Overcoming operational complexity: How AGIS streamlined multi-site production

Summary

Customer
Ausgroup Industrial Services (AGIS)

Industry
Industrial services, mining and ports

Location
Queensland, Australia

Business Central Version
Wiise, a cloud-based platform built on Microsoft Dynamics 365 Business Central

Partners
Dynamic Aspect (Microsoft Partner)
Insight Works (ISV)

Solution
- Microsoft Dynamics 365 Business Central
- Shop Floor Insight

Results
- Unified data across all workshops
- Fewer bottlenecks and accurate shop floor time
- Actionable insights from Jet Reports analytics
- New assets integrated while scaling operations



ABOUT AUSGROUP INDUSTRIAL SERVICES (AGIS)

Ausgroup Industrial Services (AGIS) provides engineering and fabrication solutions for major mining, port, and industrial facilities across northern Australia, with workshops in Paget, Hay Point, and Bowen. AGIS specializes in delivering turnkey projects from concept to installation.

CHALLENGES

The acquisition of Melco Engineering's assets and property leases significantly expanded AGIS's capabilities, adding three high-capacity workshops to its portfolio. This expansion enabled AGIS to tackle complex projects more efficiently, but it also brought new challenges: managing operations across multiple locations, integrating workflows and assets, and improving shop floor management. AGIS needed a scalable solution to centralize operations and optimize production processes.

AGIS faced several key challenges as it integrated its expanded operations:

Managing operations across geographically dispersed workshops required centralized systems for collaboration and data-sharing.

Integrating newly acquired assets and workflows while maintaining operational continuity was critical.

Real-time visibility into production, inventory, and financials was needed to make informed decisions and optimize resources.

Enhancing shop floor management was essential to streamline production and reduce bottlenecks.

SOLUTION OVERVIEW

Dynamic Aspect delivered a comprehensive ERP solution anchored by Wiise, a cloud-based platform built on Microsoft Dynamics 365 Business Central. Dynamic Aspect's solution featured three integrated tools that addressed AGIS's challenges:

1. Wiise ERP platform: Wiise provided a unified platform for AGIS to centralize its operations. Real-time data-sharing and AI-driven insights into financials and resource utilization empowered AGIS to make data-driven decisions across all locations.

2. Jet Reports by insightsoftware: Jet Reports offered customizable analytics, allowing AGIS to track real-time financial and operational metrics. Predictive modeling helped anticipate trends and optimize resources, enhancing decision-making at every level.

3. Shop Floor Insight by Insight Works: Shop Floor Insight brought time tracking and production reporting onto the shop floor. Employees record labor and machine time, consumption, output, and scrap against production orders on barcode and touchscreen terminals, and that data flows into Business Central, giving AGIS real-time visibility into shop floor activity, helping minimize production bottlenecks, and supporting proactive management.

IMPLEMENTATION PROCESS

Dynamic Aspect ensured a seamless implementation tailored to AGIS's needs. The process included integrating Wiise ERP to centralize operations, enhancing reporting capabilities with Jet Reports, and deploying Shop Floor Insight to optimize shop floor operations. Collaboration and feedback during the deployment ensured the solution met scalability requirements, providing AGIS with tools to address its current and future challenges.

RESULTS AND BENEFITS

The integrated solution delivered significant benefits for AGIS, transforming its operations and solidifying its market position:

- Centralized Operations: Unified data across all workshops enabled seamless collaboration and synchronization, improving efficiency.
- Optimized Shop Floor Management: Shop Floor Insight reduced bottlenecks, gave supervisors accurate labor and machine time from the shop floor, and enhanced production accuracy.
- Improved Decision-Making: AI-driven analytics from Jet Reports provided actionable insights into financial health, resource utilization, and project performance.
- Scalability and Flexibility: The solution enabled AGIS to integrate new assets smoothly while scaling operations without compromising efficiency.

KEY TAKEAWAY

The successful deployment of Wiise ERP, Jet Reports, and Shop Floor Insight empowered AGIS to meet the demands of its expanding operations. Insight Works' Shop Floor Insight played a pivotal role in streamlining production, improving efficiency, and enabling AGIS to maintain its leadership in Queensland's industrial services sector.

Dynamic Aspect's tailored approach demonstrates the power of integrating advanced ERP solutions with AI-driven tools to address complex business challenges and drive operational excellence.

About Insight Works

Insight Works is a Microsoft Dynamics 365 Business Central ISV (independent software vendor) specializing in warehouse management, manufacturing, and productivity solutions. With a portfolio of apps available on Microsoft Marketplace, Insight Works helps distributors, manufacturers, and wholesalers extend Business Central to fit the way they actually work. Learn more at insight-works.com.

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