Covid-19 Tracking

To keep job sites open in 2020 all construction companies were required to implement suitable health management controls to ensure employee safety at site. This included implementation of regular heath checks before entering the site and monitoring employee activity to ensure suitable social distance was being maintained.

wakecap

Case Study

Industry	Activity	Increase Site Efficiency
Construction	Covid-19 Tracking	Automated Action

Specific Objective

During the early stages of the 2020 covid-19 pandemic, our client identified an immediate concern for one of their sites. An employee had contracted Covid-19, presenting a risk for the closure of the entire site by government official bodies.

Our client was more concerned to the well-being of all employees and sub-contractors and so turned to WakeCap for support. Their requirement was to understand who had been in contact with the contagious employee during the past 14 days - asking, "what were his site movements during the 14-day period. Was it possible to understand the high risk considerations for this new construction site requirement for tracking and tracing of site employee movement"?

The WakeCap Solution

The WakeCap system was not built specifically to monitor for the Covid-19 disease, but the WakeCap System was built to record employee movement, in real-time, to create detailed data points of every employee 24/7. This is achieved using a standard construction hardhat fitted with the revolutionary WakeCap Knob with built-in specialized sensors that wirelessly connect with the WakeCap site network.

The WakeCap System was deployed to this particular site months earlier and so we had already collected the data necessary for our team to analyze the movements of this one employee. We were able to provide a detailed report that showed the movements of the employee during the past 14-days and prepare a comprehensive list of other employees he had been in contact with during the time. This data was the foundation necessary to generate a report showing high risk personnel that the employee had been most in contact with.
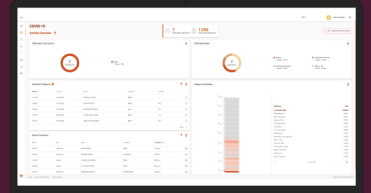
The Proven Results

The quick response from the client and the WakeCap development team ensured the site remained open during a very difficult time as we all came to understand the new requirements for management of the Covid-19 2020 pandemic.

Since this time our development team has worked to implement an automated report system, specific to Covid-19 Track and Trace. Detailed reports have been built into the WakeCap Dashboard that today allows our customers to keep a close connection to site movement should any employee, or sub-contractor, be reported to have contracted the Covid-19 disease.

New features built into the WakeCap dashboard allow our client to generate lists of site personnel who are at higher risk of contracting Covid-19 due to the time spent with an infected worker and within regulated social distance requirements. Our clients are able to identify affected employees and sub-contractor affected trade roles due to previous interaction with infected workers. Our clients are able to keep their sites safe as the system maintains lists of quarantined workers to identify who is disqualified from returning to site - both employees and sub-contractors.

Our new Covid-19 Tracker features include the ability to download the entire Covid-19 site status to a PowerPoint® presentation for analysis and review. An more importantly - demonstrate to all that efforts have been set in place to keep workers safe and sites open.

The Challenge

Managing our response to Covid-19 has been a challenge for all, not just the construction sector. During the 2020 crisis period most constructions sites remained open - however, due to various quarantine regulations and the affect the crisis had for all industries, work activity slowed.

To keep our economies moving the construction sector needed to remain active and with the support of governments and various authorities, all around the world, we were able to see continuous site activity.

Covid-19 presented new challenges to ensure the safety of all employees everywhere. New health measures needed to be implemented requiring immediate develop of suitable tools and systems - many of which were unique to the new times we were faced with.