Case Study

Panaya

FGC Record Time SAP S/4HANA® Migration:
Risk-Free with Panaya

Founded in 1979 and based in Barcelona, Spain, Ferrocarrils de la Generalitat de Catalunya (Catalan Government Railways, or FGC) provides railway transport, tourism services, and mountain related activities. With 80% coverage of Catalunya and 32 trains per hour at peak times, between Barcelona and the Vallès region, FGC is a vital artery of transportation for 80 million travelers a year. It also provides contracted services in the fields of water, power, transport, and postal services.

With 100% of their energy supplied from renewable sources in 2019 and the aim of reaching 50% of solar origin by 2020, FGC aspires to environmental efficiency excellence.

Challenge

As a further step in their digital transformation, the railway company wanted to improve the performance of its services. For that end, FGC embarked on the ambitious project of migrating their legacy ERP system to SAP S/4HANA® with EHP8 for HCM on-premise.

They looked to Panaya as a way to mitigate the impact of changes derived from this project. FGC's initial expectations were to have as clear a plan as possible of change management, from beginning to end of the project. FGC could not afford any disruption to their day-to-day business. Therefore, the migration had to be:

› As swift as possible
› High-quality
› With minimal risk

> Panaya RDx was a key factor of success to our SAP S/4HANA migration. Going forward, we will use Panaya to manage all of our SAP® changes."
>
> **Ruben Cadevall, IT Manager, FGC**

Solution

Using [Panaya Release Dynamix (RDx)](#), FGC was able to keep their SAP system up-to date with EHP upgrades.

First, they applied next-generation Impact Analysis to run simulations of the impact of change. This included an analysis of satellite applications and interfaces that communicate with them. The analysis resulted in a report, detailing all impacted objects and necessary tasks for corrections. Next, the report was used for project scoping, representing the savings on testing and code corrections. Finally, Panaya RDx was used to accelerate test management of the most business-critical tests.

Results

FGC was able to complete the migration to SAP S/4HANA and add SAP Fiori® functionalities - all in six months - to provide visibility through mobile devices to financial processes, accounts and public contracts. The update was made in a single step and has not had any impact on day-to-day usage. Panaya RDx was instrumental in the migration process. RDx success factors measured by FGC include:

› Almost no incidents derived from changes

› High speed

› Effortless test execution

Impact Analysis | With Panaya RDx, FGC was able to run an automated, pre-migration code review and save 50% of code correction tasks. Test plans that were automatically generated by RDx covered 100% of 1868 impacted objects identified. FGC attests that using Panaya RDx resulted in a 30% - 50% time saving on testing.

Test Acceleration | All stakeholders across the different FGC departments are now able to see SAP business process testing from start to finish. Panaya's real-time dashboards, provided FGC test managers with actionable insights and allowed them to identify bottlenecks throughout the testing process.

Below are some test acceleration metrics:

› **1,411 Unit Tests were run using RDx, with reusable test evidence automatically being captured**

› **Out of 605 business processes tests that were executed in Panaya, around 1,300 steps now have evidence**

› **310 defects were automatically raised and handled in RDx**

› **Almost 90% of the FGC SAP business process are now covered by the Panaya RDx Test Catalog**

The defects management dashboards highlighted "show stopper" defects and enabled FGC's IT and business leadership to easily make real-time decisions on what defects, if any, are critical to close in order to meet the intended go-live deadline.

Bottom Line

For their risk-free success in meeting the initial evaluation calendar milestones for the project, FGC has won the Gold Award at the SAP Quality Awards in the Fast Delivery category for the conversion and migration process of its SAP S/4HANA systems.