

CASE STUDY

Leveraging AI for Intelligent Project Prediction and Management Excellence



Introduction

Project overruns and inefficiencies are a persistent challenge in large-scale operations, impacting budgets, schedules, and overall business performance. This case study highlights how greyfly.ai's Intelligent Project Prediction (IPP) platform transformed project management for a leading global logistics company, delivering unprecedented accuracy, efficiency, and cost savings.

By leveraging AI to analyse project data and predict risks early in the lifecycle, the organization improved decision-making, increased data maturity, and enhanced overall project success rates. The following case study outlines the challenges, implemented solutions, key success factors, and measurable business impact.

Objective: Improve project predictability and decision-making

The organization needed a proactive, AI-driven approach to analyse project data, identify risks early, and improve project success rates. The goal was to reduce cost overruns, increase on-time delivery, and enhance portfolio visibility at the executive level.

Portfolio Overview



Portfolio Size: Multi-million-pound portfolio covering 100+ active projects, with historical data from 200+ projects.



Portfolio Type: Technology, property, and business change projects, with a strong focus on innovation and cutting-edge initiatives.



Portfolio Complexity: Over 40% of projects classified as large and complex, requiring tailored, intelligent solutions.

Project Challenges

Traditional project management methodologies were insufficient in delivering projects on time and within budget. Key challenges included:

! Budget Overruns

33% of projects exceeded budget by an average of 74%.

! Schedule Delays

62% of projects experienced an average 63% delay.

! Data Quality Issues

Only 22% of projects maintained consistent, high-quality data.

AI-Driven Solution

greyfly.ai deployed the Intelligent Project Prediction (IPP) platform to:



Analyze historical project data and extract key risk indicators.



Predict project outcomes with high accuracy early in the project lifecycle.



Enable executive decision-making by identifying at-risk projects before issues escalate.



Prioritize project interventions based on data-driven insights.

Using advanced machine learning models, IPP assessed project features, risk factors, and historical trends to generate real-time insights for executives. The system was designed to be user-friendly, requiring minimal training, and seamlessly integrated into existing project governance frameworks.

Project Outcomes & Business Impact



6.4% Portfolio Cost Savings: Optimized cost control, identifying major areas for efficiency gains.



>90% Accuracy: Achieved an unprecedented prediction accuracy rate, revolutionizing planning and risk management.



22% -> 91% Data Maturity Increase: Improved project data quality, enabling smarter decision-making.



Operational Efficiency Gains: Reduced delays and improved executive oversight, contributing to overall business



Sustainability Impact: Reduced project failures and resource wastage, aligning with environmental objectives.

Conclusion

By implementing AI-powered project intelligence, this global logistics company achieved:

- ✓ Better financial control over project portfolios.
- ✓ Higher project success rates with data-backed decision-making.
- ✓ More efficient resource allocation through predictive insights.

This transformation underscores that AI in project management is not just about technology—it's about unlocking value, improving strategic execution, and driving business success. As AI adoption continues, the organization is positioned to scale its capabilities, refine decision-making processes, and maintain a competitive edge in project delivery.

Next Steps & Future

- Scaling Adoption – Expanding the platform across additional business units.
- Advanced AI Integrations – Incorporating additional datasets for enhanced project success.
- Continuous Performance Monitoring – Tracking long-term AI-driven efficiency improvements.

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Key Factors for Success

Executive Sponsorship: Senior leadership championed AI adoption, ensuring alignment with strategic goals.

Change Management & Stakeholder Engagement: Proactive training and engagement strategies ensured smooth adoption.

Robust Data Strategy & Governance: Emphasized data quality, control, and standardization.

Machine Learning Innovation: Deployed AI models tailored to project complexities.

Standardized Project Controls: Improved compliance and project governance maturity.

Demonstrable ROI & Business Case: Delivered clear financial and operational benefits to justify AI investment.

About greyfly.ai

greyfly.ai was founded by LSE alumni and specializes in AI-powered project management solutions. With a proven track record in delivering multi-million-pound transformation projects, greyfly.ai is an approved supplier for government and enterprise organizations. Our Intelligent Project Prediction (IPP) platform provides insights to increase project success, optimize costs, and improve executive decision-making.

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