

# TEST AUTOMATION FOR SEAMLESS IVALUA UPGRADES IN THE TELECOM SECTOR



Orange, a leader in telecommunications, systematized the test process of its Ivalua solution thanks to the test automation platform provided by OJC Consulting.



## Key facts

|   |                                |
|---|--------------------------------|
| 42 B<br>turnover                          | 67,000<br>suppliers            |
| 6,000<br>users in Ivalua                  | 16,000<br>sourcing projects    |
| 220<br>hours of manual testing eliminated | 700<br>test scenarios executed |
| 46,000<br>clicks automated                | 77,000<br>screenshots          |

## Project objectives

- **Ensure non-regression** in a highly customized solution through comprehensive testing across all business rules.
- **Validate complex contract and sourcing processes** in collaboration with stakeholders who have the appropriate authorizations.
- **Perform annual upgrades to the latest Ivalua version**, introducing additional challenges to the testing process.
- **Minimize disruptions for users and suppliers** after upgrades activities.

## Context

With 26 entities, 140,000 employees, and 298 million customers worldwide, Orange is a leader in the telecommunications industry. Since 2012, Orange has utilized the Ivalua solution to optimize procurement processes, and in the last years, has scheduled an annual upgrade to keep up with the latest innovations.

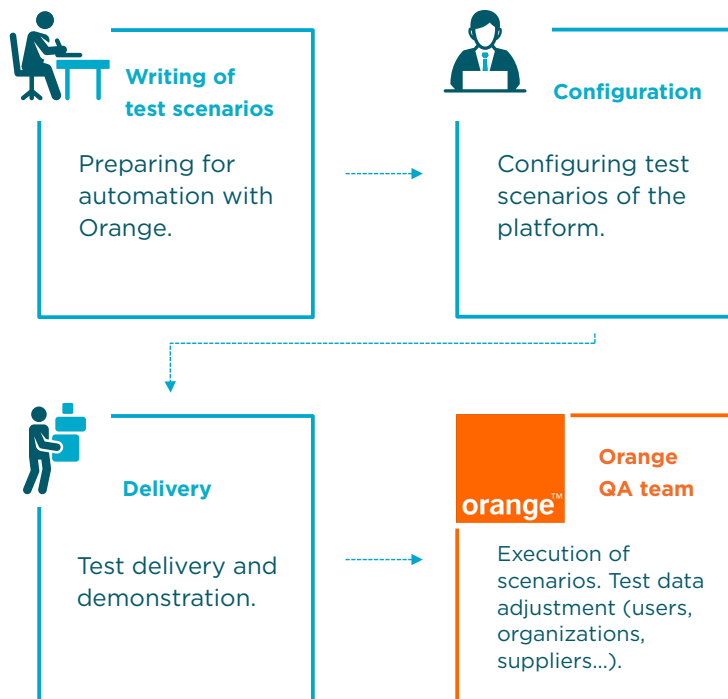
The solution is tailored specifically to Orange's needs, but this level of customization required significant effort in non-regression testing. Orange developed an effective methodology to streamline its testing process, and with OJC's support, they aimed to take this a step further with automated testing.

# ORANGE HAS SIGNIFICANTLY IMPROVED ITS QUALITY MANAGEMENT PROCESS, ACCELERATING AND STREAMLINING ITS TESTS THANKS TO OJC'S TEST PLATFORM

## Solution deployed

In the first phase of the project, **OJC automated a significant number of Orange's test scenarios** across three key Ivalua modules: **Suppliers**, **Contracts**, and **Sourcing**.

The scenarios were initially configured and executed on the existing version of the solution, then delivered to Orange, enabling them to execute the tests autonomously on the upgraded version.



## Integration

Orange's testing scenarios are complex, involving numerous steps, with **some scenarios requiring over 350 actions**. With the OJC Test Platform, these actions were grouped into reusable components, significantly reducing configuration time and **ensuring consistent execution** across scenarios and Ivalua versions.

For example, OJC implemented systematic checks of all application page labels, sometimes exceeding 100 labels on a single page, to guarantee consistency and quality.

## Benefits & results

- **The upgrade was validated a week earlier than planned**, allowing Orange to save valuable time and speed up the release process.
- **Automation covered 50% of the scenarios** for Suppliers, Contracts, and Sourcing modules, boosting efficiency, reliability and significantly **improving the overall quality** of testing outcomes.
- **Testers faced less manual work**, avoiding repetitive tasks and enhancing both their productivity and satisfaction.
- **Improved issue identification facilitated discussions with Ivalua**, streamlining problem resolution and collaboration.

Thanks to OJC's automated testing solution, we are on the way to better control the risks associated with annual updates to the Ivalua platform, while optimizing time, costs and maintaining consistent quality. Their availability facilitates the integration of this tool into our processes.

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**Orange**