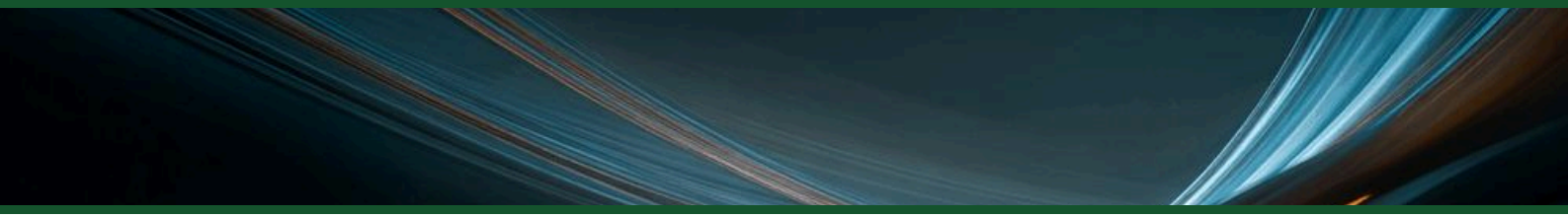
CASE REFERENCE · PUBLIC SECTOR & SOCIETY

South African Parliament

Microsoft



South African Parliament	Public Sector & Society	Develop · Operate	• Azure SQL • SSIS • Power BI • Oracle
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POWER BUSINESS DECISIONS WITH CLOUD SCALE ANALYTICS

Trusted reporting for South African Parliament's catering division

A governed reporting pipeline and Power BI dashboards that gave Parliament trusted, timely point-of-sale insight to manage its catering division.

01

THE CHALLENGE

In many organisations data sits in a vacuum, and in government the process to request access to it can be especially involved. South African Parliament wanted to base decisions on reliable, accurately processed operational information, and specifically to track and monitor point-of-sale performance in its catering division so it could act early when something needed correcting.

02

THE APPROACH

Working to a rigorous, waterfall-based methodology, the first risk to clear was getting system-level authorisation and access to the data. We then built an ETL pipeline that extracts point-of-sale and ERP data from Oracle sources, transforms and cleanses it, and loads it into a data mart in a Microsoft SQL Server data warehouse, with stored procedures running the analytics. That meant translating a lot of legacy Oracle scripts into MS SQL while keeping the calculations identical, and building a tabular data model in SQL Server Analysis Services. Power BI sits on top as a friendly dashboarding layer, built to the stakeholders' requirements.

03

THE OUTCOME

Parliament's catering division now gets trusted data quickly and easily, without the long trip through bureaucratic channels to access it. Better decisions get made at the right time, the division is easier to manage, and reliable data availability is the kind of thing that helps government improve quality of service.

04

SUMMARY & BENEFITS

- ✓ Trusted point-of-sale and ERP data, delivered quickly through Power BI.
- ✓ Better, more timely decisions and easier management of the catering division.
- ✓ Less time lost to bureaucratic channels to access data.

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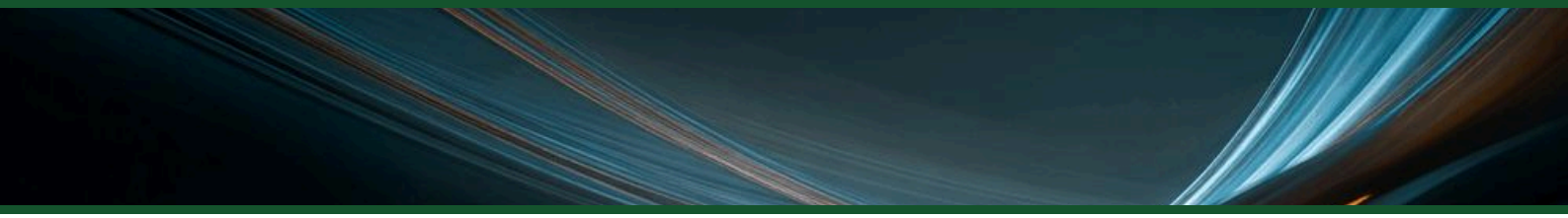

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