Yethi
Innovation for Quality

# CASE STUDY

## Transforming Regression Testing for a Leading European Bank's China Operations

### The Client

A leading European financial services group with operations across 66 countries and more than 25 million customers. The engagement focused on automating regression testing for the bank's China operations running on Finacle 10.2.18.

### The Challenges

The bank regularly received Finacle Core Banking updates, making timely regression testing critical for every release. Manual testing was becoming increasingly challenging due to:

- Frequent application updates requiring comprehensive regression validation
- Complex business workflows spanning multiple banking modules
- Trade Finance processes involving multi-level approvals and custom menu navigation
- The need to validate SWIFT message processing and end-to-end lending and deposit workflows while maintaining release quality

### Company & Asset Size

- **Headquarters:** Paris, France
- **Customer Base:** 26 Million
- **Employees:** 119,000
- **Branches:** 1400
- **Net Income:** €6.00 billion

### Applications Involved

Finacle 10.2.18 (China Instance) | CRM | Assets | Liabilities | Payments | Trade Finance | General | DFIN | WMS | SOS | SVS

### Business Impact

- Automating 304 regression test cases across multiple business modules over two implementation phases.
- Identifying five application defects during automated execution before production deployment.
- Reducing regression execution time by 3x compared to manual testing.
- Enabling frequent regression cycles without proportional increases in testing effort.
- Delivering measurable savings in time, testing resources, and operational costs.

## Scope of Work

Yethi implemented its AI-powered test automation platform, Tenjin, to automate functional and regression testing for the bank's Finacle Core Banking System. The engagement included:

- Tenjin installation and configuration within the bank's environment
- Validation of automation templates across in-scope modules
- Development and implementation of automated regression test suites
- Execution reporting and stakeholder validation
- User training, documentation, and knowledge transfer
- Two-phase implementation delivered within the agreed timeline

## The Solution

Yethi deployed Tenjin to automate regression testing across the bank's Finacle ecosystem.
The solution included:

- End-to-end automation of Core Banking business processes
- Reusable regression test suites designed for repeated execution with minimal static data updates
- Automation of complex Trade Finance, Payments, Assets, and Liabilities workflows
- Validation of SWIFT MT100, MT200, and MT700 message formats
- Automation of loan lifecycle management, deposit processing, CASA operations, account servicing, and payment scenarios
- On-site implementation, user training, and complete knowledge transfer to the bank's testing teams

## Conclusion

By implementing Tenjin, the bank transformed its regression testing process from a manual, time-intensive activity into an automated, repeatable framework. Regression cycles were completed three times faster, software quality improved through early defect detection, and the bank achieved substantial savings in testing effort, time, and cost while ensuring greater confidence in every Finacle release.

## About Yethi

Yethi Consulting Pvt Ltd is a leading provider of Quality Assurance, Test Automation, and Payments Modernization solutions for the global banking and financial services sector. Our mission is to ensure the reliability of financial applications, accelerating business success worldwide.

With over a decade of experience, Yethi combines deep domain expertise with a robust library of 1.2 million test cases covering 350+ financial applications. We've successfully delivered 700+ projects for 130+ customers across 30+ countries, offering a comprehensive suite of products, services, and solutions.

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