



McConnell Dowell chooses Orange Business Services to deliver smart IoT solution for construction sites

- **IoT platform collects, analyzes and visualizes data in real time to better manage resources**
- **Improves project management with agile decision making**

[McConnell Dowell](#), a leading infrastructure construction company has selected [Orange Business Services](#) to design a customized, smart and scalable IoT solution. It will enable construction sites to collect and report on real-time information, such as heavy machinery utilization and asset tracking, to enable smarter decision making for operational efficiency, time saving and cost reductions.

The construction industry faces significant business and technology challenges. These include equipment and skilled labor shortages, increasingly short project schedules and rising costs of infrastructure delivery. IoT will allow construction sites to leverage real-time data feeds to tackle these issues head on.

Co-innovation led Orange and McConnell Dowell to co-create use case applications from innovation and ideation to platform deployment. Orange created a flexible, scalable IoT platform to collect, report and visualize real-time information over a private IoT network, focusing on digitizing manual and paper-centric processes and removing manual tasks from the construction site. Prior to this smart approach, McConnell Dowell could only access reports that were manually collated from physically captured data, which was both time consuming and inconsistent.

With the Orange IoT platform, McConnell Dowell can now access multiple devices and sensors collecting environmental data and measure asset utilization spread across construction sites to harvest data. This is then sent across a LoRa low-power wide-area network (LPWAN) to the company for analysis, correlating with other environmental data. Via real time dashboards, McConnell Dowell can collect telemetry data such as machine movements and track assets onsite allowing project teams to assess efficiency of machine use and report on individual asset utilization.

McConnell Dowell can also track material such as concrete panels from the manufacturer through transportation and installation. On site they can then identify each individual panel and take smart decisions, avoiding incorrect placement, rework and project delays. More use cases, business applications and new construction site roll outs are planned across the business.

“Infrastructure delivery costs are rising by 8% per annum. Efficient project management directly impacts our business performance. We are focused on embedding technology in our processes and Orange Business Services proved to be an ideal innovation partner. We are now working jointly to develop solutions that can be used at various project locations for different use cases. Together, we are future-proofing our business through agile, scalable and smart solutions that streamline business insights,” said Rhys Craigie, Alliance Systems Manager, McConnell Dowell.

“We take pride in working with organizations who lead their industry in driving digital transformation and continuous innovation. McConnell Dowell is revolutionizing the way infrastructure construction projects have been managed over the decades. We look forward to co-innovating with them to drive robust IoT-enabled ecosystems for large scale projects that touch millions of lives globally,” said Kevin Griffen, Managing Director, Australasia, Orange Business Services.

About McConnell Dowell

McConnell Dowell is the Creative Construction Company for customers who want to build better communities through safe, smart, efficient infrastructure.

Since 1961, we have built thousands of quality assets and facilities for customers and communities. Our expertise has grown steadily to span building, civil, electrical, fabrication, marine, mechanical, pipelines, rail, tunnel and underground construction. With over 3,500 employees and professional engineering and construction teams in Australia, New Zealand and Asia, our customers benefit from our unique mix of local knowledge and international experience.

For more information, visit <https://www.mcconnelldowell.com/>

About Orange Business Services

Orange Business Services is a network-native digital services company and the global enterprise division of the Orange Group. It connects, protects and innovates for enterprises around the world to support sustainable business growth. Leveraging its connectivity and system integration expertise throughout the digital value chain, Orange Business Services is well placed to support global businesses in areas such as software-defined networks, multi-cloud services, Data and AI, smart mobility services, and cybersecurity. It securely accompanies enterprises across every stage of the data lifecycle end-to-end, from collection, transport, storage and processing to analysis and sharing.

With companies thriving on innovation, Orange Business Services places its customers at the heart of an open collaborative ecosystem. This includes its 27,000 employees, the assets and expertise of the Orange Group, its technology and business partners, and a pool of finely selected start-ups. More than 3,000 multinational enterprises, as well as two million professionals, companies and local communities in France, put their trust in Orange Business Services.

For more information, visit www.orange-business.com or follow us on [LinkedIn](#), [Twitter](#) and our [blogs](#).

Orange is one of the world's leading telecommunications operators with revenues of 42 billion euros in 2019 and 253 million customers worldwide at 31 March 2020. Orange is listed on the Euronext Paris (ORA) and on the New York Stock Exchange (ORAN). In December 2019, Orange presented its new "Engage 2025" strategic plan, guided by social and environmental accountability. While accelerating in growth areas, such as B-to-B services and placing data and AI at the heart of innovation, the entire Orange Group will be an attractive and responsible employer.

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