



Construction's Digital Disruption

McKinsey & Company [reported](#) on the future of the construction industry recently, and in particular the potential for its 'digital disruption'. It found that although the sector was slow to take on new technology, several innovations were likely to make a practical and positive impact over the next five years.

In its report, McKinsey identified five technologies likely to help boost project delivery. One of those is high-definition surveying and geolocation. It was noted that new techniques (especially those that combine photography, 3D scanning and GIS) could make significant improvements in survey accuracy and speed.

We talk to our clients every day about the benefits of the technology we use, so it was good to see the report bear this out. LiDAR (Light Detecting and Ranging) technology for example was mentioned for its speed, high-quality above and below-ground image output, and its ability to integrate with project-planning tools like BIM. All of this is vital when dealing with projects that require the least possible human interaction.

New approaches like these provide further benefit when enabled by advanced drone and UAV technology and McKinsey is quick to point out the cost and speed advantages over traditional aircraft surveying. They also state that modern surveying technology is more accessible now because equipment costs have come down.

This is a great message for the construction industry and presents a huge opportunity to move it up a gear. However, as with all emerging technologies, there are risks with gaps in expertise and an obvious lack of properly explored or reported experience to call on.

What we'd like to see over the next five years is greater emphasis on the skills that underpin the use of new surveying technology and improved regulation of service providers generally. If we can achieve this while the construction sector adopts new innovations, we can be sure that project delivery won't just be faster and more cost-effective; it'll be safer and more rigorous too.

Ends.



Notes for Editors

Sky Revolutions Ltd.

Sky Revolutions is one of the UK's most authoritative voices in aerial imaging, surveying, and aerial surveying. The company offers exceptional quality multi-sector time lapse, aerial imaging, and surveying services to private and public sector institutions, Europe-wide.

Sky Revolutions is a dedicated team of professionals with more than 20 years' experience in construction surveying. Valued for their specialist surveying skills, Sky Revolutions offers effective advice and data interpretation as well as filming, mapping and CAD services.

Sky Revolutions is known for leading the way with aerial imaging and remains the only organisation using 100' masts to provide a free standing, at-height image solution for large construction sites. Highly qualified and accredited, its UAS (Unmanned Aircraft Systems) expertise helps customers access complex and often hazardous environments, see and record the condition of assets from a birds' eye view, and make informed assessments quickly, safely and cost-effectively. The company uses some of the most sophisticated drones in the market to capture ultra-high definition images at a fraction of the cost of traditional aircraft surveys and with fewer risks than platform or scaffold use.

Sky Revolutions was one of the first UK organisations to realise the benefits of drones in surveying. Drones or UAVs (Unmanned Aerial Vehicles) offer significant advantages in surveying and high-level inspection.

To find out more, or to request original files, film, or image samples, or to request an interview or comment, please contact:

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