

# PROFILE

Registered name	STUDIO LAPIS CONSERVATION PTE LTD
UEN	201415047E
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#### **PARTNERS & DIRECTORS**

#### **HO Weng Hin**

#### Architectural Restoration Specialist Consultant Adjunct Senior Lecturer, NUS Dept of Architecture

Founding Director, International Council on Monuments & Sites Singapore (ICOMOS Singapore) Affiliate, Asian Academy for Heritage Management (UNESCO-ICCROM) Specialista in Restauro dei Monumenti (cum laude) [University of Genoa, Italy] Master of Architecture; Bachelor of Arts (Architectural Studies) [NUS]

#### **TAN Kar Lin**

#### **Architectural Heritage Research Consultant**

Founding Director, International Council on Monuments & Sites Singapore (ICOMOS Singapore) Master of Arts (Architecture) degree by research [NUS] Master of Architecture; Bachelor of Arts (Architectural Studies) [NUS]

#### **OVERVIEW**

**STUDIO LAPIS** is an architectural restoration and research consultancy based in Singapore. The founding partners Ho Weng Hin and Tan Kar Lin are trained in architecture at NUS. Weng Hin read his post-graduate conservation specialisation course at the *Universita' degli Studi di Genova*, Genoa, Italy, while Kar Lin completed a Masters of Arts (Architecture) degree by research.

**SERVICES** Studio Lapis undertakes full-scope architectural conservation consultancy as well as preconservation survey, tender consultancy, material-specific restoration, and laboratory test report evaluation. We specialise in historic architectural materials and construction systems, ensuring the appropriate and effective use of restoration techniques and conservation methods on fragile building fabric.

**APPROACH** Our conservation approach emphasizes thorough research and investigation on the historic building, including its constructional, historical, artistic, cultural, technological and material attributes. This establishes a solid knowledge base that informs decision-making and cost analysis in the complex process of architectural conservation. It enables consultants to make the best use of design opportunities in the historic edifice that may not be immediately apparent. We work closely with the client, architect, contractor and other consultants to conserve the materiality and character of historic architecture, ensuring the continuity of these unique qualities in the building's new lease of life.

**RESEARCH** The partners of Studio Lapis each has more than a decade of specialised research experience in architectural history, bringing to conservation projects their skills in archival research, investigation, and analysis. As part of the firm's ongoing research and development, the partners are working on a publication project on the early Modern Architecture of Singapore from the 1920s-1970s, covering extensive groundwork on colonial to independence period Modernist structures including Kallang Airport, Tanjong Pagar Railway Station, former Supreme Court, Singapore Conference Hall and so on.



# HO WENG HIN

Architectural Restoration Specialist Consultant Director, STUDIO LAPIS Adjunct Senior Lecturer, NUS Dept of Architecture

Specialista in Restauro dei Monumenti (cum laude) [University of Genoa, Italy, 2008] Master of Architecture [NUS, 2001]; Bachelor of Architectural Studies [NUS, 1998]

Nationality Email Singapore Citizen howh@studiolapis.sg

### Expertise

- Architectural restoration techniques
- Deterioration diagnostics of historic building materials
- Field survey and documentation of heritage sites
- Historic construction technology
- Conservation project planning & management
- Adaptive reuse architectural design

### Professional Membership & Public Service

- Founding Director, ICOMOS Singapore; Member, AAHM
- Member, URA Architectural Heritage Awards Jury Panel (2009-2012)
- Member, URA Conservation Guidelines Review Panel (2010-15 cycle)
- Member, MND Rail Corridor Partnership (2011- present)
- Member, Singapore Heritage Society (Exco Member 2004 2005)

### Grants & Awards

2011	Mubin Sheppard Memorial Prize, Cycle 9 for "Conservation Area Study" category, awarded
	by Badan Warisan Malaysia (with NUS Dept of Architecture)
2011	Urban Redevelopment Authority of Singapore sponsorship for KTM Built Heritage
	Conservation Survey undertaken by Singapore Heritage Society (With Tan Kar Lin and Lim
	Chen Sian, for SHS)
2005, 2007	Italian Government Scholarship for postgraduate specialization course in architectural
	restoration at the Universita' degli Studi di Genova, Italy
2004	Urban Redevelopment Authority of Singapore Architecture and Urban Design
	Excellence Grant for book project Our Modern Past: Modern Architecture in Singapore 1920s –
	70s, to be published by Singapore Heritage Society (With Dinesh Naidu and Tan Kar Lin, for
	SHS)
2004	Singapore International Foundation & Lee Foundation Grant for conference presentation
	at VIIIth DOCOMOMO International Conference, 26th Sep – 2 Oct 2004; Columbia University,
	New York City (with Dinesh Naidu and Tan Kar Lin).
2002	National Heritage Board (Singapore) Research and Curatorial Grant for improving the
	National Archives Building Plans Collection (With Tan Kar Lin)
1996	Dean's List Award for outstanding academic performance, Faculty of Architecture, Building
	and Real Estate, National University of Singapore

# Professional Experience

2013 – present	Adjunct Senior Lecturer, Dept. of Architecture, National University of Singapore
2010 - 2012	Adjunct Lecturer, Dept. of Architecture, National University of Singapore
2009 - present	Partner & Director, Studio Lapis
2008 - 2009	Architectural Restoration Specialist Consultant
2004 - 2007	Editor, Singapore Architect Journal, Singapore Institute of Architects
2002 - 2003	Research Assistant, Department of Architecture, National University of Singapore
2000 - 2002	Editor, Singapore Architect Journal, Singapore Institute of Architects
2000 - 2001	Junior Research Assistant, Department of Architecture, National University of Singapore
1998 - 1999	Architectural Assistant, William Lim Associates Pte, Singapore.

# Selected Projects

2015 - Ongoing	Architectural conservation specialist consultancy for Church of the Nativity of
	the Blessed Virgin Mary, for Church of the Nativity of the Blessed Virgin Mary.
2015	Architectural conservation specialist for Singapore Rail Corridor RFP, for Urban
	Redevelopment Authority Singapore
	Finalist Team: MVRDV – Grant Associates – Architects 61
2014 - Ongoing	Architectural conservation specialist consultancy and impact studies on historic
	buildings affected by infrastructural development, for the Government of
	Singapore
2014 - Ongoing	Conservation maintenance and phased restoration of St George's Church, for St
	George's Church Council.
2014	Feasibility Studies (Conservation section) for former Catholic High School at
	Queen Street (8Q), for National Heritage Board.
2013 - Ongoing	Architectural conservation specialist consultancy for Raffles Hotel, for Beach
	Road Hotel (1886) Ltd.
2013 - Ongoing	Architectural conservation specialist consultancy for former MGS Olson
	Building, Trinity Theological College Chapel, and Nan Hwa Girls' School,
	Singapore, for Hoi Hup Sunway Mount Sophia Pte. Ltd.
2013 - Ongoing	Architectural conservation specialist consultancy for former Myanmar Railways
	Building, Yangon, Myanmar, for Prime Estate Developments Ltd.
2012 - Ongoing	Architectural conservation specialist consultancy for Cathedral of the Good
	Shepherd, Singapore, for Cathedral of the Good Shepherd.
2011 - 2015	Architectural conservation specialist consultancy for Capitol Building, Theatre
	and Stamford House, Singapore (URA Land Sales redevelopment), for Architects
	61.
2009 - 2015	Architectural conservation of former military complex and NCO Club at Beach
	Road, Singapore (South Beach Development), for South Beach Consortium Pte Ltd.
2011-12	Built heritage documentation and evaluation of Singapore railway landscapes,
	<b>structures and artefacts</b> , for Singapore Heritage Society, submitted to MND and
	URA.
2009-11	Architectural restoration of St. Georges Church, George Town, Penang
	(Malaysia), for East Design Architects Sdn. Bhd.
2010, 2012	Restoration of lime plaster, mural relief and stuccowork, 157 Neil Rd, Singapore
	(NUS Baba House) for NUS Museum.
2008-09	Façade restoration (artificial stone) for the former Victoria School building
	(People's Association HQ Project) for Singapore Piling & Civil Engineering Pte Ltd.
2007-08	Documentation, Analysis and Conservation Guidelines for the Former Supreme
	Court Building Singapore (with School of Specialization in Restoration of
	Monuments, Genoa, submitted to MICA and PMB for use in National Art Gallery
	Project).
2005-07	Architectural Conservation Survey and Adaptive Re-use of the former Church of
	S. Bartolomeo dell'Olivella, Genoa, Italy (submitted to the Ligurian Bureau of the
	Italian Ministry of Cultural and Landscape Assets).



# TAN KAR LIN

Architectural Heritage Research Consultant Director, STUDIO LAPIS

Master of Arts (Architecture) [NUS, 2004] Master of Architecture [NUS, 2001] Bachelor of Architectural Studies [NUS, 1998]

Nationality Email Singapore Citizen mail@studiolapis.sg

### Expertise

- Archival research and analysis
- Colonial and modernist architectural heritage in Singapore
- Place history and urban culture
- Built heritage documentation and evaluation
- Adaptive reuse architectural design

### Professional Membership & Civil Society Involvement

- Founding Director, ICOMOS Singapore
- Member, Singapore Heritage Society (Exco Member 2004 2005)

# Research Grants & Awards

2014	NHB Heritage Project Grant for book project Our Modern Past: Modern Architecture in
	Singapore 1920s – 70s
2004	URA Architecture and Urban Design Excellence Grant for book project Our Modern
	Past: Modern Architecture in Singapore 1920s – 70s
2002	National Heritage Board (Singapore) Research and Curatorial Grant for
	improvement of the National Archives Building Plans Collection.
2001-03	National University of Singapore Research Scholarship for MA(Arch) by Research
	degree at the Centre for Advanced Studies in Architecture, NUS.

#### **Professional Experience**

2009 - present	Partner & Director, Studio Lapis
2008-2009	Architectural Heritage Research Consultant
2004 - 2007	Editor & Chinese Editor, Singapore Architect Journal, Singapore Institute of Architects
2003	Teaching Assistant, Department of Architecture, National University of Singapore
2000 - 2002	Editor, Singapore Architect Journal, Singapore Institute of Architects
2000 - 2001	Junior Research Assistant, Department of Architecture, National University of Singapore
1998 - 1999	Architectural Assistant, Point Architects, Singapore.

# Selected Projects

2015 - Ongoing	Architectural conservation specialist consultancy for Church of the Nativity of
	the Blessed Virgin Mary, for Church of the Nativity of the Blessed Virgin Mary.
2015	Architectural conservation specialist for Singapore Rail Corridor RFP, for Urban
	Redevelopment Authority Singapore
	Finalist Team: Office of Metropolitan Architects – OLIN – DP Architects
2014 - Ongoing	Architectural conservation specialist consultancy and impact studies on historic
	buildings affected by infrastructural development, for the Government of
	Singapore
2014 - Ongoing	Conservation maintenance and phased restoration of St George's Church, for St
	George's Church Council
2014	Feasibility Studies (Conservation section) for former Catholic High School at
	Queen Street (8Q), for National Heritage Board.
2013 - Ongoing	Architectural conservation specialist consultancy for Raffles Hotel, for Beach
	Road Hotel (1886) Ltd.
2013 - Ongoing	Architectural conservation specialist consultancy for former MGS Olson
	Building, Trinity Theological College Chapel, and Nan Hwa Girls' School,
	Singapore, for Hoi Hup Sunway Mount Sophia Pte. Ltd.
2013 - Ongoing	Architectural conservation specialist consultancy for former Myanmar Railways
	Building, Yangon, Myanmar, for Prime Estate Developments Ltd.
2012 - Ongoing	Architectural conservation specialist consultancy for Cathedral of the Good
	Shepherd, Singapore, for Cathedral of the Good Shepherd.
2011 - 2015	Historiography documentation of the restoration of Victoria Theatre and
	Victoria Concert Hall, Singapore, for MICA/ NAC
2011 - 2015	Architectural conservation specialist consultancy for Capitol Building, Theatre
	and Stamford House, Singapore (URA Land Sales redevelopment), for Architects
	61.
2009 - 2015	Architectural conservation of former military complex and NCO Club at Beach
	Road, Singapore (South Beach Development), for South Beach Consortium Pte Ltd.
Ongoing	Author & Researcher (With Ho Weng Hin and Dinesh Naidu), Our Modern Past:
	Modern Architecture in Singapore 1920s – 70s, Singapore: Singapore Heritage
	Society, in 2 Vols.
2013	Author & Researcher, Architectural Monograph on Sonny Chan S Y.
2011-12	Built heritage documentation and evaluation of Singapore railway landscapes,
	structures and artefacts, for Singapore Heritage Society, submitted to MND and
	URA.
2009	Restoration cleaning of historic stelae at Hong San See Temple (National
	Monument) for Preservation of Monuments Board Singapore.
2005-07	Editor, Singapore Architect Journal #225 – 237, Singapore Institute of Architects.
2003-04	Building Plans Database for National Archives of Singapore, funded by National
	Heritage Board Research and Curatorial Grant (Awarded 2002).
2001-04	The 'Worlds' Entertainment Parks of Singapore (1920s-1980s): New Urban Form
	and Social Space for Culture and Consumption (Academic dissertation for
	MA(Arch) degree, NUS, Supervisor: Dr Wong Yunn Chii).

# **ARCHITECTURAL CONSERVATION PORTFOLIO**

	Year Site Building Type	2006 <b>Former Supreme Court (1939) &amp; former City Hall (1928)</b> Neo-classical institutional buildings (steel, RC and masonry structure)
	Project	Initial Conservation Assessment for the National Art Gallery Project (Singapore) in collaboration with NUS Department of Architecture
	Scope	State of conservation survey & report
icipal Building, Singapol	Client	MICA Art Gallery Project Unit (AGPU)

#### \* National Monuments

	Year Site	2006 – 2007 Former Church of S. Bartolomeo dell'Olivella, Genoa, Italy (14 <sup>th</sup> C)
	Building Type	Medieval religious building (masonry & timber structure)
	Project	Architectural Conservation Survey and Adaptive Re-use Proposal
	Scope	<ul> <li>Materials and deterioration assessment for natural stone, lime plaster, fresco painting, timber, iron, copper etc.</li> <li>Non-invasive site investigation incl. IR thermography,</li> </ul>
		magnetometry etc.
	Client	• Material sampling and laboratory test analyses incl. petrographic-minerological analysis, SEM-EDS, FTIR Ministry of Cultural Assets, Ligurian Bureau, Italy (with the
		University of Genoa, Italy)



Year	2006 – 2008
Site	Former Supreme Court, Singapore (1939)
Building Type	Neoclassical institutional building (steel, RC & masonry structure)
Project	Specialisation Thesis submitted to MICA and PMB for use in NAG Project
Scope	<ul> <li>Architectural conservation documentation analysis &amp; guidelines</li> </ul>
	• Materials and deterioration assessment for artificial stone facades, terrazzo finishes, plasterwork, rubber tiling etc.
	<ul> <li>Material sampling and laboratory test analyses incl. petrographic-minerological analysis, SEM-EDS, FTIR, tests for soluble salts, carbonation of artificial stone finishes</li> <li>Restoration specification and techniques for artificial stone and terrazzo</li> </ul>

\* National Monument

	Year Site	2008 – 2009 54 & 56 Heeren Street, Malacca, Malaysia (Late 18 C & 1930s)
	Building Type	Dutch & British colonial terraced townhouses (masonry & timber structure)
	Project	Architectural Conservation and Adaptive Re-use for NUS-DOA Tun Tan Cheng Lock Centre for Asian Built Heritage Research and Conservation
	Scope	• Materials and deterioration assessment for brick masonry, lime plaster, mineral paintwork and metallic elements
	Client/ Architect	• Non-invasive site investigation incl. IR thermography NUS Department of Architecture

### \* Restoration Project in UNESCO World Heritage Site



Year	2008 – 2009
Site	Former Victoria School, Singapore (1933)
Building Type	Art Deco/ Modernist institutional building (RC & masonry structure)
Project	Adaptive Re-use & New Extension for People's Association HQ
Scope	Materials and deterioration assessment for artificial stone
	facades
	<ul> <li>Interpretation of laboratory test analyses incl.</li> </ul>
	petrographic-minerological analysis, fluorescent microscopy
	<ul> <li>Conservation specifications, trial mock-ups and site</li> </ul>
	supervision for restoration of artificial stone facades
Client	Singapore Piling and Engineering Pte Ltd
Architect	Architects 61 Pte Ltd

### \* Winner of URA Architectural Heritage Awards 2009

Year Site Building Type	2009 <b>Hong San See Temple, Singapore (1913)</b> Southern Chinese religious building ( <i>Minnan</i> traditional
5 71	timber and stone structure)
Project	Restoration of National Monument
Scope	• Materials and deterioration assessment for natural stone
	stelae
	<ul> <li>Conservation specifications, trial mock-ups and</li> </ul>
	restoration cleaning for natural stone stelae
Client	Preservation of Monuments Board, Singapore

\* Winner of UNESCO Asia-Pacific Award of Excellence 2010

	Year Site Building Type	2009 <b>9 Units Conservation Shophouses, Joo Chiat, Singapore</b> (1940s-50s) Art Deco/ Modernist terraced shophouses (RC & masonry structure)
(3) (4) (5) PLOT 3 PLOT 4 HOUSE 93 HOUSE 95	Project	Heritage 9 Development (Adaptive Re-use and New Extension)
	Scope	<ul> <li>Materials and deterioration assessment for artificial stone facades</li> <li>Conservation specifications, trial mock-ups and site supervision for restoration of artificial stone facades</li> </ul>
	Client Architect	Soil-Build Pte Ltd AGA Architects Pte Ltd

	Year	2010, 2012
	Site	157 Neil Road, Singapore (1890s)
A	Building Type	Peranakan terraced townhouse (loadbearing masonry and
		timber structure)
	Scope	• Materials and deterioration assessment for lime plaster
		and ornamentation
		• Trial mock-ups, restoration cleaning, biocide treatment
		and consolidation of lime plaster and ornamentation
	Client	NUS Museums, National University of Singapore

	Year	2009 – 2011
	Site	St. George's Church, Georgetown, Penang, Malaysia
		(1818)
	Building Type	Georgian Neo-classical religious building (masonry & timber structure)
	Project	Restoration of National Monument
A	Scope	<ul> <li>Architectural conservation documentation analysis &amp; guidelines</li> </ul>
ANC .		Materials and deterioration assessment for brick
		masonry, lime plaster, paintwork, stone, terrazzo, timber and metallic finishes
P. art		<ul> <li>Interpretation of laboratory test analyses incl.</li> </ul>
		petrographic-minerological analysis
- Barris		<ul> <li>Restoration specification and techniques</li> </ul>
22	Client/ Architect	East Design Architects Sdn Bhd

# \* National Monument (Malaysia) in UNESCO World Heritage Site

	Year Site	2009 – 2015 Former military complex & NCO Club at Beach Road, Singapore (1930s-50s)
	Building Type	Modernist military/ institutional buildings (RC & masonry structure)
	Project	South Beach Development, Singapore
	Scope	<ul> <li>Architectural conservation documentation, analysis &amp; guidelines</li> <li>Architectural design review for conservation buildings</li> <li>Materials and deterioration assessment for natural stone, brick masonry, terrazzo, steel, bronze, cast iron, ceramics,</li> </ul>
		<ul> <li>architectural glass, timber, plasterwork, paintwork etc.</li> <li>Restoration specification and techniques</li> <li>Construction stage specialist consultancy</li> </ul>
	Client	South Beach Consortium Pte Ltd
	Design	Foster and Partners (UK)
autor and	Architect	Aedas Pte Ltd





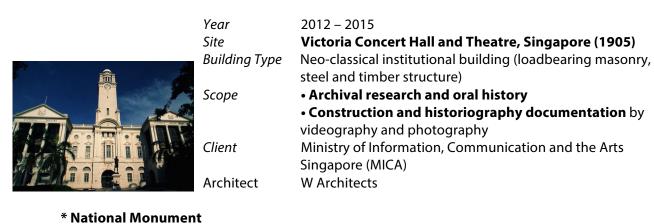
#### Year 2010 Capitol Building & Theatre (1930); Stamford House (1906) Site Building Type Neoclassical recreational/ residential (RC/ steel/ timber structures) URA Land Sales for redevelopment (Pre-bid stage) Project Scope Architectural conservation initial survey and assessment Archival building plans and historical research Client Valparaiso Singapore Pte Ltd/ Gaw Capital Herzog & de Meuron (Switzerland) Design Aedas Pte Ltd Architect

#### \* One of three finalists in URA Land Sales Two-Envelope competitive bid

Year	2011 – 2015
Site	Capitol Building & Theatre (1930); Stamford House (1906)
Building Type	Neoclassical recreational/ residential (RC/ steel/ timber
	structures)
Project	URA Land Sales for redevelopment
Scope	<ul> <li>Architectural conservation documentation, analysis &amp;</li> </ul>
	guidelines
	<ul> <li>Architectural design review for conservation buildings</li> </ul>
	• Materials and deterioration assessment for natural stone,
	brick masonry, terrazzo, mild steel, cast iron, architectural
	glass, timber, plasterwork, paintwork etc.
	<ul> <li>Restoration specification and techniques</li> </ul>
	<ul> <li>Construction stage specialist consultancy</li> </ul>
Client	Architects 61 Pte Ltd
Design	Richard Meier & Partners LLP (USA)
Architect	Architects 61 Pte Ltd

	Year	2011 – 2012
	Site	Singapore railway land (former KTM railway) (1903-70s)
	Building Type	Art Deco/ Modernist transport, infrastructure and ancillary buildings (RC & brick masonry structure)
	Project	Singapore Railway Heritage Survey & Documentation (Rail Corridor Project)
	Scope	• Built Heritage Survey of former train stations, engineering, residential and other structures
ALL MARTIN		• Photo-documentation and mapping of railway heritage
	Client	landscapes, structures and artefacts Singapore Heritage Society

\* National Monument (former Tanjong Pagar Railway Station)





Site Building Type Project Scope

Year

Client Architect

#### \* National Monument

#### 2012 – ongoing

**Cathedral of the Good Shepherd, Singapore (1846)** Neo-classical religious building (masonry & timber structure) Additions & Alterations to National Monument • **Archival research and conservation survey** 

- Materials and deterioration assessment for brick masonry, lime plaster, paintwork, stone, timber and metal
- Restoration specification and techniques • Construction stage specialist consultancy Cathedral of the Good Shepherd Architects 61 Pte Ltd

	Year Site	2013 - ongoing Former Myanmar Railways Building, Yangon, Myanmar (1870s)
	Building Type	Victorian-era institutional building (masonry & timber structure)
	Project	The Peninsula Yangon/ Landmark Project
	Scope	<ul> <li>Architectural heritage survey</li> <li>Dilapidation and tactile survey for laterite and fair-faced brick masonry, timber and cast iron</li> <li>Conservation design consultancy</li> <li>Restoration specifications and techniques</li> </ul>
	Client	Prime Estate Developments Ltd. Hong Kong & Shanghai Hotels Ltd.
	Architect	Aedas Pte Ltd

#### \* Yangon City Landmark

	Vaar	2012	
	Year	2013 - ongoing	
	Site	Former MGS Olson Building (1928), Trinitity Theological	
		College Chapel (1968), Nan Hwa Girls' School (1941)	
	Building Type	Early modern institutional building, postwar modern church	
	5 71	(masonry & RC structures)	
	Project	Mount Sophia development	
	Scope	<ul> <li>Architectural heritage survey</li> </ul>	
		<ul> <li>Architectural design review for conservation buildings</li> </ul>	
- I - Sa		• Materials and deterioration assessment for fairfaced brick	
19		masonry, clay tiles, mild steel, timber, terrazzo, precast RC	
State of		elements, lime plaster, shanghai plaster, paintwork etc.	
-		<ul> <li>Restoration specification and techniques</li> </ul>	
		<ul> <li>Construction stage specialist consultancy</li> </ul>	
£:22	Client	Hoi Hup Sunway Mount Sophia Pte Ltd	
-	Architect	Consortium 168 Pte Ltd	
	Cherry	• Construction stage specialist consultancy Hoi Hup Sunway Mount Sophia Pte Ltd	





Year 2013 - ongoing Site Raffles Hotel (1889-1907) (RH Arcade - 1989) Building Type Hotel compound with buildings in various colonial revivalist styles (masonry & timber structure) **Renovation Works to Raffles Hotel** Project Scope Architectural heritage survey Architectural design review for conservation buildings • Materials and deterioration assessment for brick masonry, marble, lime plaster, glazed ceramic, cast iron, clay tiles, timber, paintwork etc. • Restoration specification and techniques Construction stage specialist consultancy

Beach Road Hotel (1886) Ltd Aedas Pte Ltd

Client Architect

\* National Monument

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Year	2014
Site	Former Catholic High School (1951)
Building Type	Art Deco/ Modernist institutional building (RC structure)
Project	Feasibility Studies of A&A to Singapore Art Museum
Scope	<ul> <li>Initial conservation site survey</li> </ul>
	<ul> <li>Architectural heritage research</li> </ul>
	<ul> <li>Conservation impact design review</li> </ul>
Client	National Heritage Board
Architect	W Architects Pte Ltd



Year	2014 - ongoing
Site	St George's Church (1911)
Building Type	Arts & Crafts movement religious building (fairfaced brick masonry structure)
Project	Conservation Maintenance and Phased Restoration
Scope	<ul> <li>Condition assessment and materials investigation</li> </ul>
	<ul> <li>Long-term maintenance and restoration plan</li> </ul>
	<ul> <li>PSM Monuments Grant application</li> </ul>
	<ul> <li>Construction stage project management</li> </ul>
Client	St George's Church Council

#### \* National Monument



	Year	2014 - ongoing
	Site	Southern Singapore
	Building Type	Various (20 <sup>th</sup> C. brick masonry, timber and RC structures)
	Project	Impact Studies on Historic Buildings Affected by
		Infrastructural Development
14-5	Scope	<ul> <li>Architectural Heritage Survey</li> </ul>
		<ul> <li>Building Condition Assessment</li> </ul>
		<ul> <li>Impact Study &amp; Mitigation</li> </ul>
	Client	Government of Singapore

#### \* National Monument



Trans.	Year	2015 - ongoing
	Site	Church of the Nativity of the Blessed Virgin Mary (1901)
*	Building Type	Neo-Gothic religious building (partial brick masonry and RC structure)
	D · /	
-	Project	Architectural Restoration of National Monument
10-11-11-11-11-11-11-11-11-11-11-11-11-1	Scope	<ul> <li>Condition assessment and materials investigation</li> </ul>
1.15		Scope of restoration work
		PSM Monuments Grant application
and a second second		<ul> <li>Construction stage project management</li> </ul>
	Client	Church of the Nativity of the Blessed Virgin May

#### \* National Monument