

CASE STUDY

Program Management Dashboard

DRMcNatty provides Program Management dashboard development to provide meaningful management reporting and eliminate redundant project management work. By utilizing Primavera P6 and Unifier data, data is automatically transferred to the reporting data warehouse and presented using Power BI.

CLIENT



PROJECT

Program Management Dashboard

LOCATION

Southern California

TOOLS

Oracle Primavera Unifier
Business Intelligence
Primavera P6
Power BI

SERVICES PROVIDED

Power BI Dashboards



OVERVIEW

With the expansion of projects and plans to host the 2028 Olympics, LA Metro needed a more direct way to review and analyze projects. Power BI was selected to develop Program and Project level dashboards to display current and historic data. DRM automated extracts from both -- Unifier and Primavera P6 -- to populate a Data Warehouse and build the Dashboards for this purpose.

CHALLENGES

LA Metro faced the challenge of needing a more direct and efficient way to review and analyze the increasing volume of project data. The selection of Power BI to develop Program and Project level dashboards introduced new complexities, including integrating current and historical data from multiple sources. DRM was tasked with automating data extracts from various systems to populate a centralized Data Warehouse, ensuring data accuracy, timeliness, and completeness. Building and maintaining these dashboards required overcoming challenges related to data standardization, synchronization, and scalability to support the diverse and expanding needs of LA Metro's projects.

SOLUTION

DRM analyzed the reporting needs and available data to produce a proof of concept, allowing LA Metro to visualize the capabilities. Once the initial design was developed, data extracts were designed and built while the data warehouse was created.

The data is captured daily but is stored by month. This allows the most current information to be refreshed throughout the month and then locked in before starting the next month. This enables the dashboards to go back in time to see what the project information looked like in prior months. It also enables trending to analyze items like between budget and forecast variance, baseline and current schedule slippage, and contingency drawdown.



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RESULTS

LA Metro continues to expand the use of the dashboards and the data it uses. It is in the process of incorporating a Unifier Business Process to capture Status Reports with images that can be used to automate monthly, quarterly, and annual reports through the dashboard.

