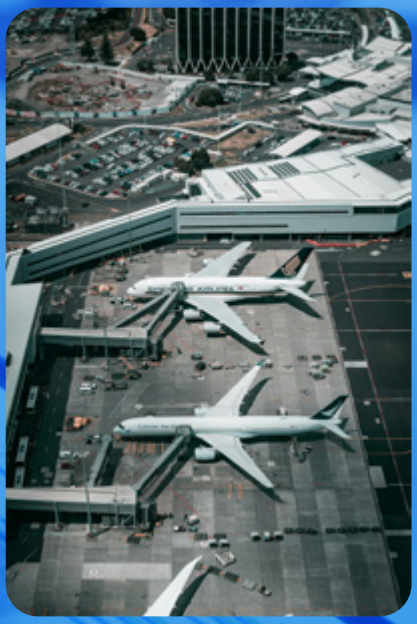
Business Value

- Reduced Rework Costs
- Faster Project Cycles
- Smarter Planning
- Lower Downtime
- Compliance & Auditing
- CapEx / OpEx Tracking & Strategic Asset Planning

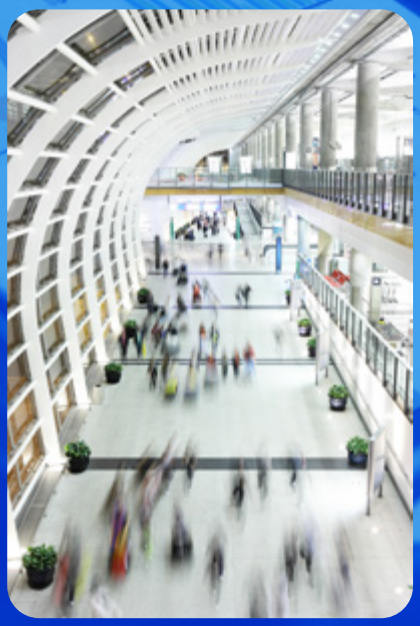
Impact

- Catch issues earlier with visual & sensor context
- Eliminate site trips, enable remote decisions
- Data-backed prioritization of works & investment
- Prevent failure via condition-based monitoring
- Automated reports, time-stamped evidence of work

Real Results.



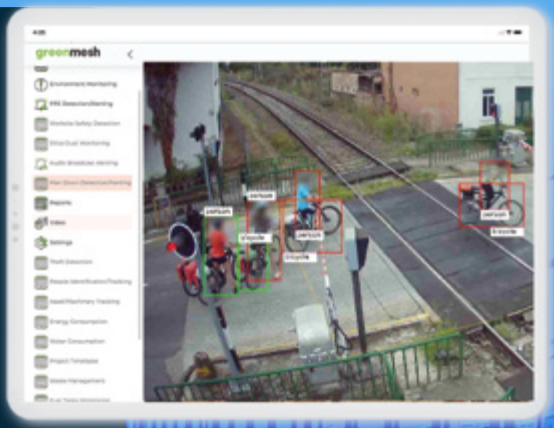
365mesh Asset Management is already powering critical infrastructure across Australia — modernising operations, improving compliance, and reducing maintenance costs. These organisations are using our platform today to bridge legacy gaps, drive digital transformation, and unlock measurable value through real-time asset intelligence.



Canberra Rail (ACT Government / John Holland)

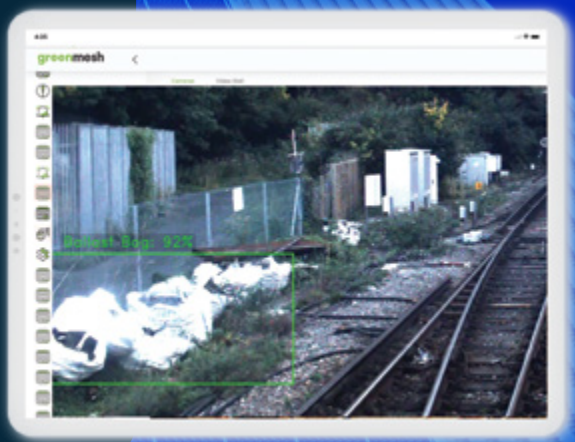
Integrated Asset Management + Digital Twin for Rail Infrastructure Delivery

365mesh supports the full lifecycle of rail infrastructure assets — from commissioning to decommissioning — with preventive maintenance scheduling, inspection workflows, and compliance tracking. Time-tracked maintenance, environmental safety monitoring, and 3D spatial visualisation help ensure handover readiness, safety assurance, and operational continuity.



Feature Highlights:

- Asset Lifecycle Management
- Intelligent Realtime Video Analytics
- Worksite Safety & Security
  broadsecure
- Predictive & Preventative Maintenance
- Role-Based Access
- Digital Twin Overlay & Sensor Monitoring (add-on)
- Environmental Monitoring (Air, Dust, Vibration)
  greenmesh



365mesh Asset AI Intelligence Module

City of Monash (Local Government)

Smart Infrastructure Monitoring & AI-Augmented Field Maintenance

Monash uses 365mesh to manage hundreds of smart assets — cameras, AI devices, sensors — across public spaces. The system enables real-time health monitoring, firmware version tracking, fault resolution workflows, and geospatial visualisation. Field teams use the mobile app (even offline) to log inspections, maintenance actions, and time spent.

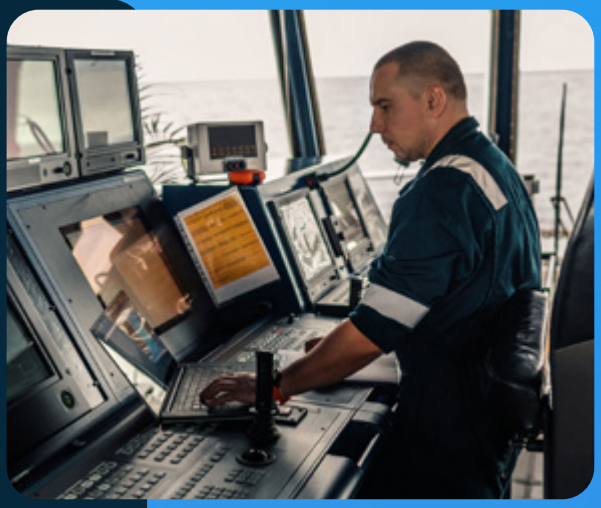
Feature Highlights:

- Asset Registry & Metadata Management
- Mobile Field Inspections + GPS
- Firmware Version Tracking & Alerts
- Preventive Maintenance + Work Order Scheduling
- Integration APIs (CMMS / analytics modules)
- AI/Edge Monitoring & Spatial Map View (add-on)

Tassal Group (Marine & Aquaculture Operations)

Marine Asset Hierarchies + Location-Enabled Maintenance Workflows

Tassal tracks a wide variety of floating and onshore assets, with detailed component breakdowns and lifecycle versioning. Field technicians manage inspections and reactive jobs via a mobile-first, offline-capable interface. Assets are visualised on ArcGIS, showing movement history, zones, and location heatmaps to support utilisation and compliance reporting.



Feature Highlights:

- Hierarchical Asset Structures
- Preventive, Reactive & Scheduled Job Types
- Offline Mobile Maintenance Workflows
- Asset Location History + ArcGIS Map Integration
- Inspection Checklists + Media Upload
- Multi-site Deployment Support

These deployments reflect the breadth and readiness of the 365mesh platform. From local councils to transport megaprojects and marine operations, our customers are already using 365mesh to optimise uptime, reduce risk, and modernise asset operations — today.

Let's Build Smarter, Safer, More Connected Asset Operations

Across government, utilities, and infrastructure-intensive sectors, operational leaders are moving beyond fragmented systems and spreadsheets. They're embracing a platform-first, cloud-native approach to asset management — one that brings real-time visibility, predictive insights, and automation to the heart of every decision.

Whether you're transforming legacy operations or scaling up intelligent infrastructure, 365mesh Asset Management is ready to support your next step.

Talk to our team to see how 365mesh can help you unlock

- Lower downtime and maintenance costs
- Greater safety and compliance confidence
- Smarter capital planning and lifecycle visibility
- A clear path from asset data to executive decisions

Book a Demo

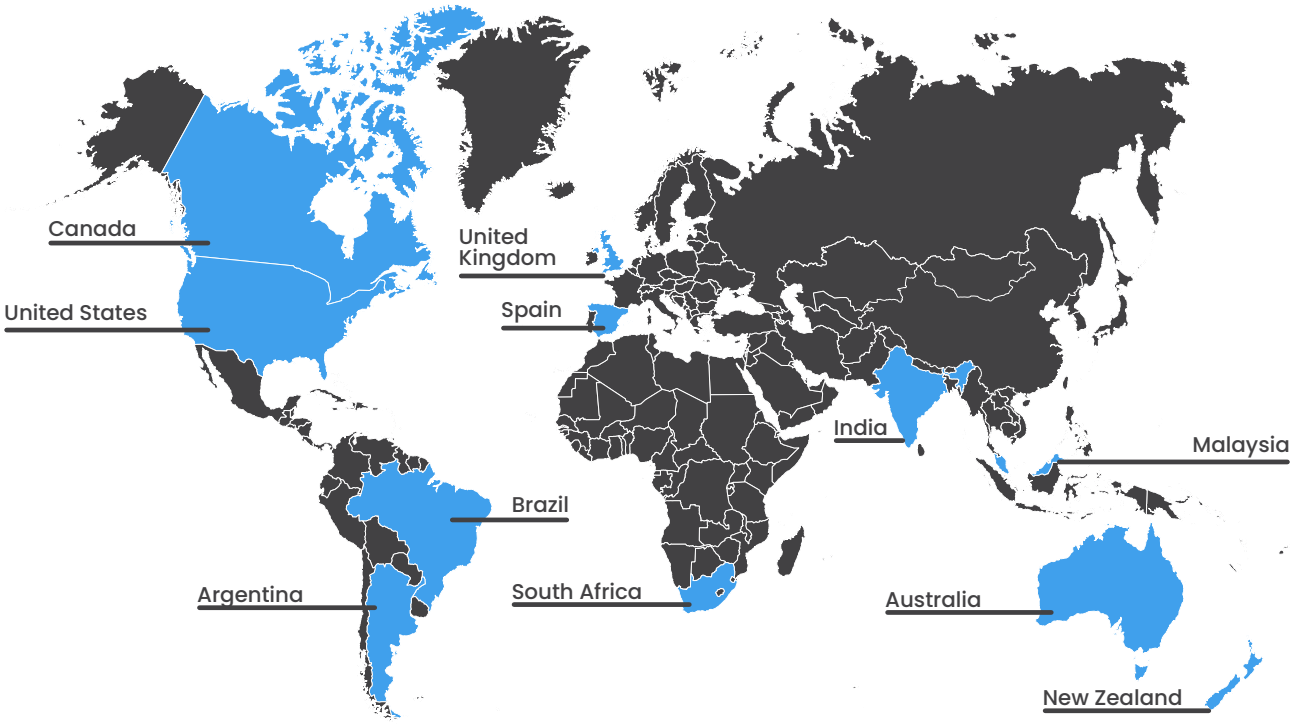
Request a Strategic Workshop

Download Technical Overview

Gain real time visibility over your fleets and assets with 365mesh.

WE ARE FOUND GLOBALLY

Australian based, owned & operated with local manufacturing capabilities



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