



## Improved testing and certification to the NICEIC accredited process...

The previous process around Electrical Certification of Projects was outdated, time consuming, inefficient and costly.

Predominately pen and paper based, the process was lengthy, with multiple elements of duplication.

### THE BACKGROUND

Time spent on the traditional process equated to circa **411** hours, on a typical example of a large-scale apartment project.

Concentrating on just the apartments electrical installation certification only it costed an estimated **£11,272.00**.

The outdated process resulted in increased opportunity for inputting errors and loss of data. These errors or inefficiencies were also not logged.

There was also the potential of rework as a result of historical errors.

### THE CHALLENGE

To improve quality and processing time, whilst also reducing costs and defects. The team needed to identify the areas of improvement and utilise resources available to improve them, including:

- Earlier engagement of designers, clients and project teams to enhance efficiency, through improved preparation and planning.
- Embracing leading edge technologies to streamline processes.
- Capitalising on problem solving opportunities within the business to promote continuous improvement.

### NICEIC Certification

has provided industry recognised assessments to the building services sector, including plumbing and heating engineers.

### THE SOLUTION

The team determined what actions were required to initiate improvements in quality, cost and processing time.

Using a 'START /STOP /CONTINUE' process allowed for an understanding of what needed to be completed first to get the project moving and action plan identified:

- The removal of waste activities took priority over the improvement of Value-Added activities.
- Roles and responsibilities were assigned to each individual to reduce the opportunity for duplication and to enhance the 'new way of working'.
- Improved methods of communication between the designer, client and project team.

### THE RESULTS

As a result of the new and improved process, one 'cloud version' of the truth is now available for all the team to access, eliminating the chance of duplication.

Time spent on the refined process was reduced to **153** hours resulting in a huge saving of **258** hours, on the same typical example of a large-scale apartment project.

Concentrating on just the apartments electrical installation certification, at an estimated cost of **£4,360.50** resulted in a saving of **62.7%** which was achieved in unnecessary resource costs.

This excludes the additional saving gained against the cost of materials and resources required for the printed certificate templates, used on site for the **NICEIC** fee per certification currently saved at £1.00 per certification.

### High Level Map

