



MULTIVISTA
CONSTRUCTION DOCUMENTATION

Multivista submission to the Education and Skills Committee

Introduction

Multivista (Scotland) welcome the opportunity to contribute to the Scottish Parliament's Education and Skills Committee request for views of the School Infrastructure and Quality Assurance Practices for the School estate. At the outset, we wish to acknowledge the dedication of all the local authorities to delivering safe and stimulating learning environments for Scotland's young people and recognise the potential challenges which they may face in bringing records of legacy estates up to date.

Multivista expertise

Multivista is a visual documentation company that has been contracted on over 2 billion square feet of construction projects worldwide and is trusted by the industry's leading companies to mitigate risk, create efficiencies, and deliver a higher level of project insight throughout a building's lifecycle.

Multivista offers a full suite of visual documentation services on an intuitive cloud-based platform with local boots-on-the-ground support. Along with streaming webcams, professional facility management videos, virtual walkthroughs, and UAVs, Multivista delivers interactive as-builts by linking inspection-grade visual documentation to architectural plans to capture every project with exceptional clarity.

Quality Assurance Practices

As a keen observer on capital projects throughout Scotland we would comment that there has always been a definite focus on quality assurance although it has been documented that in some instances there was a period of misplaced confidence. That now is not the case and local authorities ensure budget is made available to ensure quality is at the forefront of all capital projects.

Over the past few years Multivista have been procured by several local authorities to provide complete photo documentation of capital projects in addition to the more traditional practices. We can also testify that the focus on quality assurance has only increased during this period.

Whilst discussing QA methodology, the topic Building information modelling (BIM) is always on the tip of the tongue. We recognise the benefits of BIM completely but the stark reality is that due to the commitment required both in man hours and in IT infrastructure many local authorities cannot cope with the demands necessary.



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In the interest of providing an example, Multivista have been instructed to provide our service on the new St John's Primary in Portobello, Edinburgh. During this project, we will be providing high resolution images which we will tie to architectural drawings, indexed by date and location memorialising the entire project visually. We will also provide access to the images for wider project team via our cloud based platform. The scope of service we will provide are as follows;

Exterior progression

Capturing a 360-degree overview of your building's exterior at pre-determined intervals or phases to track its construction over time. Shoots begin at structural framing.

Interior progression

Captures an overview of your building's interior at pre-determined intervals or phases to track its construction over time. Shoots typically begin at substantial interior framing.

MEP & Fire stopping Exact Built

Exact-Built® Shoots are event-driven, one-time shoots used to create a complete photographic record of your project at critical milestones. Exact-Built® shoots are detailed, time sensitive, and provide 100% overlapping coverage and are generally captured post inspection and pre-cover up. Multivista offers numerous Exact-Built® shoot types that can be scheduled and customised according to your project's needs.

The cost of this additional quality assurance measure is circa 0.15% of the overall project.

It is also important to highlight that not every authority has the ability to prioritise budget to engage in additional quality assurance measures.

Conclusion

With our industry knowledge, it is in our opinion that quality assurance measures are of paramount importance for capital projects which has certainly increased since January 2016. We would also like to mention that we are building strong relationships with the estates and facility management departments as a by-product of our endeavours to promote Multivista as an additional quality assurance tool. Which has been mostly driven by the local authority themselves as they are recognising the importance having easy access to visual records of their whole estate.