

KOANGA

INEIGHT PLATFORM ENTERPRISE REPORTING ACCELERATOR



POWERED BY:



Koanga works on major capital programs to deliver trusted project management systems and data strategies.

Koanga's hybrid of functional and technical expertise delivers fit for purpose project management technology solutions, providing key decision makers contextual, concise and timely project data and information.

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FINANCIAL BENEFITS

Improved accuracy and accessibility of data across your portfolio, programs & projects

Empower data driven decision-making for pro-active risk mitigation

Substantially reduce the administrative burden of manual reporting processes

TECHNICAL BENEFITS

Scalable, secure, robust, and no-code solution architecture

Sole source of truth for reporting that ensures data integrity

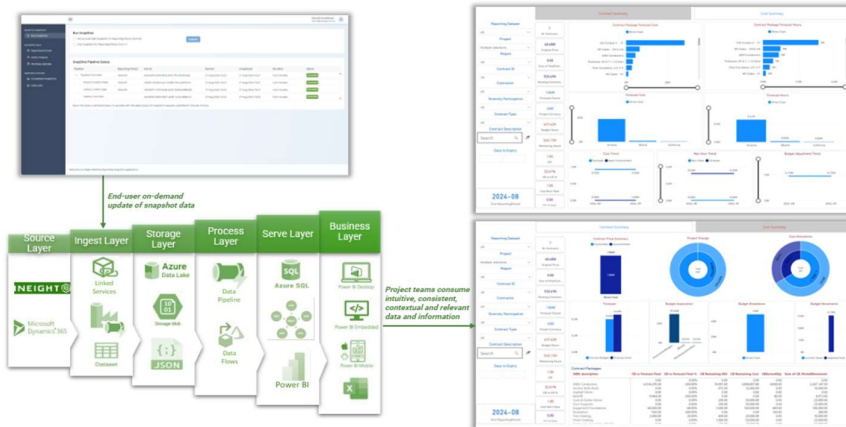
Ability to enrich reporting with inputs from other corporate systems

END USER BENEFITS

Integrated solution that provides insight into current & historical performance trends

Self-service data model that allows users to generate their own dashboards in Power BI

Improved efficiencies creating time to focus on the 'real job' of project delivery



The InEight Reporting Accelerator provides a streamlined way to capture and transform InEight data into meaningful insights.

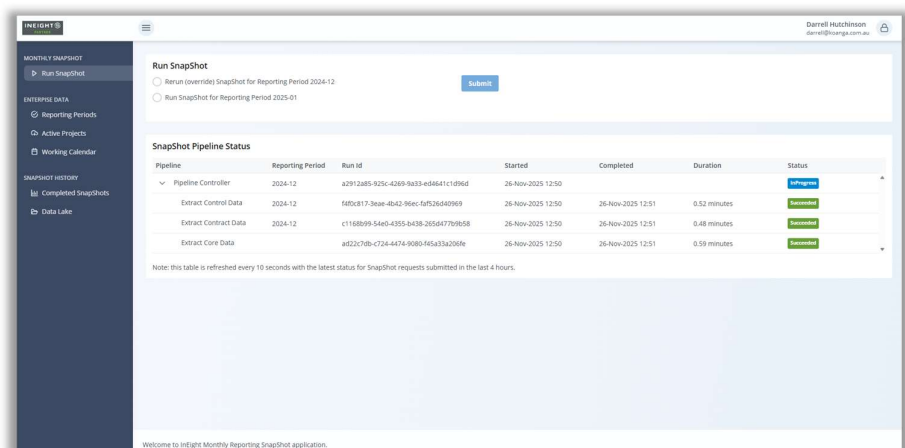
Operating within the Microsoft Azure framework, the process securely stores periodic snapshots in a Data Lake and reshapes them into a Star Schema designed for analytics.

This foundation integrates seamlessly with Power BI, enabling interactive dashboards and flexible reporting. Delivered as an accelerator, the solution offers a ready-made architecture that can be tailored to meet diverse client requirements, reducing implementation effort while supporting customised reporting outcomes.

The user interface is delivered through an Azure Static Web App, providing a simple and secure entry point for initiating period-based snapshots.

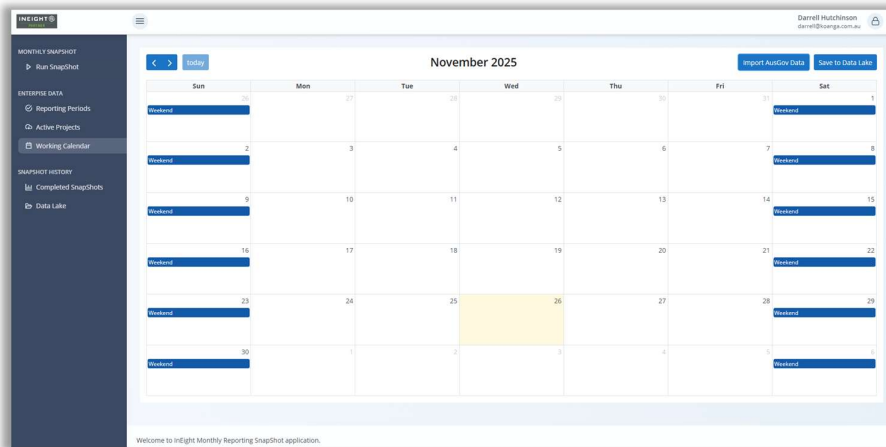
From this interface, users can trigger Azure Data Factory pipelines that extract data directly from InEight via its reporting APIs and stores the results into an Azure DataLake.

Access to the Web App is governed by Azure Active Directory in conjunction with InEight's own user security modules, enabling role-based authentication and authorization so that only approved users can initiate and manage reporting snapshots within the environment.



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The solution also provides configurable reporting calendars, enabling organizations to define working-day based calculations, establish month-end boundaries, and set financial year cut-offs.

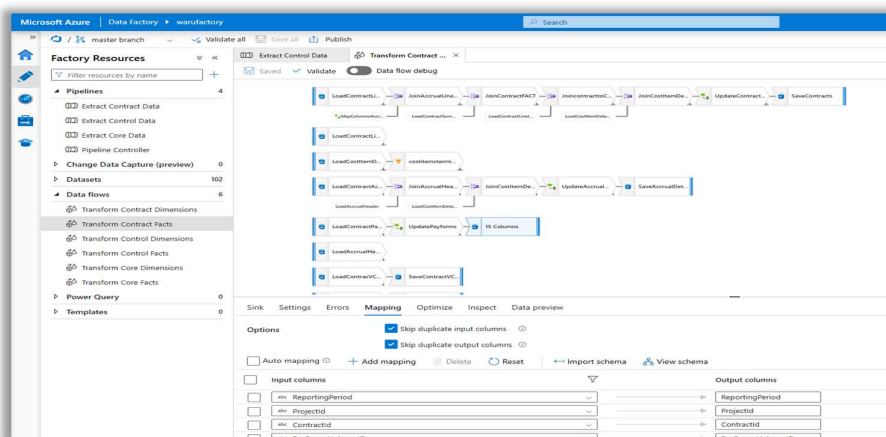
In addition, users can compare trends across multiple period snapshots, offering clear visibility into how key metrics evolve over time.

By aligning snapshots with configured reporting calendars, this capability supports accurate performance tracking, compliance with governance requirements, and deeper analysis of historical patterns to inform better decision-making

For each reporting cycle, the snapshot process exports all relevant and active projects from InEight, ensuring that the captured dataset reflects the current state of operations.

The Accelerator is initially designed to focus on core domains such as contract, cost, and schedule information, providing a solid foundation for project performance analysis. However, the framework is extensible and can be enhanced to incorporate additional InEight modules and / or integrated with data from other enterprise applications, allowing organizations to broaden the scope of reporting and tailor insights to their specific business requirements.

Project ID	Project Name	Start Date	End Date	Currency	Owner	Status	Project Notes
68154	Sample Structural Project	01-Jan-2020	31-Dec-2021			Active	
85258	Sample Civil Project	01-Apr-2020	31-Dec-2028			Active	
90265	Sample Piping Project	19-Mar-2020	31-Dec-2021			Active	This is a sample test project to test out the environment functionality.
97204	Sample Mechanical Project	01-Jan-2020	31-Dec-2021			Active	
CSM	Claiming Scheme Master	24-Feb-2020	09-Apr-2021			Active	This project is a compilation of all the claiming schemes that have been designed by members of the services group.
Koanga_G1	Koanga_Operations	01-Nov-2024	31-Dec-2026			Active	
Sample Electrical Project	Sample Electrical Project	01-Mar-2020	31-Dec-2021			Active	
TIMESHEET	TIMESHEETS & PROGRESS	01-Jul-2025	01-Jul-2026			Active	



Azure Data Factory underpins the snapshot process by orchestrating pipelines that extract data from InEight and load it into the Data Lake, where it is securely stored and prepared for transformation. Using Data Flows, the extracted information is reshaped into a Star Schema, creating a structured and optimized model for analytics. This approach presents a combined, user-friendly view of InEight data within Power BI, and, if required, can be extended to incorporate data from other enterprise solutions, enabling a unified reporting experience across multiple systems.

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The Data Lake maintains a complete copy of all project data in raw JSON format for each snapshot period, ensuring that a comprehensive record of project information is preserved.

This design provides a robust foundation for future flexibility, as additional transformations can be applied to the raw dataset to meet evolving reporting requirements.

Clients can adapt reporting structures, extend analytics, and incorporate new measures without needing to re-extract historical information, supporting long-term scalability and governance.

Name	Last Modified	Size
Global Data		
Reporting Period 2024-08		
Actual.json	Mon, 26 Aug 2024 04:23:06 GMT	3
ActualDetail.json	Mon, 26 Aug 2024 04:23:07 GMT	3
ActualCost.json	Mon, 26 Aug 2024 04:23:08 GMT	95279
Budget.json	Mon, 26 Aug 2024 04:23:07 GMT	84570
BudgetTimePhased.json	Mon, 26 Aug 2024 04:23:08 GMT	164457
ChangeOrder.json	Mon, 26 Aug 2024 04:23:04 GMT	20240
ChangeOrderDetail.json	Mon, 26 Aug 2024 04:23:04 GMT	13932
CommittedCostSummary.json	Mon, 26 Aug 2024 04:23:06 GMT	93147
ContactSummary.json	Mon, 26 Aug 2024 04:23:08 GMT	1558
ContractChangeDocument.json	Mon, 26 Aug 2024 04:23:08 GMT	3
ContractChangeWorkflow.json	Mon, 26 Aug 2024 04:23:07 GMT	3
ContractCustomFieldSummary.json	Mon, 26 Aug 2024 04:23:05 GMT	692
ContractDocument.json	Mon, 26 Aug 2024 04:23:05 GMT	3



This example Contract Power BI Dashboard illustrates how the snapshot data can be transformed into actionable insights, presenting key reporting indicators such as contract value, variations, commitments, and forecasts in a clear and interactive format.

By leveraging the period-based snapshots, the dashboard highlights changing trends across reporting cycles, enabling users to track shifts in project performance, identify emerging risks, and compare outcomes over time. This visual approach provides stakeholders with a consolidated view of contract health, supporting informed decision-making and proactive management.

Another example is a Cost Power BI Dashboard, which highlights key Project Cost Control KPIs such as budget, actuals, commitments, and forecasts.

Users can drill down into these indicators to investigate the root causes of reporting exception alerts, tracing variances back to specific projects, activities, or transactions. This level of detail not only provides transparency into cost performance but also empowers stakeholders to quickly identify anomalies, understand their drivers, and take corrective action to maintain financial control.

