



CONSTRUCTION QUALITY EVIDENCE APP

Technologies used:
SharePoint, Microsoft Lists, Power Apps,
and Power Automate

ANWYL GROUP CASE STUDY

01

The Problem

Discover how Anwyl, the industry-leading construction company, revolutionised its existing Construction Quality Evidence App, with the help of our Power Apps experts.

Anwyl approached us to enhance their existing quality application (developed by Adepteq) to include new compliance measures. There were several additional photographic evidence requirements to achieve Part L compliance. For example, the application did not have geolocation and lacked consistency in the way photos were taken.

There were also issues regarding the naming conventions and the organisation of site images for each plot within a development. Anwyl are now required to produce dynamic reports for each plot at any point in the construction to be compliant.

The Solution

Our expert App developers utilised Microsoft 365 applications such as SharePoint Lists, Power Apps, and Power Automate for the Construction Quality Evidence App. Anwyl provided us with project documentation and development stages that needed to be recorded throughout the project life cycle. Each stage had specific mandatory requirements that had to be completed before progressing to the next stage.

To minimise human error, our developers implemented sample images with guidelines for capturing site photos accurately. Site Managers were then able to use a simple drop-down menu in order to accurately reference the photos including the required time and the plot where the original image came from.

To streamline reporting, Adepteq developed dynamic reports using a sophisticated flow, automatically updating a predefined template with essential information, notes, and images from the application that generate a PDF. Our developers created a responsive app and reporting allowing users to access and record stages from any device, including iPads used by Anwyl on all their construction sites.

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02

Business Benefits

1. The app incorporates new compliance measures required under Part L, ensuring that Anwyl meets NHBC regulatory standards. This mitigates compliance risks, avoids penalties, and safeguards the company's reputation.

Development Name
TestAdepteq (H99999) - Plot:1 - Apartment

Stage Name
Guidance Notes
Structural frame and/or loadbearing walls,
External coverage including chimneys and flues,
Cavity, insulation and waterproofing
GIR and trays

Superstructure
Intermediate floor structure,
Lords, beams and other structural elements,
Balconies including fixings and weather proofing
Fire stopping (Substructures)

Notes

Tap or click to add a picture

Image Source: Camera

L Photo Ref:

2. The integration of geolocation for photographs resolves the issue of missing GPS data, ensuring precise location information. Accurate and reliable data proves that the photos were taken at the correct plot.

3. The app's improved automatic naming conventions and organisation of site images simplifies data management, saving time and effort. This efficiency gain enables site managers to complete stages without having to worry about naming the images, increasing productivity across construction projects.

AD L Photo Reference	Direction of Photograph	Typical Example	AD L Guidance
2a - Ground Floor to External Wall Junction			External or cavity wall insulation should extend below the dampproof course.
2b - Structural Penetrating Elements (SAP junction reference E 1/2)			There are a number of items this could cover but this would usually include lintels, and one photo is required per opening type.

4. The dynamic generation of reports on demand provides Anwyl with real-time visibility into the construction progress. The time saved from manually creating reports enables key staff to be more productive and eliminates errors.

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