



# Testing for Success

Birlasoft Quality Assurance Factory enables Lafarge to deploy Oracle's JD Edwards EnterpriseOne faster and with higher efficiency.

**For most organizations, testing is a cyclical activity. The volume of testing goes through several highs and lows throughout the year. Due to the fluctuation, it is not feasible for organizations to maintain a full-fledged, permanent test team. An effective way to address this issue is to outsource the testing function.**

## JD Edwards Expertise

Birlasoft QA Factory is equipped with a full range of standardized quality assurance frameworks and methodologies to deliver accelerated testing solutions for JD Edwards which could be scaled up or down to meet changing needs.

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- A reusable test case repository for JD Edwards
  - A blend of quality assurance skills, industry knowledge, and JD Edwards application knowledge
  - A strong reporting framework for efficient change management and issue resolution
  - Test results captured in visual and data mode
  - Offshore, onsite, or hybrid models, as required
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French industrial giant, Lafarge was looking for a partner to outsource its JD Edwards testing function along with the applications that interface with it. The features of our QA Factory appealed to them and Lafarge chose Birlasoft as their outsourcing partner.

## Quick Facts

Birlasoft Quality Assurance (QA) Factory is a unique JD Edwards application testing service model that leverages best practices in enterprise resource planning (ERP) testing. It provides efficient and cost-effective testing solutions to companies running Oracle's JD Edwards applications. Birlasoft QA Factory provides unbiased, independent functional testing of JD Edwards development, customization, localization, and integration. Apart from regular JD Edwards modules such as finance manufacturing, sales, and distribution, it tests applications and interfaces with other non-ERP applications. Birlasoft QA Factory uses manual as well as automated testing methods to address functional testing, regression testing, and performance (load/stress) testing. It uses industry-standard tools for test automation and performance benchmarking.

## A Complete Testing Service

Lafarge specializes in building materials such as cement, concrete, and construction aggregates. Operating in 64 countries around the world with 2012 yearly sales of €15,816 million, the company uses JD Edwards Enterprise One 9.0 as its ERP system. Lafarge and Birlasoft have been working together successfully for ten years on application development. When the time came to look for a testing system for Lafarge's JD Edwards system and the third-party components that integrate with it, Lafarge turned to Birlasoft.

The Birlasoft QA Factory team is composed of JD Edwards finance, sales and distribution consultants who help Lafarge in testing JD Edwards customizations and internal versions before they get deployed in the production environments of each country in which Lafarge operates. Along with JD Edwards testing, Birlasoft QA Factory is also involved in interface and business intelligence testing, which provides end-to-end testing to ensure that the versions getting deployed in each country are bug-free.

### Birlasoft Quality Assurance Factory scores big on

- Ensuring product endurance (seamless functioning of integrated Oracle's JD Edwards modules for end users)
- Knowledge of JD Edwards integrations and interfaces, which facilitates faster integration testing
- Customization and localization testing
- Effectively applying electronic software upgrades and related performance testing
- Reducing the costs involved in setting up and maintaining a professional, in-house testing unit
- Maximizing test coverage and depth of testing
- Issue resolution and defect management

Birlasoft QA Factory for Oracle's JD Edwards includes Birlasoft's test automation framework. This framework is based on automation best practices, with defined guidelines for all phases of test automation—requirement analysis, script design, execution, reporting, and maintenance. According to Spiegel, this framework, along with Birlasoft's customized methodology, alleviates concerns about quality that can arise with outsourced projects.

### Best practices and methodologies followed by Birlasoft Quality Assurance Factory

- Independent verification and validation
- Knowledge of JD Edwards integrations and interfaces, which facilitates faster integration testing
- Core team approach: An optimally sized core team is dedicated to Birlasoft QA Factory, which can be ramped up during test campaigns. Teams are formed and maintained domain-wise/module-wise, leading to domain maturity and higher efficiency
- Strong knowledge management
- Testing professionals who are JD Edwards functional consultants
- Risk identification and mitigation prior to the test campaign

Previously, Lafarge was relying on local testing teams in each country to test each piece of the application development. The level of the testing work varied greatly from country to country and there were no standards in place throughout the entire system. In addition, there was no testing done throughout the business process if it followed through more than one application.

“Now, we are much more comfortable with having the testing done by Birlasoft, which has rules so that all of the testing is reliable and follows uniform standards, and which tests the system by business processes, from the point of the end user,” says Spiegel. “We can also provide better evidence of the testing to auditors and comply with local regulations more easily.”

Spiegel says Birlasoft QA Factory has enabled Lafarge to deploy versions of software faster and more efficiently. “If we didn’t have Birlasoft QA Factory, we’d simply never be in a position to do the same amount and level of testing,” he says. “Having the number of people required to run so many scripts would be impossible, and we would be forced to decrease our testing coverage.” Spiegel also points out the financial benefit of Birlasoft’s methodology, which provides a talent pool that is onshore, offshore, or a hybrid of both, according to each customer’s needs. “When you employ a company like Birlasoft that has reliable, quality offshore talent for testing, the overall financial benefit is quite easy to understand,” says Spiegel. “And with the high quality that Birlasoft QA Factory offers, we don’t have to do costly second rounds of central testing, making our overall development delivery model efficient and leading to true business benefits.”

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## An Effective Partner

Birlasoft, a Platinum-level member of Oracle PartnerNetwork (OPN), has achieved OPN’s Advanced Specialization for JD Edwards. Its consultants operate from 30 offices worldwide and have worked with JD Edwards since 1995, with comprehensive industry expertise in numerous verticals. Birlasoft offers flexible engagement models, and has been recognized by Oracle and industry leaders for its excellence in JD Edwards projects and its exemplary work on customer-focused solutions.



RESOURCES

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## Enterprise to the Power of Digital™

Birlasoft combines the power of domain, enterprise and digital technologies to reimagine business processes for customers and their ecosystem. Its consultative and design thinking approach makes societies more productive by helping customers run businesses. As part of the multibillion diversified CK Birla Group, Birlasoft with its 10,000 engineers, is committed to continuing our 150 year heritage of building sustainable communities.