



FSA

CASE STUDY

Delay to Start Up with Forensic Schedule Analytics



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Your Partner in Construction Advisory

FSA is a construction advisory firm specialising in claims, project management, and schedule analytics. With over 30 years of combined experience, we have worked across diverse sectors, including Oil & Gas, Renewables, Nuclear, and Shipbuilding.

We harness construction data and advanced schedule analytics to provide actionable insights for insurers and downstream project management teams. Our solutions empower informed decision-making for Delay in Start-Up (DSU) claims and support effective alternative dispute resolutions.

FSA Insight

Our latest study highlights critical challenges in the construction industry, particularly how poor schedule quality and maintenance practices hinder effective delay mitigation. Delays that are not addressed promptly result in missed contractual milestones, exposing insurers to increased DSU claims.

This study offers actionable insights to reduce risks and ensure accurate data is available for successful claims production.

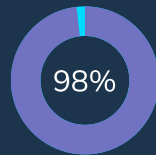




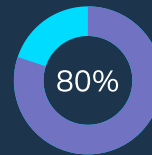
Industry Challenges

The construction industry faces persistent and widespread challenges, with delays and cost overruns being the norm rather than the exception. These issues are not only costly but also deeply disruptive, jeopardising project timelines, stakeholder trust, and financial stability.

The figures below paint a sobering picture of the construction sector's inefficiencies. However, they also present an opportunity to adopt proactive measures such as advanced schedule analytics and data-driven risk management to mitigate risks, enhance transparency, and drive better outcomes.



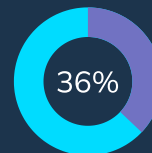
Projects incur cost overruns or delays.



Avg cost increase of 80%.



Construction projects have an average schedule slippage of 20 months



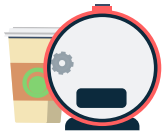
Defective products and faulty workmanship account for 36% engineering claims

FSA is at the forefront of addressing these challenges. Through innovative tools and a collaborative approach, we empower project teams to anticipate risks, optimise schedules, and safeguard against the costly repercussions of delays and claims.



Challenge

FSA was engaged by a renowned Korean engineering firm to demonstrate how advanced schedule analytics and project data can enable real-time risk evaluation and timely mitigation. Key challenges identified included:



Accurate Timelines for Project Milestones: Ineffective scheduling practices hinder timely project completion, increasing the likelihood of extension of claims, DSU or even lengthy disputes.



Schedule Maintenance: Poor upkeep of project schedules throughout the lifecycle leads to reduced accuracy and relevance, complicating real-time risk mitigation and escalating the risk of delays to completion.



OBJECTIVE

Reducing the probability of lengthy claims processes while addressing critical delay indicators.



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FSA Approach



COMPREHENSIVE SCHEDULE REVIEW

FSA conducted in-depth forensic schedule analytics throughout the project lifecycle. By leveraging advanced data and schedule analytics, we identified potential delays early, enabling proactive risk management.

CROSS-FUNCTIONAL COLLABORATION

Collaborating closely with insurers and project teams, FSA delivers technology-driven solutions that analyse project schedules, identify early warning trends, and ensure alignment of contemporaneous documentation. This approach guarantees that on-site criticality matches all records, fostering transparency in claim preparation.

BENCHMARKING AND BEST PRACTICES

Drawing from an extensive dataset of diverse projects, FSA benchmarks performance against live project data, providing unparalleled insights. This enables project teams to learn from past benchmarks, avoid repeating mistakes.



Implementation

Based on insights from the analysis, FSA implemented best practices to enhance schedule quality, reducing the critical impact to payment or completion milestones. These efforts also improved the validity of claims by ensuring relevant and accurate documentation was readily available, supporting favourable claim outcomes.

Initiative	Description
Contemporaneous Data	Ensured alignment with project-specific requirements, enhancing the quality and relevance of data for both mitigation efforts and claims.
Schedule Optimisation	Used advanced modelling techniques to optimise schedules, facilitating delay mitigation and identifying opportunities for improved project delivery.
Data-Driven Risk Management	Established robust data management practices to ensure timely access to information critical for risk assessment and claims support.
Real-Time Risk Analysis	Enhanced schedule robustness, ensuring it served as a reliable leading indicator for identifying and addressing risks early.



Conclusion

The collaborative efforts of FSA, insurers, and project stakeholders ensure that risks are proactively managed using tailored tools designed to address the unique challenges of each project. Our findings reveal that many delays can often be mitigated, significantly reducing their critical impact on project completion. Additionally, we have observed that DSU claims are frequently driven by inadequate schedule quality and a lack of stakeholder transparency, which often result in costly disputes.

FSA's innovative solutions empower project teams with tools for informed decision-making and transparent risk assessment based on robust data. By implementing proactive mitigation strategies, we help reduce unnecessary costs and delays. With 30 years of combined experience, FSA provides stakeholders with confidence and peace of mind, focusing on robust claim management and ensuring favourable claim outcomes when justified.



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