In this era of Big Data, we are drowning in a world of information. It is critical to get the right information to the right people at the right time. The key to safe and efficient working is for staff to access only the information they need, where and when they need it.

As part of our continuous internal research programme, we have worked with some of our key Clients as end users in order to develop Smart Documents.

Not only do we produce our reports using smarter .pdf files that allow clickable photo galleries, videos, smart charts where you choose the datasets to view, and 3D objects that can be manipulated, but we can also develop bespoke Smart Apps for your business.

For example, for a large UK dam owner we developed a Smart Operation & Maintenance Manual for a dam which runs on mobile devices (phones and tablets) and utilises various ways to navigate to key technical information about the asset. This includes a zoomable map with points of interest, an Augmented Reality viewer that overlays key information on what the user is looking at, and near field communication triggers on site for instant 'how-to' video clips.

Combine this advanced ‘delivery of data’ capability with options for ‘reporting of data’ and you can submit key monitoring data, initiate maintenance work tasks and identify security issues much faster than before, saving time and money and making the site safer.

All of our Smart Apps can run offline (connecting and submitting data when next appropriate) and are designed closely with the end user to ensure they meet their particular access, security and data submission needs.

To see how our innovative research in this area can benefit your business, please contact us to discuss your requirements.

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