

Case Study

Keeping Brisbane Airport Moving with Connected Asset Intelligence

A single platform connecting inspections,
maintenance, and asset data across complex
airport operations



OVERVIEW

Brisbane Airport is one of Australia's largest and most critical transport hubs, supporting millions of passengers each year and operating a vast network of airside and landside infrastructure. From runways and taxiways to lighting, signage, drainage, and supporting assets, the environment is complex, highly regulated, and always active.

In this setting, infrastructure performance directly impacts safety, compliance, and the continuity of airport operations.

Through its maintenance contract, Ventia required a more advanced and reliable way to manage inspections, maintenance, and asset data across the airport. The challenge presented was to maintain consistency, ensure auditability, and respond quickly to emerging issues.

Asset Vision was deployed to bring this complexity into a single, connected platform. By linking field data capture with real-time visibility and structured workflows, Ventia gained a clearer, more consistent understanding of asset condition across the airport, enabling faster, safer, and more informed decision making.

THE CHALLENGE

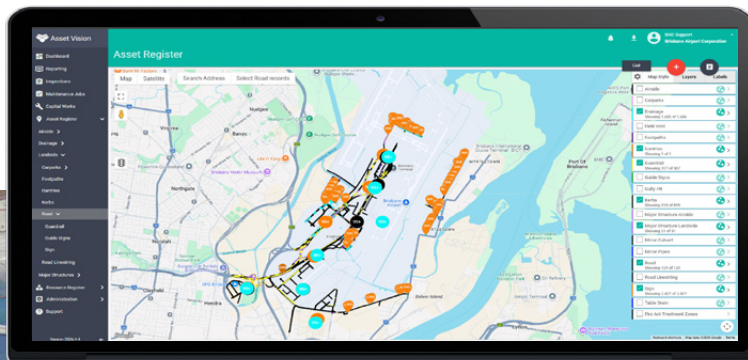
Managing infrastructure within an airport environment is fundamentally different from traditional asset networks. Operations run continuously, safety requirements are uncompromising, and even minor issues can have immediate operational impacts.

For Ventia, this created several challenges:

- Ensuring consistent inspection practices across multiple teams and contractors
- Capturing accurate, standardised data in a high-pressure, time-constrained environment
- Managing large volumes of distributed assets across a complex, live network
- Maintaining clear visibility of asset condition and maintenance status
- Meeting strict audit, compliance, and safety requirements

Existing processes relied on a mix of manual workflows and disconnected systems. This made it difficult to maintain consistency, reduced confidence in the data, and slowed the flow of information between field teams and decision makers.

Ventia needed a platform that could bring structure, consistency, and real-time visibility to operations, without adding complexity for teams working in the field.



THE SOLUTION

Asset Vision provided a mobile-first, GIS-enabled platform that connects field operations with office-based decision making.

Key capabilities implemented:

- Centralised asset and spatial register
- Mobile inspections with offline capability
- Real-time defect and condition capture
- Automated workflows from inspection to maintenance
- GIS integration for location-based asset management
- Reporting and audit-ready data capture

Field teams were able to capture data directly onsite using mobile devices, eliminating paper-based processes and reducing delays between inspection and action.

HOW IT WORKS IN PRACTICE

In the field

- Inspectors conduct routine asset inspections across airside and landside zones
- Data is captured digitally, including condition, defects, and location
- Information is recorded consistently using structured forms

In the office

- Data flows instantly into the platform
- Maintenance tasks are generated and prioritised
- Teams gain visibility across the entire asset network
- Reporting is generated for compliance and operational planning

This creates a seamless field to office to action workflow.



THE IMPACT

Improved efficiency

- Reduced manual data entry and duplication
- Faster turnaround from inspection to maintenance

Greater visibility

- Real-time understanding of asset condition
- Centralised view across the airport network
- Consistency and accuracy
- Standardised inspection processes across teams
- Improved data quality for decision making

Stronger compliance

- Audit-ready records of inspections and maintenance
- Better support for regulatory requirements

WHY IT MATTERS FOR AIRPORTS

Airports operate some of the most complex and safety-critical infrastructure environments in Australia.

Asset Vision enables airport operators and contractors to:

- Manage assets with confidence and consistency
- Maintain compliance in high-risk environments
- Improve coordination across teams and contractors
- Make faster, evidence-based decisions

KEY TAKEAWAY

A single, connected platform replaces fragmented systems and manual processes, giving airport operators complete visibility and control across their infrastructure.

ABOUT ASSET VISION

Asset Vision is an Australian enterprise asset management provider, delivering cloud-native solutions trusted by councils, transport authorities, utilities, and government agencies. Its platform unifies inspections, maintenance, compliance, and capital planning to give asset owners greater clarity, control, and confidence.