

# CASE STUDY

## Large-scale project execution methodology

### Overview

nCore design was selected by a major IT consulting company to advise on and oversee the project management and execution methodology for a mission-critical financial software development project. This regulatory mandated system implementation was undertaken at a global Japanese securities firm over a 12 month period.

### Challenge

Advise and manage a large software development project with a regulatory mandated go-live date, difficult user demands and a 10-year old legacy system with no documentation.

### Solution Description

- A modified Feature Driven Development (FDD) methodology using a cyclic, evolutionary development release schedule focused on complete sets of business workflows.
- Emphasis on continuous client involvement during analysis and testing: daily and weekly meetings with the client, ad-hoc interaction and participation in the client's Project Management Office (PMO) controlled framework.
- A transparent and concrete process for tracking project issues on a daily basis using Trac.
- A pre-release feature review process with a go-no-go software release checkpoint to minimize risk.
- A continuously integrated software configuration management and build system using subversion and CruiseControl.

### Results

- The project was delivered on-time despite the client's continuously changing implementation timeline and system scope
- The project was able to adapt to strict client technical demands and project management framework.
- All of the features required for a given test were verified and ready in time for each compulsory test
- The software develop-test-release cycle was reduced from one release/month to a release every day during the life time of the project



## CASE OVERVIEW

### Situation

Three physical locations, four computer languages, two spoken languages, strict intellectual property rules, a 10 year old legacy system with no documentation, "cannot fail" periodic compulsory tests and a regulatory mandated go-live date.

### Solution

By specifically adapting Agile methods to client and vendor requirements, an efficient project execution methodology was implemented on behalf of the vendor. nCore also oversaw the implementation in a project management and advisory capacity for its 12 month lifetime.

### Benefits

- Delivered on-time with all compulsory tests passed.

### About nCore

nCore Design LLC develops high performance software and systems for multicore processors, GPUs and embedded systems. nCore has significant expertise on wide variety of computing platforms and specialized knowledge of applied software optimization techniques. nCore is a leading provider of hands-on, instructor-led training courses focused on programming multicore and GPU processors.

nCore is a privately held company with offices in Japan and the US. nCore works with local partners to deliver state-of-the-art solutions to multinational technology companies.