



BJSS Enterprise Agile

Agile Development - Enterprise Delivery



Solutions. Delivery. Focus.

The Business Problem

Surveys of IT Directors continue to reveal that many IT projects are delivered late, are over budget and fail to meet the needs of the business.

Experience shows that the 'one-size fits all' approach to Development, Project Management and Control, advocated by some, is often not successful when faced with the complexities of Enterprise level projects.

Delivering optimum results requires a pragmatic and innovative blend of highly skilled personnel, best practices and agile management approaches. BJSS recognises this and its tailored approach takes into account such factors as:

- The culture of the client organisation
- Existing governance, management and control processes
- Project type, size and time-frame
- Technologies
- Team composition

Tailoring methods to achieve the correct balance of these factors and efficiency requires taking time to understand the Client, the business context and the project. In its Enterprise Agile approach BJSS combines this insight with experience derived from the application of a variety of methods in a range of engagements to deliver 'best fit' development and project management processes.

BJSS: Agile Development - Enterprise Delivery

BJSS combines in-depth knowledge of agile software delivery methods with extensive experience of delivering a variety of business systems to blue-chip clients and City institutions. For over a decade BJSS has introduced agile processes to these enterprises, often working under fixed-price agreements. This knowledge and experience ensures that all engagements result in a successful delivery, irrespective of the nature and scale of the project.

BJSS' experience together with its complete vendor and technology independence means it is uniquely placed to offer solutions that deliver tangible business benefits. BJSS' focus is always on delivering software of the highest quality in a transparent and predictable way.

Ensuring Quality

Defining the correct process to ensure quality in the final delivery is vital. BJSS believes that the process should exhibit the following key elements:

- Systematic method to gain detailed understanding of the problem and risks
- Iterative refinement of requirements and acceptance of solutions
- Adaptive process, responsive to changes in both the project and business
- Efficient communication: Cell-based delivery teams, close client engagement
- Agile techniques including continuous integration and automated testing
- Formal user and operations testing and implementation planning

Delivering optimum results requires a pragmatic and innovative blend of highly skilled personnel, best technical practice and agile management approaches.

About BJSS

BJSS architects, designs, develops, tests, delivers and maintains IT systems, primarily for the financial services market place.

We are specialists and trusted partners to many of the country's largest companies and we always deliver on our promises.

Ensuring Quality

- An adaptive process – responsive to change
- Agile techniques and iterative approach
- Cell-based delivery teams
- Continuous build, integration and testing
- Usable metrics for monitoring, control and management review
- Formal UAT / OAT
- Implementation planning

Understanding the Problem and Reducing Risk

- Method per project
- Risk-First and Architecture-Centric
- Proofs of concept, prototyping and demonstrations

'No Surprises' endgame

- Continuous monitoring, integration and testing
- Iterative acceptance

In addition, the process must be extensible as appropriate to:

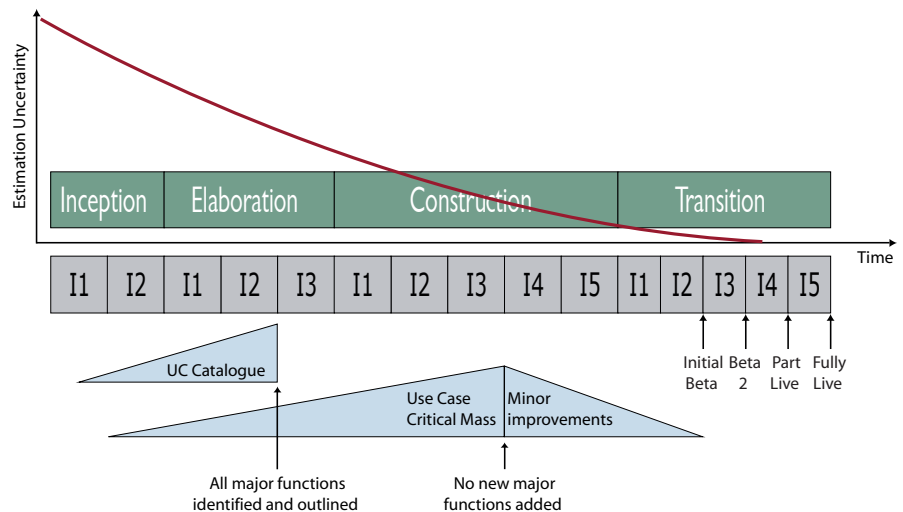
- Provide full, on-going support
- Coexist with Project / Programme governance processes

Understanding the Problem Early and Reducing Risk

Many agile project approaches do not define a systematic method for understanding the significant aspects of the problem early in the project. This can often lead to problems when the project is at a more advanced stage.

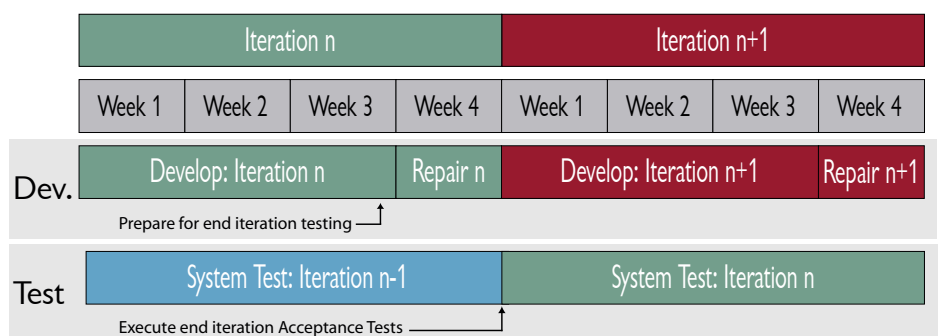
Early phases of the project must ensure a 'necessary and sufficient' initial understanding through the use of proof of concept deliveries, demonstrations, and Architecture-Centric and Risk-First development. To achieve this the BJSS Enterprise Agile process uses the phases of the Unified Process. As work progresses, understanding is further refined and confidence in development estimates increased so that at the end of the Elaboration phase, risk is reduced and accurate estimates for the entire project can be generated.

Documentation is restricted to that which is required to ensure a well audited approach.



An Iterative Approach

BJSS advocates an iterative approach to software development based on modern iterative and agile methods. Iterations are kept short (typically 4 weeks or less), with continuous monitoring, integration and testing. Teams are well structured with a strong focus on efficient communication, clearly defined roles, frequent team meetings and iteration planning.



Find Out
More

visit:

[www.bjss.com/
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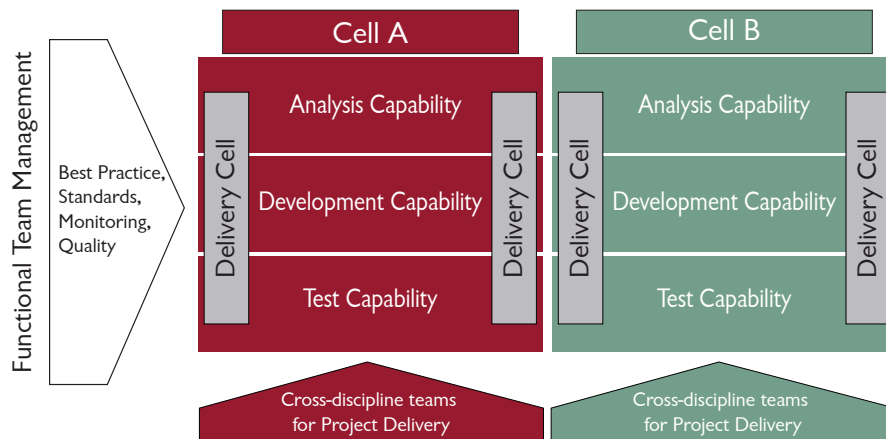
Adaptable Process and 'No Surprises' Endgame

The iterative approach allows any changes to requirements or unexpected challenges that may arise to be accommodated in a controlled manner. Estimates can be refined and the process improved as the project progresses. This approach ensures the client is always aware of both the functionality being developed and the current status of the project, thereby minimising the chance of unexpected outcomes.

Cell-Based Delivery Teams

BJSS believes in multi-disciplinary delivery teams that include full analysis, development and test capabilities. Throughout the project there is a continuous recognition that the objective is to deliver business benefit, not purely to deliver a technological solution.

Cell-based teams ensure efficient communications and enable an optimal approach to analysis, development and testing. Each cell has the skills required to deliver, which ensures efficient working and avoids the blame culture often associated with more siloed ways of working.



Cells have an inherent ability to monitor and adapt in response to changing requirements. The inclusion of a business analysis capability within a cell ensures a solid communication interface is established with client business teams.

Continuous Integration and Testing

Continuous integration and testing provides an accurate view of quality within the emerging code base. Automated unit testing reduces overall testing time and ensures that problems are found (and fixed) as early as possible. This results in a stable, robust code base that integrates more readily, allowing for an immediate awareness of issues and a rapid response.

Formal UAT / OAT and Implementation Planning

In addition to automated and continuous unit testing, formal UAT / OAT is employed. Planning for UAT / OAT takes place throughout Construction. Defects are closely monitored and users are involved in data preparation and integration tests.

In order to ensure there are no surprises in UAT, continuous acceptance is carried out during Construction. Close monitoring and continuous testing

Many clients require a software delivery process that can dovetail readily with their own project and programme governance structures and management tools.

Adaptable Process

- Accommodate change
- Continuous process refinement

Cell-Based Delivery Teams

- Delivery teams focused on a business delivery
- Good communication with the business
- Enhanced intra-team communication

Continuous Integration & Testing

- Stable code base
- Early problem resolution

Formal UAT and OAT

- Every iteration - iterative acceptance
- 'No surprises' end game

Quality Measurement

- Defect density
- Re-open rates

Planning

- Glide-path to success
- Project velocity
- Efficiency
- Estimation accuracy

Free Project Health Check

Contact BJSS to discuss a Project Health Check.

ensure that while UAT / OAT is a formal process, new discoveries are rare, defects are typically low and the glide-path to acceptance is smooth and predictable.

Measuring Success

The use of metrics throughout the delivery process allows progress to be monitored appropriately and informed management decisions to be made.

Examples of measurements include: daily defects (submitted / fixed / closed / re-opened), defect density, velocity, efficiency and earned value across an iteration.

When effectively defined and used, metrics can show how well the project is progressing and allow meaningful comparisons between projects.

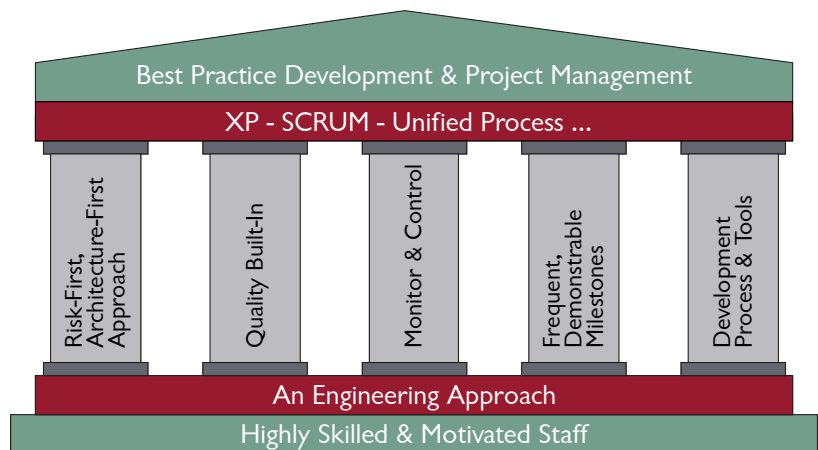
Project / Programme Governance

Many clients require a software delivery process that dovetails readily with their own project and programme governance structures and management tools.

Key to achieving this link between high-level management tools and an iterative software delivery approach is clear identification of the interfaces between the two and ensuring good communication flows through these interfaces.

BJSS Enterprise Agile

A tailored combination of best practice software development and project management methodologies, implemented by a team of highly skilled and experienced staff ensures high quality and predictable software delivery.



BJSS has evolved its Enterprise Agile approach over 15 years of successful delivery of projects, varying in scope from one person to major engagements comprising BJSS staff, client staff and third parties.

The BJSS Enterprise Agile approach represents an appropriate, pragmatic and proven route to successful and repeatable software delivery.

Contact BJSS to see if our free Enterprise Agile Project Health Check would be suitable for your project.



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