



Solving the Impossible

iOCO
enterprise



A Leading South African Bank – Customized OBIEE reporting solution - Success story



CUSTOMER PAINS

The Leading South African Bank launched a program to replace its outdated and unsupported Business Intelligence (BI) system, which was responsible for gathering data from Financial Service Providers (FSPs) across South Africa. The aim was to provide the Economic Statistics Department (ESD) with modern technologies to enhance strategic decision-making and the publication of quarterly bulletins.

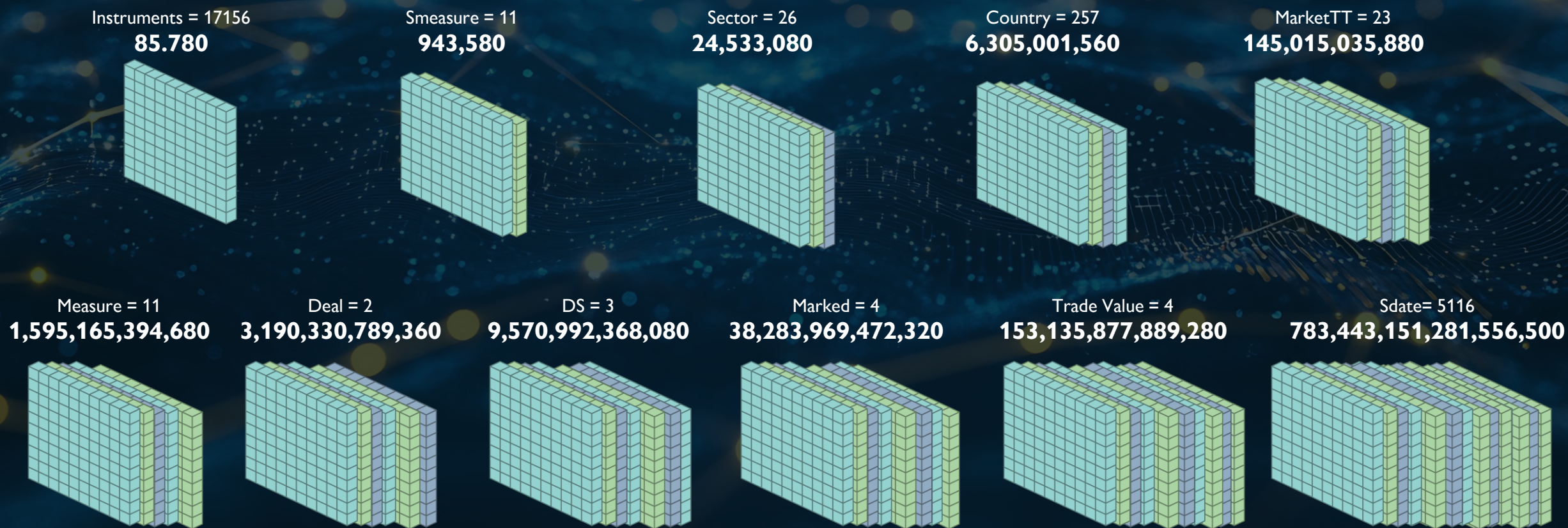
Initially, the Bank attempted to develop a new solution internally, but the complexity of the business requirements prevented success. An external vendor was then contracted, but this approach also failed due to Bank's unique and intricate operational needs. Consequently, a new tender was issued, to which iOCO responded. After thorough assessment, it was determined that a fully customized BI solution would be the most effective approach and utilize the OBIEE technologies to produce and view the reports.

Data Volumes that had to be processed

Eighteen and a Half Quintillion

Possible BMA intersection point values

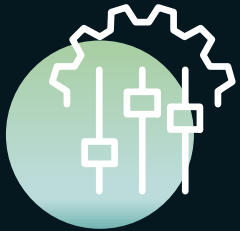
This graphic represents all the possible dimensions points that could be derived if processing information that touches every dimension point in the SuperCube that was created.



The Solution



The solution was designed with advanced functionality to support the Banks complex data processing and analysis needs.



The customized system enabled comprehensive data ingestion and provided business users with tools to manage data mapping, correlation, aggregation, and various rules and calculations in accordance with regulatory requirements.



All data was stored in a centralized Enhanced Oracle Database (EDB), and Oracle Business Intelligence Enterprise Edition (OBIEE) was used to generate interactive reports, facilitating the analysis and publication of Record Management Time Series (RMT) that is used for quarterly bulletins.

The Challenges Overcome

Several key challenges were addressed during the solution's implementation:

Data Integration:

An automated unified ingestion framework using ETL (Extract, Transform, Load) was created to standardize and consolidate disparate data sources

Data Quality:

Validation and cleansing mechanisms ensured that the data was accurate and reliable.

Complex Rules & Analytics:

Intricate business rules were defined and embedded in the solution, ensuring consistency in the analysis.

Handling Large Data Volumes:

The system was optimized to manage high-volume data efficiently.

Dynamic Hierarchies & Business Rules:

The solution allowed business users to modify hierarchies and adjust rules independently, reducing reliance on IT.

RMT Generation:

The system ensured timely generation of detailed RMT series for quarterly bulletin financial reporting.

By addressing these challenges, the solution provided the Bank with a scalable and highly configurable BI platform.

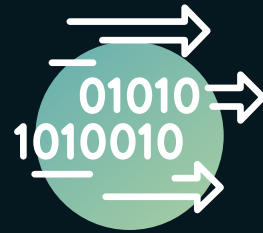
Results achieved

The new solution led to significant improvements for the Bank's **Economic Statistics Department**:



Increased Operational Efficiency:

The solution reduced the time required for data ingestion, processing and analysis, enabling the team to focus on high-value tasks



Improved Data Accuracy: Automated processes enhanced data quality, ensuring accurate insights for decision-making, reducing the time from source to target results.



Positive User Feedback: The ESD team reported a significant improvement in workflow efficiency, accessibility to insights, and financial reporting, so much so, that iOCO was tasked with an even larger project.



Greater Business Autonomy: Business users were empowered with self-service capabilities, reducing their dependency on IT for report generation and analysis.

The team that delivered the solution and their capabilities

Who we are



Highly skilled IT developers with years of experience in delivering customized and Oracle-based solutions.

What we do



Address complex business requirements through tailored IT solutions and Oracle software implementations.

Why we excel



Expertise, innovation, teamwork, and a commitment to overcoming challenges.

Core Mission



Empower businesses through innovative technology and unwavering dedication.

Our Expertise

Software Development

Custom solutions using Java, C#, .NET (Core 2.0+, Framework 4.5+), and more.

Web Technologies:

Expertise in HTML, CSS, JavaScript, JSON, API/REST/SOAP integration.

Database Management:

Proficiency in Microsoft SQL Server, Oracle Database, SQL, PL/SQL, and MDX.

ERP Implementation:

We provide, implement and Support all Oracle ERPs, such as Fusion, Netsuite and JDE, either on-prem or on the cloud.

Data Integration:

Mastery of Oracle Data Integrator (ODI) and multi-source data processing.

Business Intelligence & EPM:

Implementing Oracle BI, Hyperion, Essbase, and FDMEE for actionable insights.

Agile and DevOps:

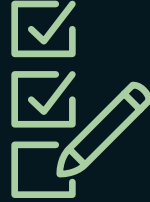
Agile development and scalable deployments.

Our Approach



Understand

Thorough analysis of client needs and industry-specific challenges



Plan

Strategic roadmaps tailored to complex business goals.



Develop

Agile practices for efficient and adaptive development



Test

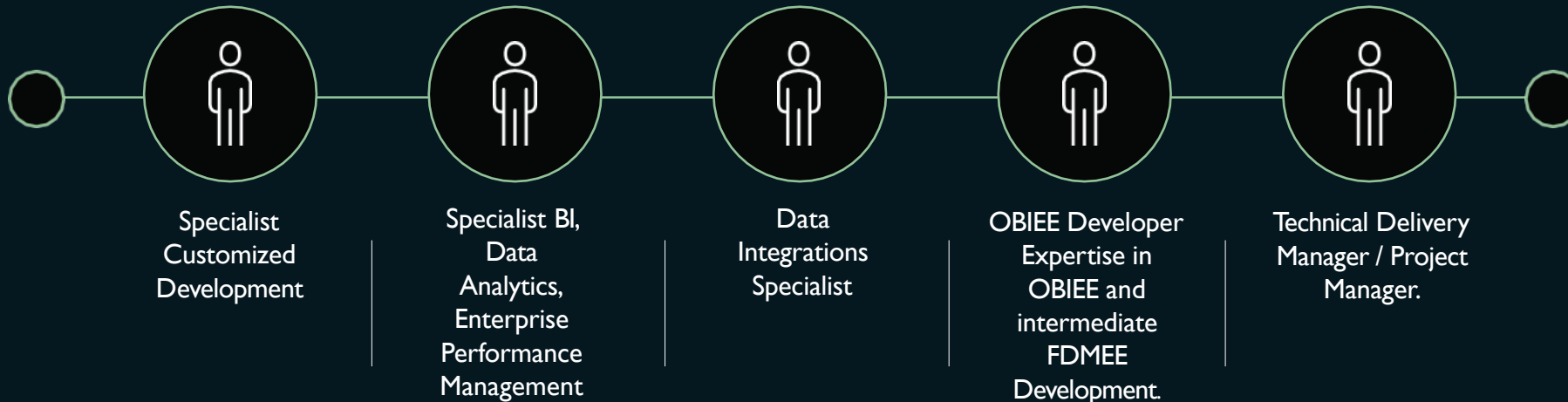
Comprehensive quality assurance to ensure robust solutions.



Deliver

On-time deployment with dedicated support.

The Team



Why Choose us

Decades of combined experience in IT and Oracle solutions.

A unique ability to tailor solutions to complex and diverse client needs.

A "never give up" approach to overcoming challenges.

Proven success in delivering results for top-tier companies.

Expertise across multiple industries including banking, mining, telecom, and pharmaceuticals.

Summary

This team have been developing solutions for many customers for many years. These are both customized solutions specific to business's complex requirements as well as implanting various ORACLE software solutions.

The key strengths of this team are to develop solutions that are unique to each customer and overcome complex and challenging requirements through collaboration and agility.

The team are very focused and committed to every endeavour and challenge they face.

Proven track record



Thank you

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