VIC PROJECT FEATURE

UNI OF MELBOURNE WESTERN EDGE BIOSCIENCE

Kane Constructions / Parkville

DOWN TO A SCIENCE

The University of Melbourne (UoM) Western Edge Bioscience Project includes the construction of a new facility of 10,575m^2 GFA to a 6 Star Green Star rating, the design and construction of wet laboratories, the refurbishment of Building 142 South, protection and enhancement of the System Garden including trees and existing buildings, and the landscaping of Tin Alley.

The University of Melbourne (UoM) is now preparing the next generation of bioscientists, vets and doctors in an innovative new bioscience precinct at their Parkville campus in Melbourne. The new world-class facility is one of the University's first multi-faculty 6 Star Green Star STEMM buildings.

Kane Constructions was appointed to deliver the Western Edge Bioscience project (WEBS) project in August 2017. "Early works began in August 2017 with the demolition of the existing Faculty of Veterinary and Agricultural Sciences building which has been replaced with a new building designed by HASSELL, for the WEBS zone," said Kane Project Manager, Paul Christian. "The main works was completed in December 2018, and is located on an increased site area housing the university's Faculty of Veterinary and Agricultural Science, Faculty of Medicine, Dentistry and Health Sciences, and the Faculty of Science all in the same building."

The world class facility includes both wet and dry teaching labs, a sizeable object based learning space and many other formal and informal, flexible learning areas – all joined together in one cohesive precinct for the first time in university history.

"This multi-disciplinary, flexible learning building is unique and was initially a challenge for us. Through early stakeholder engagement and with a significant number of key stakeholders, strong communications was key. In implementing a range of innovative approaches, we were successful in winning the 2018 Master Builders Association of Victoria Excellence in Health and Safety Award for this project," said Paul.

"Responsible team leaders included Kane's Design Manager, Jack Cahir, Senior Engineering Manager, Jason Malmur, Senior Site Manager, Grant Watson and WH&S Coordinator, Emeile Dawkins."

The new WEBS building was originally designed to achieve a minimum 5 Star Green Star rating, but through Kane's exceptional team initiatives, is now a 6 Star Green Star building, and one of the first of its kind.

"The WH&S initiatives introduced on WEBS were embraced by the University, and are now standard on all of our university projects. These include a traffic escort matrix to move vehicles and materials in and out of the area, monthly safety awards, and an online health and safety management software system for administration and training," said Paul.

The team created a 3D model of the building allowing a virtual walkthrough before construction. Various university managers, such as the Plant Manager were able to walk through their areas, allowing for any necessary design changes to be made well in advance.

"A great initiative consisted of the 3D printed model of the internal stair area. The model allowed us to work out how to scaffold the area and bring in the materials safely, saving time and avoid any potential risks for injuries. We conducted wind tunnel testing on the façade for internal acoustics, and real time human class and performance testing on the multi-disciplinary laboratories. The laboratory areas allow for three different lecturers to interact with up to 140 students at the same time, managed through acoustics, speaker technology and spatial arrangements."

Kane has a strong working relationship with the University, and has delivered over 34 projects since 1991. Kane's portfolio of award winning projects include the $66 million UoM Arts West Redevelopment which won Kane the 2017 Master Builders Association of Victoria Master Builder of the Year Award.

The privately owned, multi-award winning commercial construction company has an annual turnover in excess of $1 billion. With over 500 full time employees, Kane operate throughout the east coast of Australia and overseas from offices in Melbourne, Sydney, Brisbane and Canberra.

Additional projects such as the $45 million Geelong Library and Heritage Centre won Kane the 2016 Master Builders Australia National Commercial Master Builder of the Year Award, and the GMHBA Stadium Stage 4 Brownlow Stand Redevelopment, won Kane the 2018 Australian Institute of Building, National Professional Excellence Commercial Construction $25M - $100M Award.

Heading into 2019, the team are currently delivering several notable projects including the $102 million Ballarat GovHub, $75 million Cabrini Health Gandel Wing, $55 million Cato Square project and the $45 million Shepparton Art Museum (SAM).

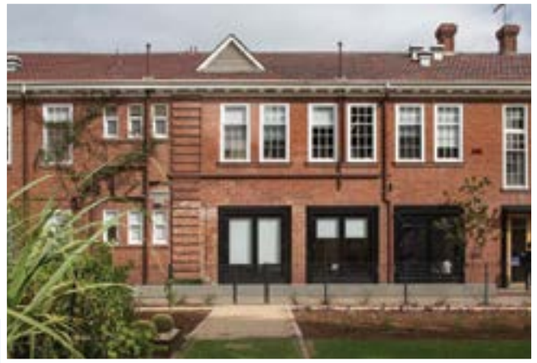
For more information contact Kane Constructions, 658 Church Street, Richmond VIC 3121, phone 03 8420 1200, email viccontact@kane.com.au, website www.kane.com.au

CLIENT : The University of Melbourne
HEAD CONTRACTOR : Kane Constructions
ARCHITECT : Hassell
STRUCTURAL ENGINEER : Irwinconsult
CONSTRUCTION VALUE : $65 million

TIMELY, EFFECTIVE SOLUTIONS

Established in 2004, LRM Global provides multi-disciplinary consulting services focused on liability and risk management solutions to a wide range of client partners, industry groups and government organisations across Australia. "Our client centric approach has been the hallmark of our success," said Chris Goletsos, Director and Principal Consultant. "It allows us to develop a deep understanding of our client's risk profile as well as a comprehensive knowledge of their property and asset portfolios."

The University of Melbourne's Western Edge Bioscience project involved major demolition works, the construction of a new cutting edge facility as well as a significant overhaul of a partially heritage listed building with a complex history of modifications and refurbishments over many decades. "Our long standing relationship with Kane and Melbourne University perfectly positioned us to provide both keen insight and knowledge of the building's history, structure and materials, and a deep understanding of their operational nuances, standards and procedures," said Chris.

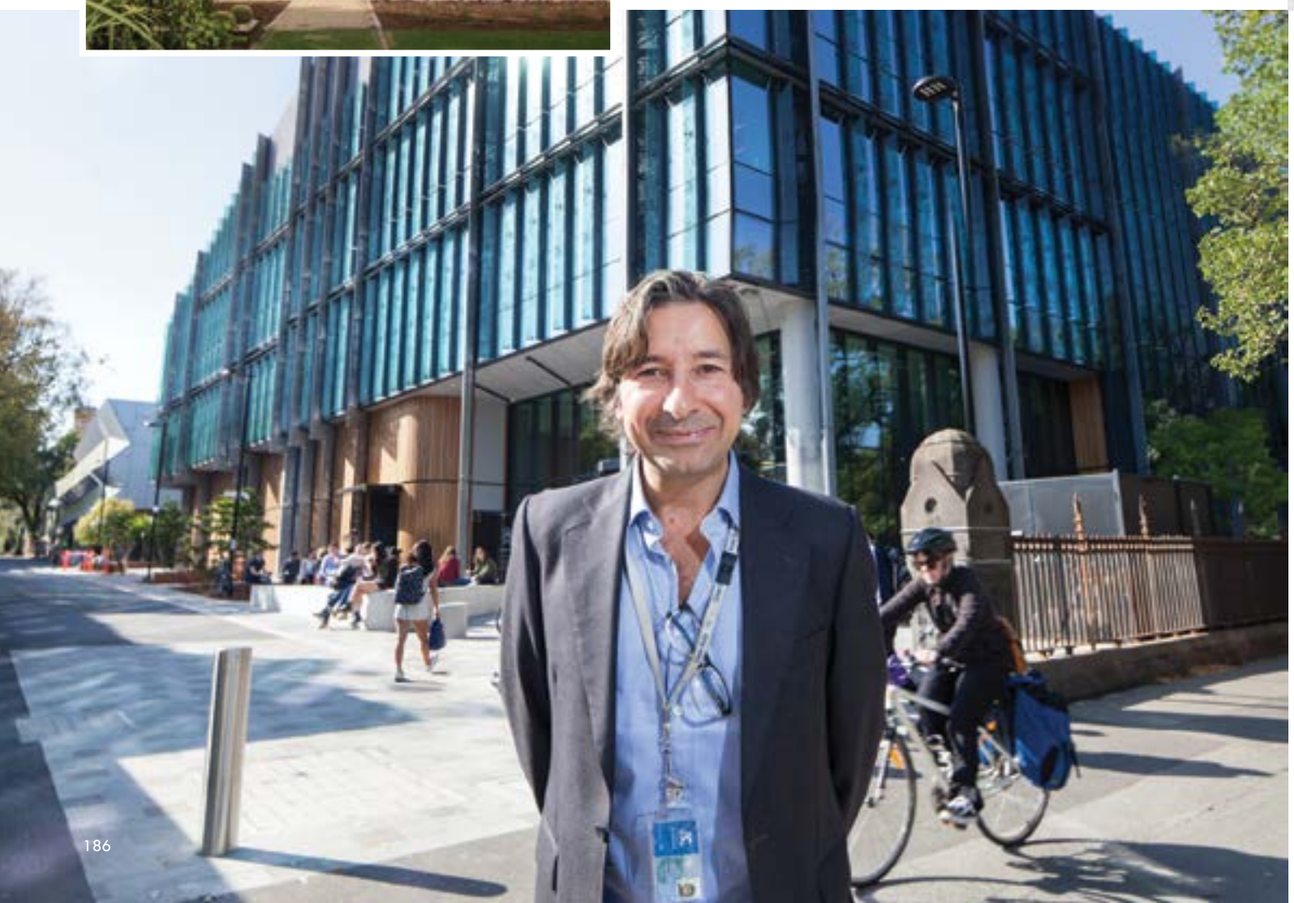


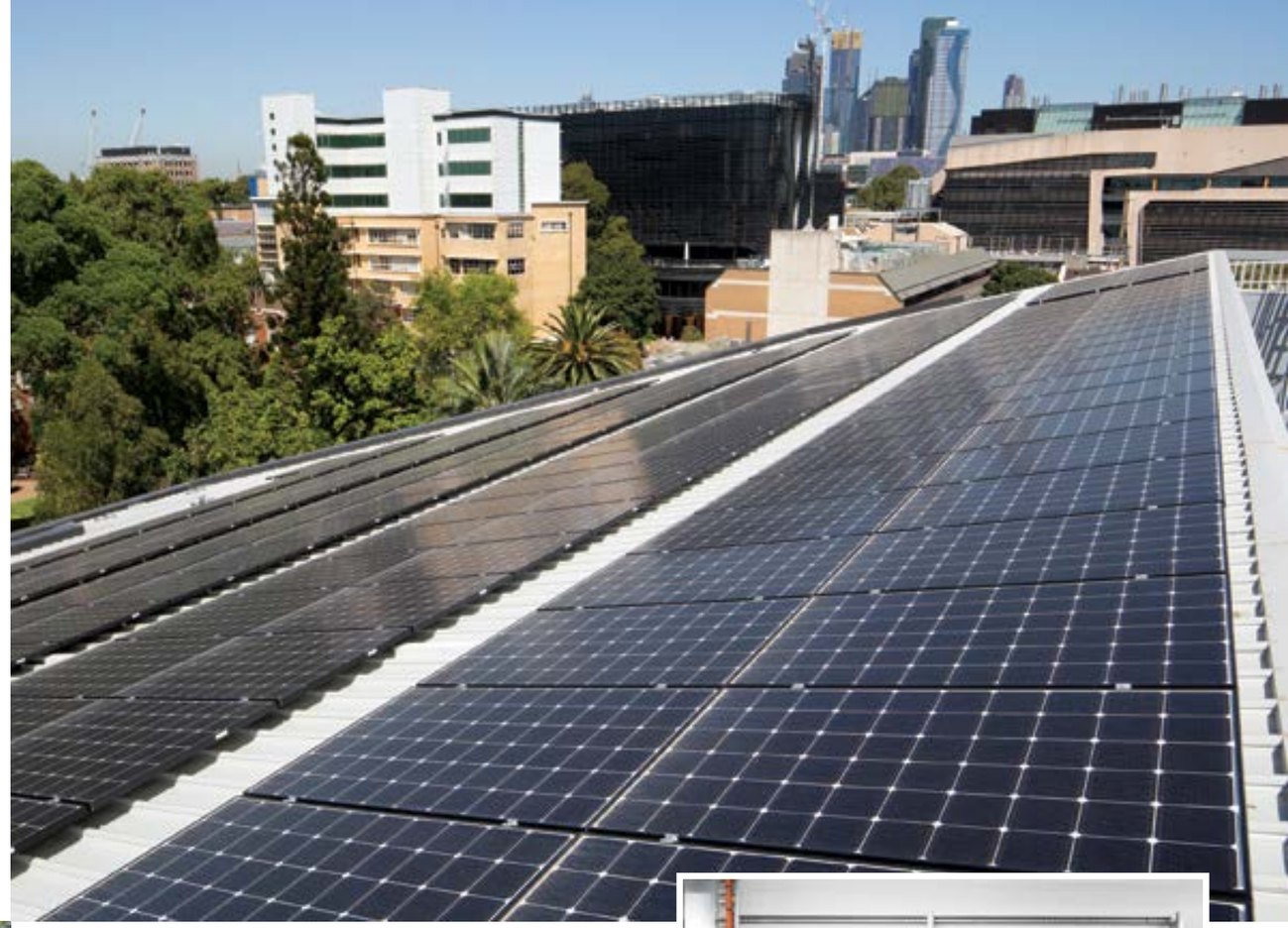
"Our Goal was clear. Minimise disruptions, bottlenecks and delays to the construction timeline by delivering timely and quality advice, technical expertise, cost effective strategies and ongoing support with rapid response solutions over the entire project timeline," said Leo Rekkas, Senior Consultant and Project Lead.

The LRM teams from their industrial hygiene, environmental services and laboratory divisions developed strategies and solutions for the safe and cost effective removal of the building's complex layers of hazardous materials including asbestos, lead, PCBs, CFCs and biological hazards, which was successfully completed over the 18 month timeline.

"During 2019 we're not only expanding our team to meet client demands, but we're also introducing a range of innovative solutions for the construction and building/portfolio management industries," said Chris. "We're looking forward to exploring new relationships with client partners who are seeking proactive solutions to both anticipate and mitigate risks to their construction projects, investment projects, workforce, property, and the environment."

For more information contact LRM Global, 65 Stubbs Street, Kensington VIC 3031, phone 03 9371 3400, email HSE@lrmglobal.com.au, website www.lrmglobal.com.au





FEEL THE POWER

The Uni of Melbourne Western Edge Bioscience's programme is a world class precinct for teaching, research, and training. While the programme seeks to improve research performance and enrich learning experiences and train the next generation of bioscientists, vets, and doctors, it's only natural that the unique world class facility is utilising the latest innovative technology as well, including solar power and inverters developed by Australian Wind and Solar (AWS).

A subsidiary of ADANT Services Group Pty Ltd, AWS has more than 20 years of construction industry experience with multi-award winning results. AWS specialises in commercial solar projects, off grid design and installation, wind generators (wind turbines) and manufacturers of the AWS range of renewable energy products and can be trusted to manage the renewable section of any construction project.

"Since 2012, our professionally trained and Clean Energy Council approved designers, installers, electricians, project and site managers, accounts and sales teams have been creating complete systems to best suit the needs of each client," said Director, Adam Falzon. "We use the best technology and develop our own range of products to make the most of new technologies available in the ever changing field of renewable energy. Our team installed 130kw of solar power and inverters at WEBS in Parkville between August and November 2018."

Other commercial projects completed by AWS include Rotten Point House, National Award Winner for best accommodation at Otways Victoria, University of SA, NDIA Geelong, Parmalat Dairy Farms and Earth Sanctuary in Alice Springs.

"There's so much more to renewable energy than just solar power," said Adam. "An investment in renewable energy can yield amazing returns both from an economic and environmental viewpoint. AWS are leaders in solar power, wind technology, hot water solutions, battery back up and off grid systems. We are manufacturers, retailers and installers of the world's most innovative renewable energy products and whole system solutions for every power need."

For more information contact Australian Wind and Solar, phone 1300 736 458, email sales@australianwindandsolar.com, website www.australianwindandsolar.com