

Metropolitan Transport Authority

Created and executed a custom Primavera Cloud solution, seamlessly integrating all users across multiple teams into a single system.



Services

- digital transformation
- integrated data management
- system development
- digital services

the challenges

Prior to 2022, the MTA's Construction and Development Business Units were planning independently from one another on projects worth a combined 62 Billion Dollars. Management was complex, project performance suffered, lack of communication was evident and organisational reporting was limited.

Creating an enterprise project management platform was necessary to solve these issues. At the time of transition, there were 700+ active MTA projects, all of which resided on standalone databases of differing Oracle Primavera versions and platforms.

Any new system required a quick and seamless transition from the legacy environments to prevent any interruptions or delays to the live projects.

Given the range of versions of Primavera in the legacy MTA system, data corruption was rife in the older databases. This presented in performance related issues Business Unit wide. Cleansing of old data was paramount.

Several MTA and non-MTA project members required access to the new enterprise system to allow the monthly MTA schedule review

process to be carried out between the project team and contractors.

The sensitivity of data meant that project security was a critical factor.

With each business unit working independently and lacking a consistent view of high-level project optics, a new reporting system was needed.

It needed to provide all project team members with an accessible portal to view the latest project data. Without a centralised data lake, project issues weren't being identified or resolved.

700+
active
projects

\$62 Billion
spend on projects

Eight
standalone
business units



Please Share.



th3rdcurve®

© th3rdcurve Ltd 2024



'Querying project data became much easier with an enterprise system centralising all data.'

the solution

Th3rdcurve designed and implemented a bespoke Primavera Cloud solution that integrated eight large standalone business units into one P6 Cloud Enterprise System. This digital transformation required each active project to be migrated into the new environment.

Manually moving each project was implausible; an integration between SharePoint and P6 was developed using Oracles Project Integration Framework software (PIF). PIF allowed us to automate the import of projects from a library in SharePoint to the P6 database without the need for manual imports. This facilitated a speedy transition from legacy to the new cloud environment without interrupting the day-to-day activities of the user.

In order to cleanse the older data during this process, we needed to provide a solution that maintained a high level of data integrity from start to finish. Th3rdcurve integrated a set of baseline thresholds governing which data is passed into the Cloud. These rules controlled the

quality of data to ensure nothing was allowed to corrupt the new system. Aligning this process alongside our integrated import process and running behind the scenes on every import, our goal was to maintain a clean environment and ensure high performance.

A 2-database solution was designed, this seamlessly allows for the MTA project team and their contractors access to their projects with bespoke data access, enabling them to securely review and approve monthly project schedules. Querying project data became much easier with an enterprise system centralising all data.

Our solution provided a Performance Portal containing multiple dashboards displaying the latest project information for all Business Units. This performance portal project metrics quickly identify projects that are late or showing negative trends. Any MTA project member can view the dashboards to get current project data in several modifiable formats.

the impact

- Migrated 700+ Live projects to the cloud: enabling program and portfolio analysis
- Implemented two database solutions: managing imports and data quality
- Automated migration and import process: increasing efficiency and data quality
- Adoption of better processes and tools, improving planning processes
- Implemented tiered EPS security: enabling supply chain access and MTA oversight
- A live performance portal: improving project and contractor performance
- Implemented live dashboards: real-time monitoring, driving increased data quality across all teams
- Enhanced business scheduling and controls data processes: vastly increasing digital maturity

Want to know more about our projects & how we can help you?



Please Share.



th3rdcurve®

© th3rdcurve Ltd 2024