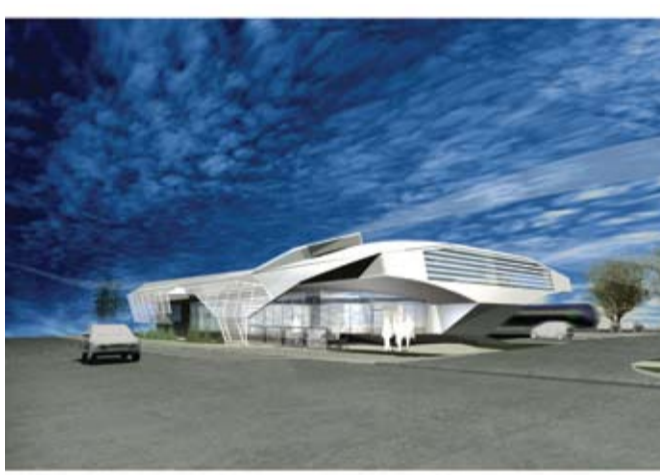


Built Pedagogy

Education design is a specialised field with different characteristics and benchmarks from other building types

Paul Morgan Architects specializes in the design of university and TAFE buildings. A feature of the buildings is the idea of permeability: the activities of students and staff are revealed to passers-by. This animates the internal spaces and advertises the functions that occur within. It is about the 'theatre' of architecture, and can be seen in the Box Hill Institute Trade Facility and CGIT Learning Centre on this page. Advanced structural and servicing techniques are demonstrated in the proposed 6 Star Green Star Vicurban Chisholm project.



Above top to bottom: VicUrban Chisholm, Completion TBC; CGIT Learning Centre, Leongatha, 2009; RMIT University, Hamilton, 2001
Above right top to bottom: Trades facility, Box Hill Institute of TAFE, 2006; CGIT Learning Centre, Warragul, 2007; Chisholm Institute Automotive and Logistics Centre, 2008
Far right: NMIT, Stage 1 Development, Epping, 2009
Right: Lecture Theatre, Victoria University of Technology, Werribee, 1997

PMA Education Clients

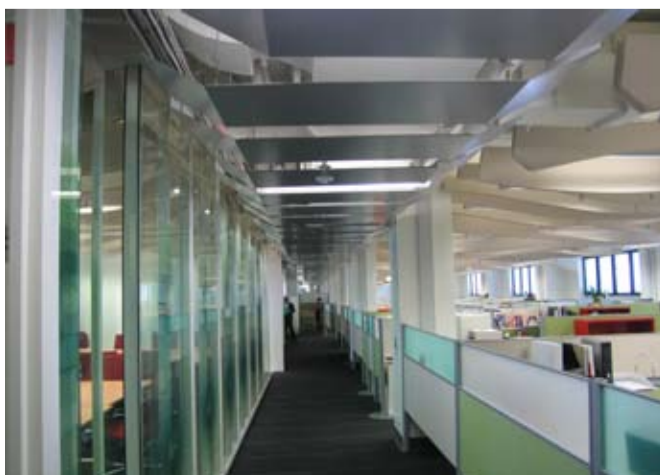
- Box Hill Institute
- Central Gippsland Institute of TAFE
- Chisholm Institute of TAFE
- Danang University
- Department of Education & Training
- Hue University
- Monash University
- Newman College
- Northern Melbourne Institute of TAFE
- RMIT TAFE
- RMIT University
- RMIT International University Vietnam
- Victoria University of Technology



Expression of Interest

Approximately 50 Education Projects since 1997

- Feasibility, Central Gippsland Institute of TAFE, Traralgon, 2009
- NMIT Stage 1 Development, Epping, 2008
- Chisholm Institute Automotive and Logistics Centre, 2008
- Refurbishment, RMIT University, Building 56, Level 4, 2008
- Refurbishment, RMIT University, Building 14, Level 8, 2008
- Newman College Junior Common Room, 2007
- Concept design proposal, Central Gippsland Institute of TAFE Warragul Campus, 2007
- Office accommodation, RMIT University, Design & Social Context Portfolio, 2007
- Refurbishment, RMIT University, Building 14, Level 11, 2007
- Refurbishment, RMIT University, Building 12, Level 12, 2007
- Office accommodation, RMIT University, School of Computer Science & IT, Intelligent Systems, 2007
- Computer laboratories, RMIT University, Building 56, Level 4, 2007
- Automotive School expansion & relocation, Box Hill Institute of TAFE, 2007
- Feasibility, Central Gippsland Institute of TAFE, Warragul, 2007
- TAFE building concept proposal, Central Gippsland Institute of TAFE, Warragul, 2007
- Learning Centre, Central Gippsland Institute of TAFE, Leongatha, 2007
- Feasibility, Central Gippsland Institute of TAFE, Leongatha, 2006
- Office accommodation, RMIT University, Science, Engineering and Technology Portfolio, 2007
- Menzies foyer, Monash University, Caulfield, 2006
- 2 foyers, Monash University, Caulfield, 2006
- Trades facility, Box Hill Institute of TAFE, 2006
- Precinct plan, Box Hill Institute of TAFE, 2005
- Minor works project, Box Hill Institute of TAFE, 2005
- Games Design project, RMIT University, 2005
- Games Studios, RMIT University, 2005
- Heritage refurbishment, Newman College H and Kenny Wings, University of Melbourne, 2004
- Sound Studios, RMIT University, Spatial Information Architecture Laboratory, 2004
- Computer studio, RMIT University, Building 8, Level 7, 2004
- Feasibility Study, Central Gippsland Institute of TAFE Leongatha campus, 2003
- Strategic Master Plan, Central Gippsland Institute of TAFE, 2003
- Feasibility, RMIT University, School of Creative Media, 2003
- Apartment refurbishment, Newman College, University of Melbourne, 2003
- Sonological Lab feasibility, RMIT University, 2002
- Learning resource centre, University of Hue, Vietnam, 2002
- Feasibility, University of Danang, Vietnam, 2002
- Scoping study, RMIT University, School of Computer Science, 2001
- Office accommodation, RMIT University, School of Computer Science, Stage 2, 2001
- Flexible Learning Centre, RMIT University, Vietnam, Ho Chi Minh City, 2001
- Feasibility, RMIT University, School of Computer Science, 2001
- Flexible Learning Centre, RMIT University, Hamilton, 2001
- Master Plan, RMIT University, Carlton, 2000
- Refurbishment, RMIT University, Vice Chancellory, 2000
- Flexible Learning Centre, RMIT University, Brunswick, 2000
- 24/7 computer laboratory, RMIT University, 2000
- Refurbishment, RMIT University, Department of Physics, 2000
- Flexible Learning Centre, RMIT University, Swanston Library, 1999
- Parenting room, Monash University, Caulfield, 1999
- Faculty of IT, Monash University, Caulfield, 1998
- Stair towers, Monash University, Caulfield, Building A, 1998
- Boiler house, Monash University, Caulfield, Building E, 1998
- Lecture Theatre, Victoria University of Technology, Werribee, 1997



The Academic Environment

More than twelve years experience in education design

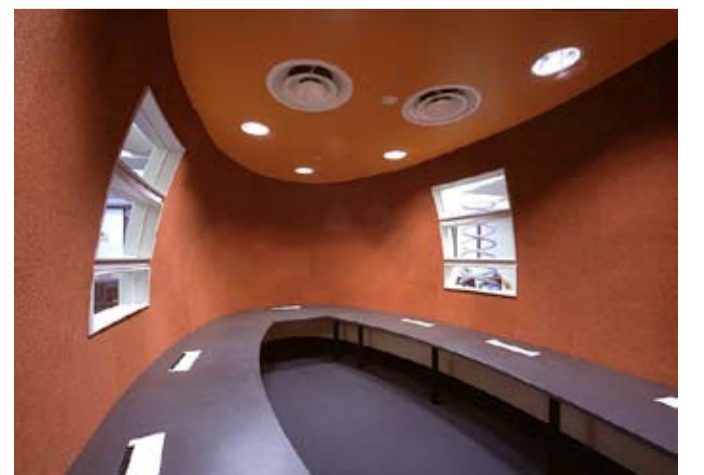
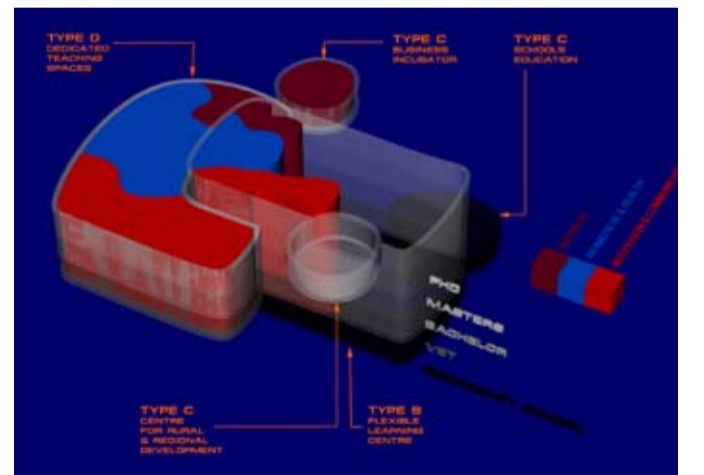
Education design is a specialised field

Education projects have different characteristics and benchmarks from other building types. PMA's Flexible Learning Centres, libraries, resource centres, lecture theatres, undergraduate and postgraduate student areas, customer service centres, computer laboratories, science laboratories, trade workshops and specialised teaching facilities are the result of years of refinement and respond to new and evolving requirements in education curricula whilst maximising utilisation rates. PMA has the experience and capacity to analyse, propose and deliver solutions for the complex range of objectives in an education client's brief.

The competitive advantage

Innovative architecture attracts prospective students within a highly competitive education market. Spaces that are well planned, facilitate group work, exhibit quality design, integrate contemporary technology and are filled with natural light and ventilation are one of the factors that lead prospective students to choose one education provider over another.

Left top to bottom: RMIT Vice Chancellory Lounge, 2000; RMIT University, Refurbishment, Building 14 Level 8; RMIT University, School of Computer Science & IT, 2007; RMIT University SET Office Accommodation foyers, 2006; RMIT University SET Office Accommodation offices, 2006
Below top to bottom: RMIT University, Hamilton, Flexible learning centre diagram; RMIT University, School of Computer Science & IT, Oasis Space, 2007



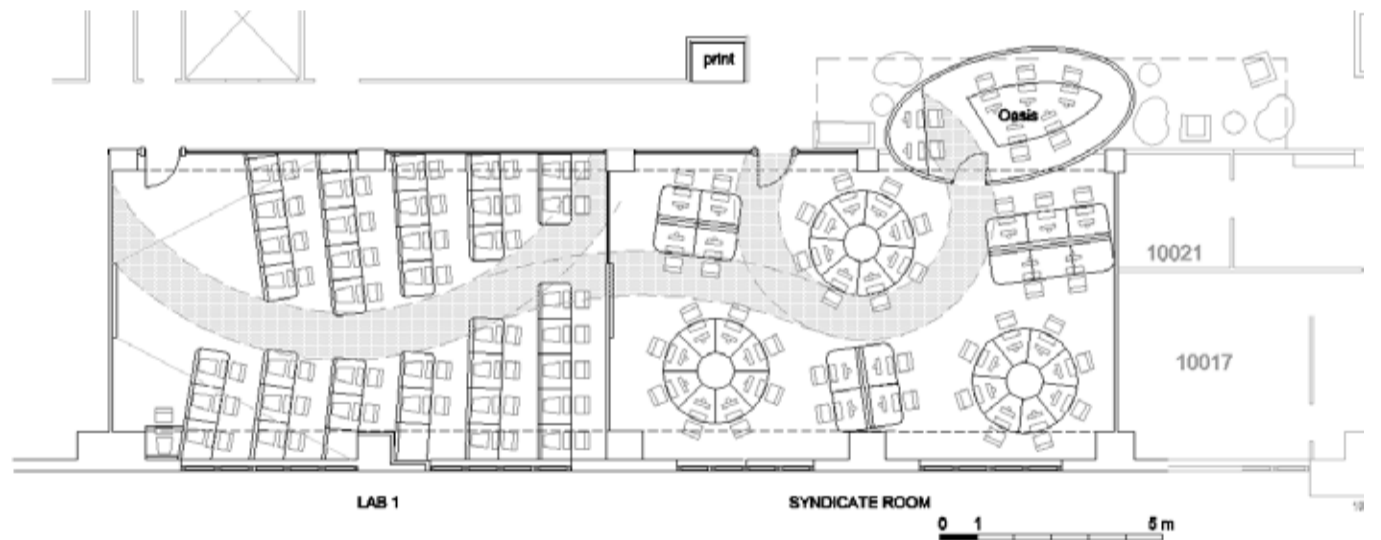
The Design Studio

Flexible Learning

PMA has been at the forefront of Flexible Learning in tertiary design in Australia and Paul Morgan has published influential articles on the subject. Flexible learning design offers an alternative to orthodox 'chalk and talk' teaching and proposes configurations for different models of teaching and learning: tutor/ demonstrator; self-learning; syndicate learning and lecture types.

The Flexible Learning Centre is a university-based design outcome of the "flexible learning" educational principle that transforms the very nature of teaching and learning in a tertiary institution. The learning environment requires a spatial solution that provides real flexibility and that can respond to new and evolving requirements in education and curriculum. At the same time, the principles of flexible learning encourage co-located and shared facilities, maximising students' usage which represents a better return on the University's expenditure.

PMA proposes for new faculty building: the use of natural light; organic planning; syndicate and oasis rooms. The design of studio spaces should be flexible, rather than applying an overly strong design expression on the internal spaces.



Above: Floor Plan, School of Computer Science & IT Learning Centre, 2001

Left top to bottom: RMIT University Refurbishment, Building 51, 2000; RMIT University, Refurbishment, Building 14 Level 8, 2008; RMIT University, Refurbishment, Building 56, Level 4, 2008; Monash University, Menzies Computer Science Reception, 1998; RMIT University ITAP, Computer kiosk, 1999; RMIT University, Games Studios, 2005; RMIT University, Games Studios (Detail), 2005

Below: RMIT University, Computer Laboratory, Building 8, Level 7
Below right top to bottom: RMIT University Building 8, Level 7 Workstation design; RMIT University, Sound Studios, Spatial Information Architecture Laboratory, 2004



The Living Building

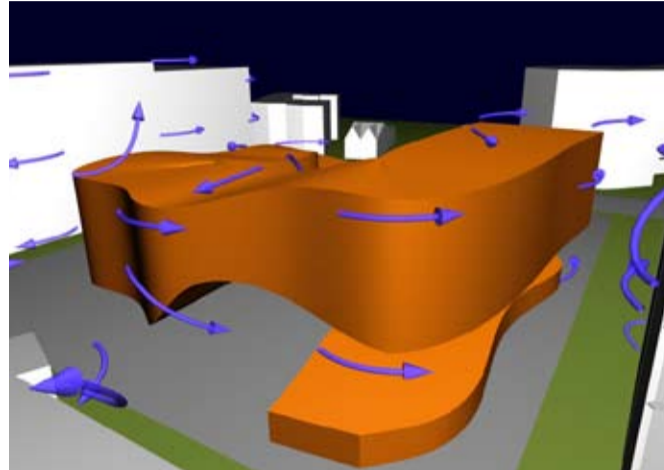
Paul Morgan Architects demystifies the sustainable design process, and integrates it into the architectural design process

Environmentally Sustainable Education Design

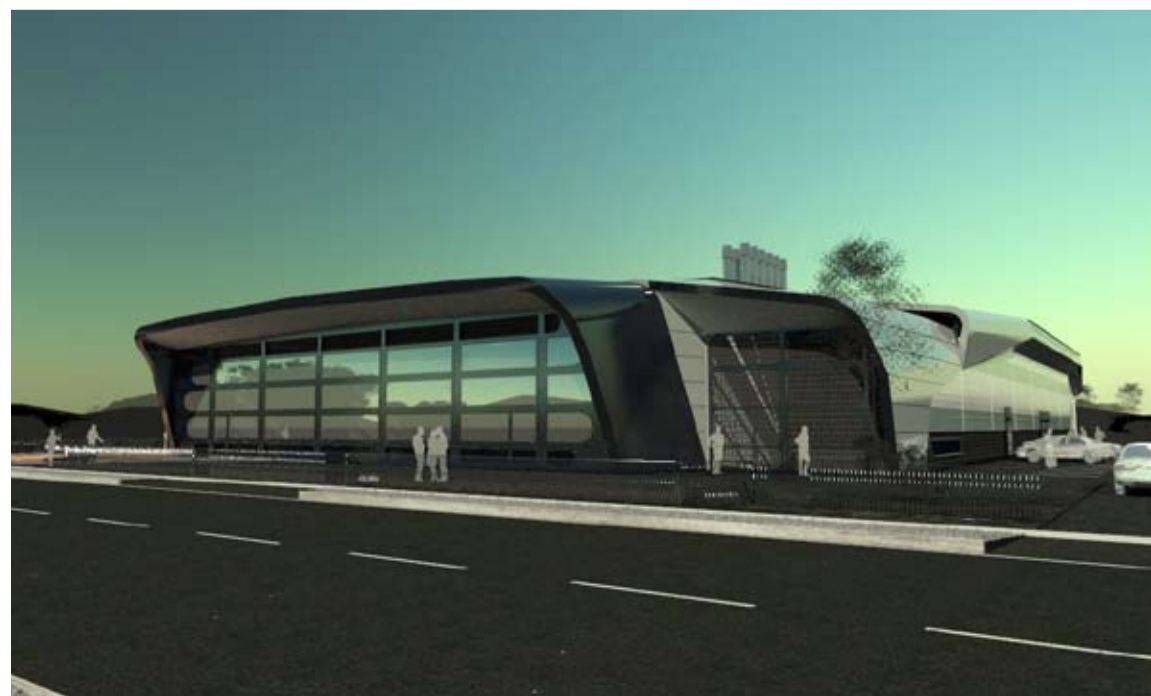
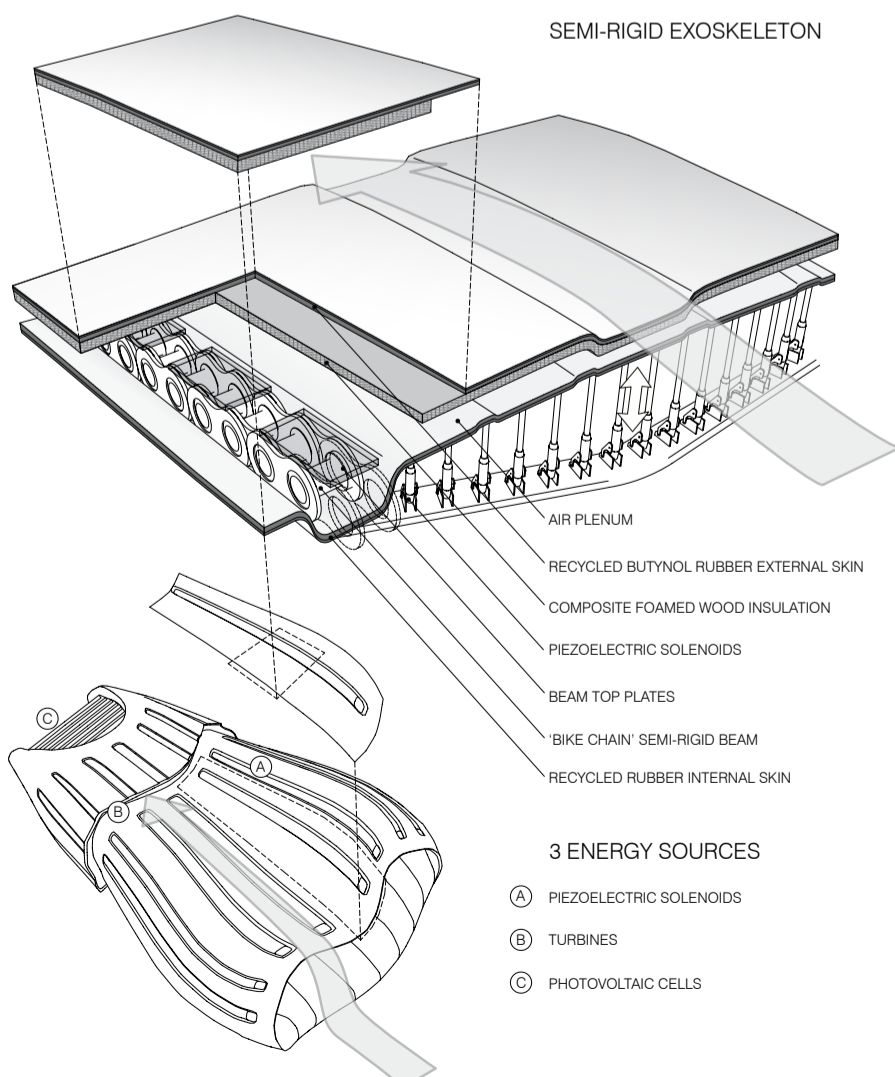
Our ESD strategies and philosophy extend into the fabric of the project by considering the embodied energy of materials, options for recycled and recyclable materials, maintenance and life cycle costing. Our standard specification promotes the use of green and local products from companies that are GECA (Good Environmental Choice Australia) or ISO 14001 accredited.

Paul Morgan Architects has extensive experience in the sustainable design of educational buildings. The practice adheres to the objective of Environmentally Sustainable Design with all of our educational projects and promotes this attitude with our clients. Paul Morgan and Michael Bouteloup have both coordinated ESD studios at RMIT University School of Architecture. Collaborating with environmental engineers, PMA has the skills to carry out environmental analysis and an innovative and lateral design approach enabling us to devise and apply project-specific ESD measures. PMA takes an active and empirical approach to all ESD issues, utilising high value thermal building envelopes, strategic building orientation, water saving and collecting, sun shading, ventilation and wind management, landscape and ecology management. We develop appropriate responses from analysis of the specific climate on each site. We address strategic internal planning (using zoning), to allow the prevailing environmental conditions and programmatic functions to complement one another.

Images on this page include projects which aim for a Green Building Council of Australia (GBCA) Green Star rating, including Vicurban Chisholm (6 Star), CGIT Leongatha (5 Star) and Chisholm Institute Automotive and Logistics Centre (equivalent of 4.5 Stars).



Left top to bottom: Section VicUrban Chisholm, Completion TBC; VicUrban Chisholm Completion TBC
Above top to bottom: ESD Competition Entry, 2001; CGIT Learning Centre, Leongatha, 2009
Below left: blowhouse: life support unit ESD diagram, commissioned as part of the Mornington Peninsula Regional Gallery exhibition "Platforms for living", 2008
Below: Chisholm Institute Automotive and Logistics Centre, 2008



Expression of Interest

Trades Facility Box Hill TAFE

Location: Box Hill
Completion: 2010
Square metres: 600
Value: \$5.5



Chisholm Institute of TAFE Automotive and Logistics Centre

Location: Dandenong
Completion: 2010
Square metres: 5000
Value: \$15m



Northern Melbourne Institute of TAFE, Stage 1 Development

Location: Epping
Completion: 2010
Square metres: 2000
Value: \$8.1



VicUrban Chisholm Institute of TAFE

Location: Dandenong
Completion: TBC
Square metres: 6000
Value: \$26m



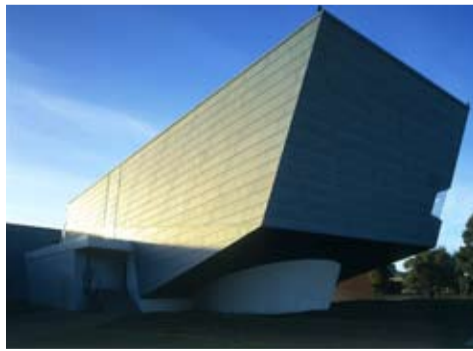
Central Gippsland Institute of TAFE, Learning Centre

Location: Leongatha
Completion: 2009
Square metres: 1630
Value: \$6m



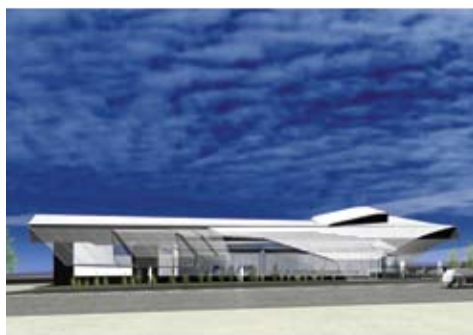
Victoria University Lecture Theatre

Location: Werribee
Completed: 1999
Square metres: 500
Value: \$1.8m



Central Gippsland Institute of TAFE, Learning Centre

Location: Leongatha
Completion: 2010
Square metres: 1500
Value: \$5.5



Capability and Process

Paul Morgan Director

BArch (Distinction) RMIT, M. Des. (Urban Design) RMIT, RAIA Architect

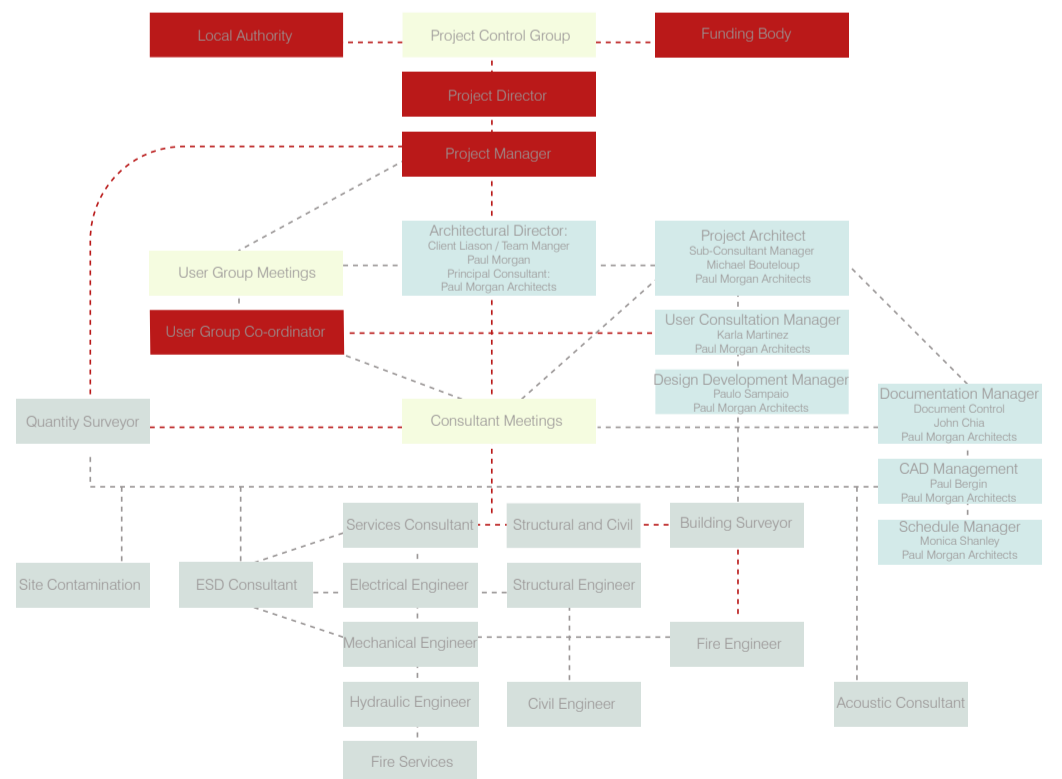
Paul Morgan has been practising architecture for over 20 years, and has worked in private practice since 1997 on projects in the educational, commercial, residential and government sectors. He completed a Master of Design in Urban Design at RMIT University and coordinated the University's Master of Architecture Program. He has taught in design extensively, and this experience in education has provided him with insights into the requirements of educational spaces. As a result, Paul Morgan has produced informed and diverse teaching and learning environments aimed at encouraging flexible use.

Michael Bouteloup Senior Associate
BArch, Curtin University, RAIA Architect

Michael has over 10 years' experience covering a wide range of project types, recently in Educational Secondary and University Projects. Michael has been responsible for architectural project delivery from Masterplan, through briefing and sketch design to construction and completion. He is completing a Master of Architecture by Project at RMIT University specialising in design and investigating growth patterns in campus-type accretive architectures.

The critical issues facing educational Facilities Managers

Paul Morgan Architects specialises in University and TAFE projects, having completed approximately fifty projects over the last twelve years. PMA's commitment to Facilities Management of education projects extends to our Business Partnership with TEFMA. PMA projects have been used extensively on the TEFMA website to promote their aims of improving and promoting the quality of leadership and professionalism through education, collaboration and sharing of information. A typical Project Management Plan is shown below.



Above: Diagram of Paul Morgan Architects team and work structure

References

- Helen Arbuthnot, Facilities Manager Central Gippsland Institute of TAFE, Telephone: 03 5120 4504
- Dermott O'Sullivan, Facilities Manager, Museum Victoria, Telephone: 03 8341 7266
- Subhan Ali, Facilities Manager, Chisholm Institute of TAFE, Telephone: 03 9212 5363
- Michael King, Development Manager, VicUrban, Telephone: 0419 585 858

Merit



Selected Awards

- Winner, Built Form and Design category, Victorian Coastal Awards for Excellence, Building and Design category, 2008, Cape Schanck House
- Winner, National RIAA Robin Boyd Award for Residential Architecture, 2007, Cape Schanck House
- Houses Award, RIAA Award 2007, Victorian Chapter for Cape Schanck House
- Overall Winner, IDEA 07 Awards, Cape Schanck House
- 1st Commendation, Best Residential Building, Cape Schanck House, Architectural Excellence in the South East Awards, 2007
- Shortlisted, RIAA Award, 2007, Victorian Chapter, Small Project Category for Box Hill TAFE Trades Facility
- Nominated, Zumtobel Group Award, 2007
The Cape Schanck House was one of only twenty projects nominated globally for the biennial award which honours outstanding sustainable contributions to architecture and humanity.
- Shortlisted, RIAA Award, 2006, Victorian Chapter, Heritage Category for Newman College Refurbishment
- Shortlisted, RIAA Award, 2005, Victorian Chapter, Institutional (Alterations and Extensions) category for RMIT University SIAL Sound Studios
- Shortlisted, RIAA Award, 2003, Victorian Chapter, Institutional (Alterations and Extensions) category for RMIT School of Computer Science & IT
- Commendation, RIAA Award, 2001, Victorian Chapter, Institutional category for Lecture Theatre, VUT, Werribee
- Shortlisted, RIAA Award, 2000, Victorian Chapter, Interior Architecture category for Faculty of Information Technology Interior, Monash University

Selected and Upcoming Publications

- Mark and Jane Burry (Eds.) The Mathematics of Architecture, Thames and Hudson, London 2010
- Domus, Milan, 2009
- Phaidon Atlas of 21st Century Architecture, London, 2008
- Lukas Feireiss (Ed.), Strike a pose. Eccentric Architecture and Spectacular Spaces, Die Gestalten Verlag, Berlin, 2008
- Mark #15, Amsterdam, June 2008
- Lukas Feireiss (Ed.), Architecture of Change: Sustainability and Humanity in the Built Environment, Die Gestalten Verlag, Berlin, 2008
- 100 Dream Houses from Down Under, Images Publishing, Melbourne, 2008
- The Sustainable Home, Merrill Publishing, London, 2008
- Wood, Taschen, Berlin/Barcelona, 2008
- Architecture Australia, Volume 96, Number 6, November/December, 2007
- The Australian Financial Review, November 2007
- Sydney Morning Herald, November 1, 2007
- The Age, October 26, 2007
- Metropolis, New York, February 2007
- Casamica, Italy, June 2007
- Mark #8, Amsterdam, June 2007
- I'm Home, Tokyo, September, 2007
- M Magazine (The Sunday Age), July 8, 2007
- Sydney Morning Herald, July 5, 2007
- Monument, Number 79, 2007
- Australian Financial Review, July, 2007
- Next Wave, Thames + Hudson, September, 2007
- Interior Design + Construction, Nanjing, China, January 2007
- Architectural Review, Australia, (cover), January 2007
- Houses, January 2007
- Design City Melbourne, 2006
- The Melbourne Design Guide, 2006
- Architecture Australia, July/ August 2006
- Monument, 2006
- Artichoke, 2006
- 1000 Architects, International pictorial directory of leading architectural firms, 2005 & 2003
- Architectural Review, Australia, 2005
- Architecture Australia, March/April, 2005

Innovative architecture attracts prospective students in a highly competitive education market

Paul Morgan Architects

Paul Morgan Architects has emerged as one of Australia's most innovative architectural practices. The practice specialises in educational design for universities and technical colleges and has also completed residential and urban design, master planning, commercial, government and library projects in Melbourne, regional Victoria and Asia.

PMA's design-led team takes a strategic and expressive approach, creating innovative projects for ambitious clients. Working with the client from inception to completion, Paul's personal involvement in each project ensures results that meet the client's vision, whilst amplifying the brief's spatial and expressive potential.

Our design processes result in space types such as ecology performance envelopes, spatial-acoustic environments and blended learning spaces that both embrace and inspire end users. PMA offers the skills to synthesise architectural design with environmental and sustainable design and through consultation with environmental engineers. These principles are integrated from the project beginning to end.

PMA has been published extensively in Australia and abroad. In 2007 The Cape Schanck House was one of twenty projects nominated globally for the biennial Zumtobel Award, for outstanding sustainable contributions to architecture and humanity and was also the recipient of the RIAA Robin Boyd Award for Residential Architecture, Australia's highest residential design accolade. The practice has exhibited widely and was recently included in the Australian Pavilion at the prestigious 2008 Venice Biennale of Architecture.

WORK
DARN
Paul Morgan Architects
dramatic new trade facility
for Box Hill TAFE apprentices.

REVIEW: PETER BICKLE /
PHOTOGRAPHY: PETER BENNETTS