

# Agile development by Peacock Engineering



Agile development methodology  
enables faster implementation  
of EAM solutions



**IBM**  
**maximo**



**Fingertip**  
Knowledge where it's needed

# Agile and Hybrid development create better outcomes for Maximo and Fingertip clients

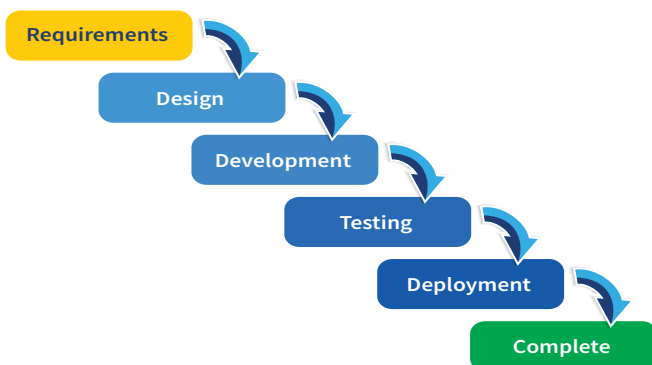
Recently some of our best projects have involved working with our customers to develop Maximo using **Agile development methodology**. Agile development delivers a number of benefits:

- better stakeholder engagement
- more transparency in the project
- faster delivery
- predictable costs and schedule
- focus on value and user experience

Change has been allowed and adopted at the core of the development cycle, to give iterations toward a great delivery. This has delivered projects that get higher user adoption and meet business objectives, on time and at a lower cost.

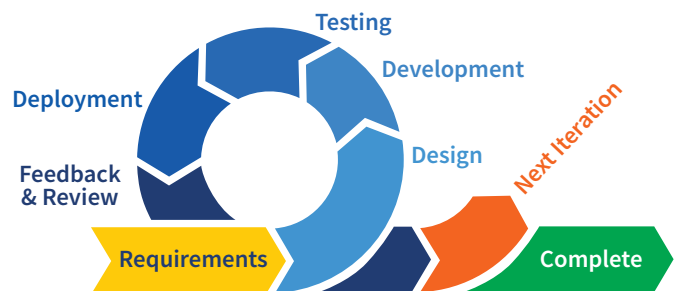
We have a history of successful Maximo projects delivered using a proven, structured 'Waterfall' (linear) model – however, in 2014 we adopted **Agile** for Fingertip development.

## 'Waterfall' methodology:



We soon saw the benefits of the method, and applied the toolset and methodology initially produced for Fingertip to some of our Maximo projects with great success. Over time we have combined Agile with our proven, traditional waterfall Maximo implementation for a hybrid agile approach.

## Agile methodology:

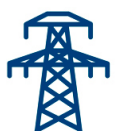


This gives the benefit of a tried and trusted, gated delivery method for infrastructure design and project governance - particularly important for regulated industries. When combined with the flexibility of Agile in development and the better results Agile brings, this gives customers the best of both worlds.

However - anyone who knows Maximo understands that achieving Agile development is not so easy. For true adoption, frequent deployments and higher frequency testing is mandatory to achieve successful sprint development cycles, and this has a cost in Maximo terms.

Peacock have developed a specific automated testing and deployment toolset specifically to enable customers to achieve these frequent test and deployment cycles – meaning some customers can achieve a production drop every 3 weeks if required.

We also manage and refresh multiple development environments for Customers using the automated deployment tooling in order to support parallel development workstreams - delivering more value to the business in a shorter timeframe, with no impact to quality.



# Advantages of the Agile implementation process

For SaaS companies like Peacock Engineering, the deployment of Agile methodology is ideal for large or complex implementations with unclear, incomplete or fluid requirements.

Agile implementations break deployment tasks into short increments with minimal planning and without concrete long-term planning. Each iteration (represented by a loop) generally lasts between 2 and 4 weeks and is driven by a cross-functional team. Towards the end of each iteration, the team delivers a working solution that is verified by the customer and in many cases the end-users.

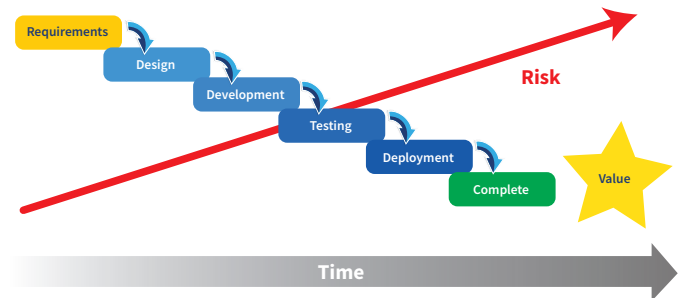
Each subsequent iteration builds upon the prior for a cumulative effect.

The Agile process demonstrates value earlier and continuously, increases project visibility and forecasting, and reduces risk as deviations are recognized more quickly.

By dividing the implementation into smaller and more manageable increments, development teams can more quickly adapt to incomplete or changing requirements. This reduces waste, rework and project administration while also providing earlier assurance that development delivery meets user expectations.

After each iteration of a project, smaller releases enable collaboration with client quicker rather than a larger release at the end.

## Waterfall development - higher overall risk



## Agile development - lower risk



**Case Study:** We recently migrated a 'Big Six' energy provider's Maximo solution to our Managed Cloud Service (initiatives including upgrading Maximo from 7.5 into the current supported version of 7.6.1.) This includes a dedicated private cloud with multiple integrations, and a comprehensive support contract that dovetails with the client's own support team and our off-shore resources.

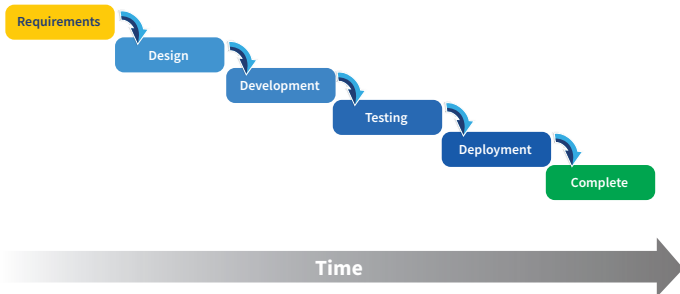
Our team worked collaboratively to develop comprehensive security protocols and standards to meet their needs as a Critical National Infrastructure operator. This project comprised Sprint Planning, Show & Tell Sessions and Daily Stand-up meetings as part of the 'agile' development methodology. At the end of each sprint, the developers delivered show and tell sessions to the product owners; these outlined the functionality and build and any issues that needed to be resolved before proceeding to the next iteration process.

Furthermore, having our own cloud managed service allowed us to deploy sandboxes for development very quickly therefore enabling Agile development to start almost instantly.

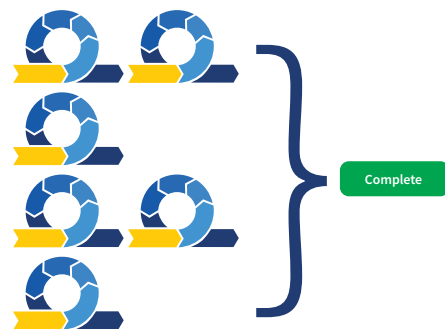


## Agile methodology enables faster delivery:

### Waterfall development



### Agile development - multiple teams enable faster delivery



To find out more please contact us:

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Using Agile methodology in the cloud provides important additional benefits:

**Cost reduction:** We can combine Peacock Engineering's automation engine for deployments and the technology available from our hosting providers to provide unparalleled enabling capabilities and cost reductions for customers in Agile - providing short-term environments with any configuration of Maximo and Fingertip and the corresponding data required.

**Flexibility:** The benefit of a Managed Cloud Service is the ability to flex the service in line with the changing business needs. These can include: security access measures (such as 2FA); specific regulatory compliance needs; control over patching; updating of server and OS platforms.

**Scalability:** During the sandbox phase of a project, scalability is important. Any growth in client business, user numbers, complexity or customization can always be scaled up appropriately as and where required.

**Continuity:** The Agile process is also more efficient – a project is constantly in development rather than stop/start.

#### About Peacock Engineering

Peacock Engineering Ltd was established to deliver a diverse range of Asset and Service Management solutions to asset intensive industries.

Our consulting team is made up of long standing Maximo professionals, each with an average of 12 years' experience in the product and who, together, have amassed over 400 man-years of Maximo systems implementation experience.

From this knowledge and practical application, a proven and trusted process-driven methodology has emerged. With the methodology in place, the ongoing challenge is to improve delivery efficiency and provide affordable solutions, using a mix of services and systems provisioning models, to meet a broad range of industry verticals.

