Brief

2014 Awards of Excellence Honorable Mention

Application Development and Delivery

Mohamed Abdelhamid, Thermo Fisher Scientific Inc.
Automated testing supports agility, scalability, business growth

Application Lifecycle Management

High-level overview: Using HP Testing automation software, Thermo Fisher Scientific has realized the following benefits:

- 50% faster testing speeds time-to-market, enhances business agility

- Productivity gains enable IT QA staff to increase applications testing coverage by 100%

- Reduction of manual testing reduces errors and ensures consistency

- IT QA team delivers value to the rapidly growing life sciences research business

- Stable applications ensure smooth business operations and good customer experience

- Scalability positions company to meet future demand

Company: Thermo Fisher is a world leader in serving science, with revenues of $17 billion and 50,000 employees in 50 countries. The company helps its customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics, and increase laboratory productivity.

Contact: Mohamed Abdelhamid is Thermo Fisher's Director of IT Software Quality. His team is responsible for IT software quality activities, managing QA tools for software testing management, load testing, and testing automation. Each enterprise application requires new releases at least monthly. In addition, his team takes on 60 to 70 projects a year to install new systems and enhance the functionality of existing ones.

Business goals: Until two years ago, most testing was done manually, leading to possible error and inconsistency. In crunch times, the team either had to limit release functionality or speed testing in ways that potentially could impact quality. Abdelhamid put together a roadmap to automate testing and scale his team's ability to meet increasing demand as Thermo Fisher grew. Key goals were to scale, automate, and improve the cost-efficiency and quality of software testing, in order to support business growth and agility, and avoid the revenue impacts of application downtime.

HP Software products implemented: HP Quality Center; HP LoadRunner (Performance Center); HP QuickTest Pro (UFT). These HP software solutions enable automation of day-to-day testing procedures, replacing error-prone manual processes to ensure that changes into applications are clean, consistent, production-ready, faster, and more efficient. Thermo Fisher works with HP Partner Orasi Software.

Benefits: Faster testing has reduced time-to-market, enhancing the company's responsiveness to market changes and customer demands; testing time is down roughly 50%, from one week to 3 to 3.5 days for eCommerce system testing. Gains in testing productivity have enabled staff redeployment for greater added value; the testing team has grown the scope of business-critical applications it supports by 100%. Avoidance of manual errors creates a more stable software that ensures smooth business operations and creates a better customer experience.

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