

## Strategic Executive Solutions (SES)

### Executive Summary:

Strategic Executive Solutions, a part of the Aris Zinc group, was engaged by Transport NSW, specifically Sydney Trains, to provide a Specialist Consultant for the purpose of delivering Business Intelligence (BI) and Database (DB) specialist consulting services and support duties. The project aimed to provide specialist expertise in the development and delivery of Sydney Train's corporate business intelligence, data management, advanced analytics, and cognitive solutions.

### Key Challenges:

- ✓ Ensuring BI solutions include data management and advanced analytics that adhere to Sydney Train's architecture standards and meet all business requirements.
- ✓ Ensuring effective deployment of high-quality BI solutions, including data management and advanced analytics, in a complex integrated environment within the required timeframes.
- ✓ Engaging the Business in the adoption of data management, advanced analytics, and cognitive-driven technologies.

### Approach:

Gathered, documented, and approved business requirements for data analysis and reporting projects to develop BI solutions, including data management and advanced analytics, with the goal of facilitating business outcomes and improving business efficiencies and processes through technology leverage.

Developed reporting, data analytics, and cognitive solutions using available reporting and advanced analytics tools, ensuring adherence to IT Strategy & Architecture enterprise architecture methodologies, strategies, standards, and advice. Assessed reporting requirements to determine optimal solutions for report sets, data sources, and technical delivery.

Identified multiple data sources across Sydney Train's applications and databases from which data retrieval would occur and developed complex Models and Cubes to retrieve such data for various business units and management.

Delivered BI solutions, including data management and advanced analytics, with up-to-date technical documentation developed internally and through external

service providers, and tested the effectiveness of the BI solution against business requirements.

### Outcomes:

Utilised the consultant's knowledge and experience in big data analytics, text analytics, NLP, computer vision models, predictive analytics, machine learning, data capture, and OCR. Utilised the consultant's experience in delivering fully integrated information and data-based collaborative productivity platforms and solutions. Proposed and developed standards for design and modelling, and managed and maintained the overall library to maximize efficient generation and administration. Executed safety responsibilities, authorities, and accountabilities consistent with Sydney Trains SMS (Safety Management System) requirements as defined in SMS document.



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