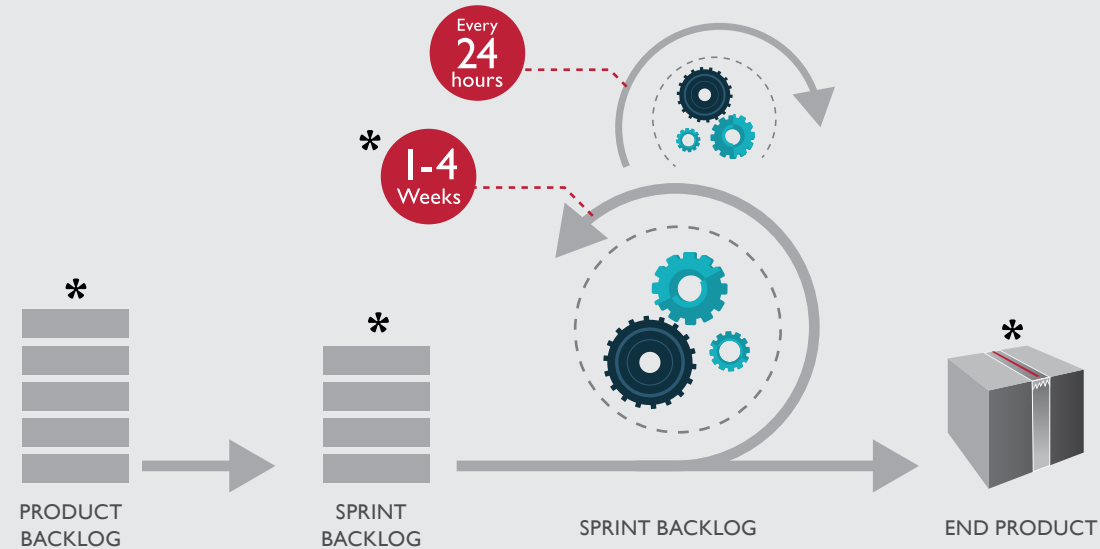
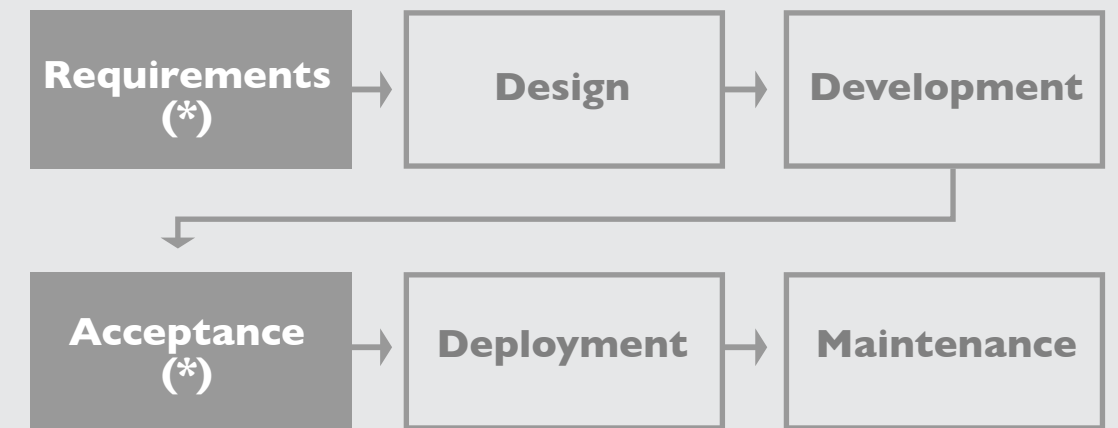


# Using Agile development to introduce Digital technology and innovation

## Agile software development



## Traditional Waterfall software development



How are the customers (the business) involved\*

- Initial definition and prioritisation of the scope;
- Review of each development iteration (every 2-4 weeks);
- Prioritise what is developed in the next 2-4 week cycle.

- Defining the requirements up-front;
- User acceptance testing once the solution has been developed.

When to use it?

- To introduce new technology where the exact scope and application is not clear;
- Where requirements are likely to change as we investigate new technology;
- To test and learn before committing to any major spend.

- To roll out established technology;
- Where the scope and budget is well established and constrained.

What do we need to make this work?

- Commitment from key users during development;
- Scalable and accessible infrastructure
- Adoption of core applications with well defined API's;
- Access to digital specialists where we test new technology

- Scalable and accessible infrastructure;
- Adoption of core application with well defined API's;
- System integration skills and resources.

Business case

- Pilot/test & learn and scale-up where successful

- Rigid business and benefits case signed off.

Organisations need to have capabilities in both Agile and traditional, Waterfall development techniques. This will be delivered through a Bi-modal approach to IT.