When Melbourne Grammar School decided it was time their science building needed a fresh approach, Kane Constructions were engaged from the outsetResponsible for the demolition of the old establishment and the full construction of the new Geoff Handbury Science and Technology Hub, the client-contractor relationship was rigorous.

Commencing work on the school's new \$30 million project in July 2016 with completion having taken place late 2017, Kane Constructions had no time to waste. The unique, 5-level development housing teaching laboratories and learning spaces had two agendas to deliver: a singular architectural form in keeping with heritage requirements and the capacity to allow a collaborative teaching/learning environment. This, coupled with a need for a contemporary design with stylistic

With such a strong WH&S and quality assurance scheme, Melborateure projects by Kane Constructions show their commitment to Grammar School was assured from the outset that the competaty was delivering labour and planning with great transparency. Creating evelopments spanning from the multi-award winning Geelong new spaces for learning in science, technology, engineering articlet waiversity and Heritage Centre to the Master Builder of the Year Winner Kane Constructions faced repeated challenges concerning architect waiversity of Melbourne Arts West Redevelopment, proving innovation. With a bespoke façade system and feature wall pane with g, H L U E U R D G H [S H U W L V H D Q G X Q L T X H W K H S U R G X F W V S H F L À F D W L R Q V Z H U G I Y CHOLZVILLÀ H G ROPHS Y CHOR R S R I S Q W W W TO K H COnstructing the project has meant Kane Constructions' succepsolite ts such as the Cabrini Health New Clinical Building and Glebe completion of the innovative façade has facilitated a learning/teac siongial Housing in New South Wales. space with spectacular, slit-eye views across the school grounds.

Clearly for Kane Constructions there is a work ethos that is unrelenting To look at the space itself is to see a slim, streamlined buildwingn it comes to energy and enthusiasm. With the construction of the ERDVWLQJD PDJQLAFHQW LQWHUS CalesthetRally pleasting addition offering a design brief that inspired a 5-level buildering mmar School's new Science & Technology Centre, they have shown ZLWK LQWHUDFWLYH YDQWDJH SRLEDGAR WISOR WIND RANGE I MARKET I WWD VWDQGRXW I HDWXUHV LQFOXGHH [SRVHG SLSLQJ XQREWUXVLYHYHQWVDQ bright design palette of yellows, pristine white and subdued gregysmore information contact Kane Constructions, 658 Church Street, Interior surfaces are highly polished while the interior structures FKPRQG 9, & SKRQH ID[DH IUHVK 7R ORRN IRU H[DPSOHww.WinkManel.Wolkfollatu VFLHQFH AFWLRQ LQVSLUHG curvaceous, pristine white laboratory desks alone, is to sample the performance/aesthetic newness of the development.

Communication Design and Construct success, as demonstrated by their unbotoVoltaics, NABERS energy metering contractor, were engaged for the new of 3D design tools to optimise designacross the power distribution network Melbourne Grammar School Science multidisciplinary coordination, buildability D Q G K L J K V S H H G À E U and Technology Centre, and at a casual and fast track installation. pathways for integration with the school' glance, their project presents as no HILVWLQJ QHWZRUNV small feat. 5 H V S R Q V L E O H I R To offeath Han Fover Piew Ooff the project itself, sophisticated and highly detailed electricable Science and Technology Centre is Adopting an ethical approach to successful works to the architecturally designed. VLQJXODU FRPSOH [ZLWKmanna that the solid light of the content of the co 'Geoff Handbury Science and Technologaccommodate learning in science, technologQRW RQO\LQ WKLV H[FLV Hub', Menco Electrical planned and engineering and IT, the laboratories and ut also in Menco's other latest work: delivered, with timely completion instudy spaces are collaborative and interactive uding the redevelopment of the T&G December 2017. Each level offers both upper and lowebuilding at 161 Collins Street, the new 20-lev views, presenting an overall impression of ommercial building at 271 Spring Stree With a project agenda inclusive of major QYDOXDEOH H[SRVXUH DWQKGHVKIBICHKSHFOORDPUHLQWW RI electrical infrastructure and distribution. Engineering Headquarters and Buchar HQHUJ\ HIÀFLHQW ORQJWittO La lifebcus/ofn tealdhinhotk Mabbrattdries and irchitects new Melbourne Studios. In a KNX lighting control comprising open learning spaces, the electrical demands were agements, it is clear Menco Electric protocol bus technology, integrated voichigh, with requirements for a superior system ve the contemporary classiness to meet and data structured communications that promised long-lasting effectivenes slemands of innovation and design clevernes V \ V W H P V : \$ 1 À E U H R S W LA Enie Qinto Qan Novert le Do Qia Gace Fluettweet n. Fradu Cal infrastructure to support multi-vendor DQG DUWLÄFLDO OLJKW ZWebXc6EE0ct/videllkslæco/wydanQawVodoediRstxXc6E audio-visual systems, Menco Electrical Meork stations demanding scrutinous visual Q UHOLDELOLW\ HIÀFLH FRQWULEXWLRQZDV H[Wultcidity.Me/nldo Electrical's sensitive approachapacity. Promising to see a project throu WR WKHLU LQWHULRU HOOMHE WHOU LAND DOWN TO CONTROL OF BOUND WIFE 'HÀQHG DV DQ HOHFWU blooth Din Oples Et than is uppet in this in the individual tuning, service and maintenance to ensure covers the engineering, installation and optimum performance. Menco have taken t maintenance aspects of a project, their workside from its outstanding aesthetic charmworry out of the nitty gritty challenges of hig on the demolition of the old Science building the development's capacity to perform has developments. Their elegant contribution to make way for this new and innovative hubD FRPSOH[LW\ XQGHUV WtoDtMeHMelboErhe GMeMmarXSSHoldoNRSQieNI meant Menco Electrical's reputation for zerqualities. With sleek views of the college Technology Centre is nothing short harm and maintaining high levels of healthurounds across four levels, the project award-worthy, leaving no question safety and environmental performance, was resents a delicate combination of naturals to why they are often the preferre WHVW WKDW VWUHQJWKHDQQG DVUKWLD FS.DPDAOLHJKW Electrical and Communications Design an

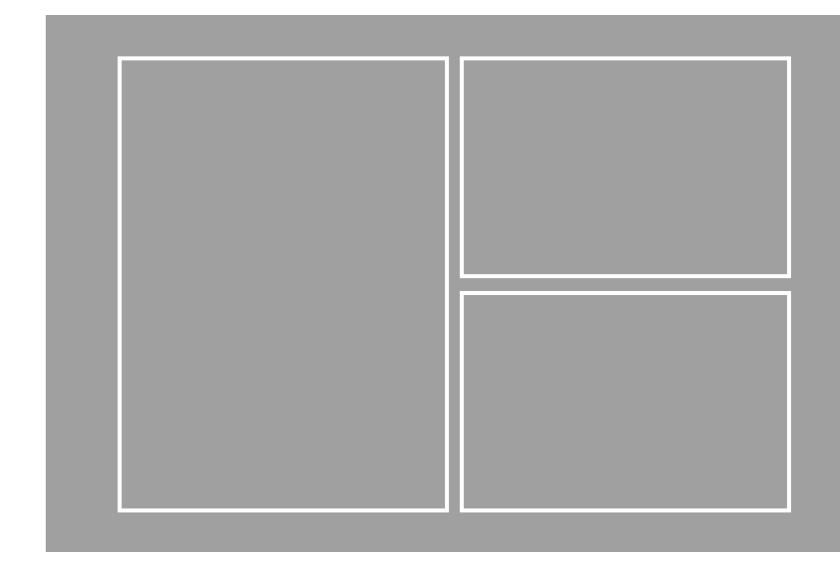
mission statement reads as the perfectareful planning and implementation of Formore information contact Menco Electric solution to such a cutting-edge architecturate intelligent lighting controls, including Data, 58 Wirraway Drive. Port Melbourne development. Claiming, "from concept to WKH SRVLWLRQ RI H[WHVIIC B2007, 10th on the concept to WKH SRVLWLRQ RI H[WHVIIC B207, 10th on the concept to WKH SRVLWLRQ RI H[WHVIIC B2 connection - our people make it happen showcase the building after hours. Furth €Managing Director), email t.lukic@menc Menco Electrical have a straightforward/enco Electrical credits to the projectom.au, website www.menco.com.au

Construct contractor.

Menco Electrical, a Tier 1 Electrical and REMHFWLYH DQG WKH Kundlukde WoulstdmKmalmi [etBebtritubah/stuwit/dHboalare

86 VIC PROJECT FEATURE MELBOURNE GRAMMAR SCHOOL SCIENCE & TECHNOLOGY CENTRE

A company operating out of Victoria, theirFor Menco Electrical this necessitated



Dandy Steel Fabrications provided the structural steel and façade steelwork for the Melbourne Grammar School Science and Technology project, including four levels of staircases and the wrap-around façade frames.

Although Dandy Steel Fabrications comes from a largely industrial EDFNJURXQG SUHYLRXV VFKRRO EDVHG MREV DW &DXOÀHOG *UDPPDU 6FKRRO and Sacred Heart in St Albans have allowed Dandy Steel Fabrications to establish themselves as equally capable of working to aesthetic VSHFLÀFDWLRQV LQFOXGLQJ 0HOERXUQH *UDPPDU·V FXUYHG EXLOGLQJ design. "Each of the curves are at different radiuses, and there are DSSUR[LPDWHO\ WR GLIIHUHQW UDGLXVHV \mu VDLG &KL &KLK *HQHUDO Manager of Dandy Steel Fabrications.

'7KH VWHHO WDNHV PRUH SURFHVVLQJ WLPH DV ZHOO DV H[SHULHQFHG boilermakers to ensure the steel is accurately fabricated. The material used is quite light so the material is prone to deforming under heat. Further, we are working with a curved slab, so the tolerances are very small."

For more information contact Dandy Steel Fabrications, Dandy Steel Fabrications are also working on a curved audito 5426 Carter Way, Dandenong VIC 3175, phone 03 9799 6180, structure in Mount Waverley for SJ Higgins Pty Ltd (pictured abovem)ail chi@dandysteel.com.au

Australia's largest risk management and compliance company, Kane Constructions to manage the contamination," Darren said. Greencap, was engaged by Melbourne Grammar School to "Kane Constructions were a pleasure to work with and I particularly complete a soil contamination assessment and hygiene servicesenjoyed watching the works involving the preservation of a historic during the contaminated soil removal for its latest project.

\$V D UHVXOW VLJQLÀFDQW VDYLQJVGRZehholdeholis Prightly Hegarited Confrazsis Conducted by the company, according to Regional Practice Managard FRPSOLDQFH E\SURYLGLQJLQWHJU—Environmental (VIC/TAS), Darren Cordy. "Greencap was initially line solutions.

engaged directly by Melbourne Grammar School to undertake a third

SDUW\ GDWD UHYLHZ FROOHFW VXSSTOKHIP IF Q TVSDDJQ\ VFRLLVOV LFROQD LV W LVÀ IR DEVHI LQR-ICÀ VG DV V the site and provide a soil management strategy for proposed rbalkagement of people, property and the environment and our vision H [FDYDWLRQ ZRUNV µ is to be 'best in class', delivering value through practical solutions," 'DUUHQ H [SODLQHG

"Based on the outcome of the data review and using statistical analysis, Greencap was able to realise a saving of around \$250,7000 company dates back to 1984 when Noel Arnolds and Associates soil disposal costs." commenced business. It then became part of Greencap which was acquired by Wesfarmers Industrial and Safety in 2013.

Five of Greencap's 300 employees worked on the project DORQJVLGH D WHDP IURP .DQH &RQVWUXFWLRQV 'XULQJ WKH H[FDYDWLRQ SURFHVV VHYHUDO DUHDV RI XQH[SFbhrFnWorld @nfoFmRxt@nW @nfdcQ @rw/enlcRpQPtyZ Ltdl, HLevler X1,Q6377 "They required quick sample analysis to ascertain the offsite disphitigal Street, Kew East VIC 3102, phone 03 9896 8600, website requirements and effective communication in partnership widthww.greencap.com.au