

## Overview

A leading manufacturer in the electrical and telecommunication cables industry, the client specializes in a diverse portfolio of products, driving innovation across its operations. They needed to optimize their testing process to align with faster release cycles and ensure quality at speed.



## Objective

The client's primary objective was to achieve a 50% reduction in test execution timelines and effort by implementing end-to-end test automation across SAP and non-SAP systems. Key outcomes targeted included zero-defect releases, a stabilized smoke, sanity, and regression testing suite, and a 90% reduction in business risk through consistent, data-driven testing processes.

## Business Challenges

The client faced multiple challenges that hindered their ability to maintain quality and speed during continuous release cycles:

- **No Test Automation:** Absence of automation for complex SAP processes led to prolonged manual testing cycles
- **Inconsistent Testing Methods:** Lack of defined testing methodologies, resulted in inconsistent quality checks
- **Process Gaps in Agile Implementation:** Absence of Agile Scrum framework delayed release readiness & collaboration
- **Increased Risk Exposure:** Manual testing increased business risk with limited accuracy & delayed defect detection

## The Solution

A comprehensive end-to-end test automation solution was implemented to streamline the client's SAP and non-SAP testing processes. This included automating critical SAP modules such as MM, WM, FICO, PP, PM, QM, SD, and HCM, along with surrounding systems like DMS and GST. Tricentis Tosca was deployed to provide a unified automation framework, ensuring consistent test coverage. Additionally, a robust project tracking and reporting matrix was introduced, alongside a structured test automation strategy with standardized tools and methodologies for improved testing consistency.

## Value Delivered

By implementing a structured test automation solution, the client experienced significant improvements in testing efficiency, risk reduction, and overall process reliability. The streamlined approach not only accelerated testing cycles but also minimized errors, creating a more predictable and stress-free release process.

200%

Faster test execution, enabling quicker validation and supporting continuous delivery goals

90%

Risk reduction, achieving zero-defect releases through consistent, repeatable test coverage

50%

Reduction in test automation suite development time compared to traditional methods

### Business Benefits



Faster Test Execution



Risk Reduction



Zero-Defect Releases



Cost Efficiency