

Commercial System Profile

August 2022

*Celebrating 45 years of
delivering solar
since 1978*



Going Solar Pty. Ltd.

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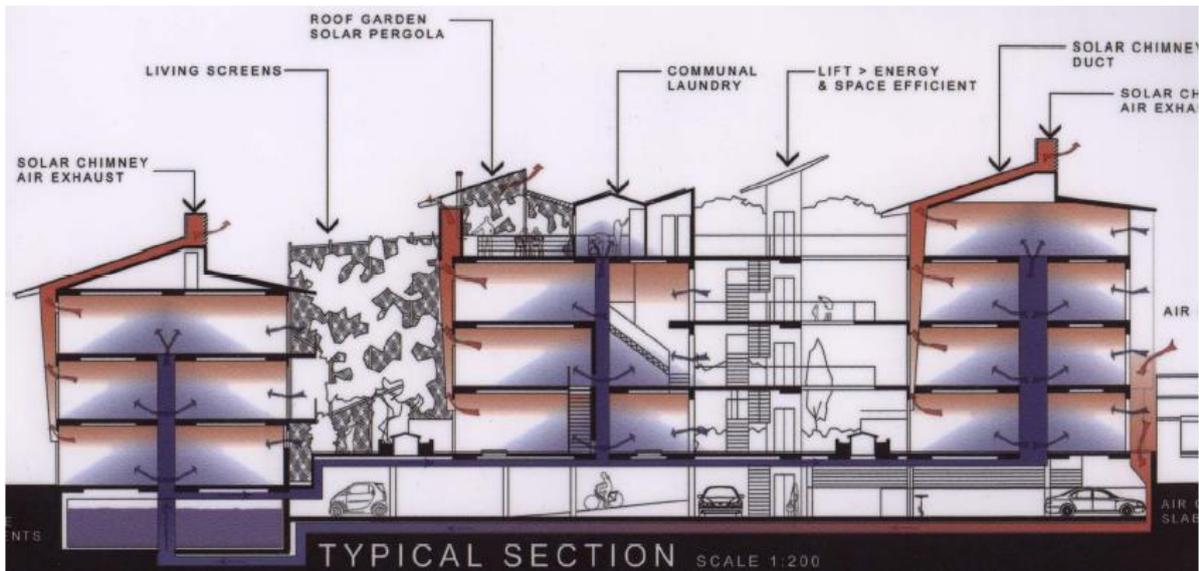


Going Solar - Profile

About Going Solar Pty Ltd – *Celebrating 45 years of delivering solar*

Going Solar, trading since 1978, is a multi-award-winning design and installation company specialising in innovative solar electricity, solar hot water and environmentally sustainable design (ESD) projects. Going Solar has its own in-house accredited engineer designers and project managers.

Going Solar works co-operatively in conjunction with other consultants in the specialist fields of urban design, built form, landscaping, renewable energy, energy efficiency, water efficiency, healthy buildings, sustainable tourism and sustainable transport. We diligently track and assess new and innovative technologies.



Going Solar - Profile

Industry Awards

Going Solar has received the following awards for design and installation of our systems:

- 2006 – The Solar Pergola in South Melbourne – BCSE Award for Excellence**
- 2007 – Ballarat University PV Building Façade – BCSE Award for Excellence**
- 2008 – Domestic PV System at Williamstown – CEC Award for Excellence**
- 2008 – PV Sound Barrier on the Tulla-Calder Interchange – CEC Award for Excellence**
- 2009 – Domestic Solar Hot Water System, Riddells Creek – CEC Award for Excellence**
- 2009 – PV System (less than 5kWp), Taylors Lakes – CEC Award for Excellence**
- 2009 – PV System (5kW-20kWp), Tecoma – CEC Award for Excellence**
- 2011 – Commercial Solar Hot Water System, Mallacoota – CEC Award for Excellence**
- 2011 – PV-UPS System (less than 10kWp), Box Hill – CEC Award for Excellence**
- 2012 – Domestic Solar Hot Water System, Northcote – CEC Award for Excellence**
- 2014 – Stand-Alone System, Regional Victoria – CEC Award for Excellence**
- 2014 – Solar Canopy, Wyndham Vale – CEC Award for Excellence**

Note: These are the top industry awards. The Business Council for Sustainable Energy (BCSE) is now the Clean Energy Council (CEC). PV = Photovoltaic. UPS = Uninterrupted Power Supply

In 2015 we were finalists in two categories:

- **Hybrid System, Surrey Hills**
- **Grid Connect under 15 kWp, Footscray**



Left:	Solar Canopy, Wyndham Vale
Below Left:	Solar Façade, Ballarat University
Below:	Solar Pergola, South Melbourne
Overleaf:	Solar Tower, Southbank



Previous Experience

State Government

- **Department of Human Services –**
 - Collingwood – 4.56kWp PV system.
 - Horsham – 3.42kWp PV system..
 - Wodonga – 3.42kW PV system.
- **Department of Justice –**
 - **Beechworth Prison – 38kWp PV system.**
 - Dhurringile Prison – 25kWp PV system.
- **Department of Sustainability and Environment –**
 - Web-based Sustainability Kit for Business and Government Facility Managers.
 - Refinement of the DSE cleaning contracts to make them as 'green' as practicable.
 - Heidelberg – Rainwater Harvesting System.
- **Department of Treasury and Finance, Treasury Place –**
 - Solar Hot Water systems on five high-rise government office buildings.
- **Melbourne Park Tennis Centre (Major Projects Victoria)**
 - Administration and Media Building – 60kWp PV system.
- **Parks Victoria –**
 - Albert Park – 2.02kWp PV system.
 - Fort Nepean, Mornington Peninsula – Off-Grid PV system.
 - Hattah National Park – ESD Advice and PV system installation.
 - Rainbow – 1.85kWp PV system.
- **Zoos Victoria –**
 - Royal Park – ESD Advice.
 - Werribee – Small Off-Grid systems.
- **Phillip Island Nature Parks –**
 - ESD Advice for the Penguin Parade, Koala Centre and Seal Rocks Observatory.
- **Regional Rail Link / Metro / PTV –**
 - Design of PV for Footscray, West Footscray and Sunshine. (Award Winning Project)#
 - Footscray – 15kWp PV system, design and install. (Award Winning Project)*
 - West Footscray – 27.75kWp PV system, design and install. (Award Winning Project)*
 - Sunshine – 30kWp PV system, design and install. (Award Winning Project)*
 - **Bonbeach Station – 15kWp PV system design and install.**
 - Bulleen Park and Ride – 20kW PV System (under construction)
- **VicRoads –**
 - **Tulla-Calder Interchange: 500m , 24kWp Solar Sound Wall. (Award Winning Project).**
 - **M80 (Western Ring Road) – Design and installation of 47.6kWp Solar Barrier Wall Project – 510 metres.**
- **Victoria Police**
 - Marysville Police Station – 4.995kWp PV system.
 - Waurm Ponds Police and SES Complex – 14kWp PV system.
- **Yarra Valley Water** – Help in delivery of their 2006-09 Mitcham green office strategy.
- **Princess Wharf, Hobart** – Design and supply of 11.97kWp PV system.



Regional Rail Link Awards, July 2014 awarded to the Footscray - Deer Park consortium:

* Environmental Sustainability Award (including the PV panel systems)

Sustainable Design Recognition Award (including the PV panel systems)

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Local Government

- **Bayside Council** – Green office program.
- **Cardinia Shire** –
 - ESD options for a Business Park.
 - Development of Sustainable Building Guidelines.
 - Living and Learning Centre, Pakenham – ESD Recommendations.
- **City of Boroondara** –
 - ESD Technical Report for West Hawthorn Urban Design Framework.
- **City of Casey** –
 - Investigation of renewable energy and sustainable options for Myuna Farm.
 - ESD initiatives for 795 ha West Cranbourne Urban Development.
 - Doveton Community Hall – 3.4kWp PV system.
 - Grices Road Soccer Pavilion, Berwick – 5.07kW PV system.
 - Arbourlea Family and Children's Centre, Cranbourne North – 5kW PV system.
- **City of Darebin**–
 - Solar Hot Water systems for ten community buildings including the Council offices and Northcote Aquatic and Recreation Centre.
 - Keon Park Children's' Hub, Reservoir – 7.84kWp PV system.
 - Ruthven Pavilion, Preston – 5kWp PV system.
- **City of Glen Eira** –
 - Supply and install of solar hot water system for a bicycle storage pod.
- **City of Greater Geelong** –
 - Windsor Park Children and Family Centre – 11.5kWp PV system.
- **City of Maribyrnong** –
 - North Building – 71.6kWp PV system
 - Operations Centre – 29.9kWp PV system.
 - Cherry Cres Pre-School, Braybrook – 4.875kWp PV system.
 - Mclvor Pavilion, Footscray – 945 litre Solar Hot Water system.
 - Braybrook Community Centre – 29.9kWp PV system.
 - Maidstone Community Centre – 4.875kWp PV system.
 - 9 Randall St, Maribyrnong – 4.875kWp PV system.
 - Clare Court Childcare Centre – 10kWp PV system.
 - Maribyrnong River Childcare Centre – 5kWp PV system.
- **City of Melbourne** –
 - Art Play, Birrarung Marr – 3.232kWp PV system.
 - Urban Camp, Royal Park – 5.1kWp PV and 1260 Litre Solar Hot Water systems.
 - Venny Adventure Playground, Kensington – 5.1kWp PV system. Rooftop Garden.
- **City of Monash** –
 - Batesford Community Hub, Chadstone – 13.5kWp PV system..
- **City of Moonee Valley** –
 - Clock Tower Centre, Moonee Ponds – Solar Hot Water system.
 - Waste Transfer Station – 30kWp PV system.
 - Kellaway Neighbourhood Centre – 9.3kWp PV system.
- **City of Moreland**
 - Gowanbrae Community Centre – 6.27kWp PV system.
 - Oak Park Sports & Aquatic Centre – 41.96kWp PV system (in the corrosive environment)
- **City of Port Phillip** –
 - Trugo Centre, Garden City Reserve, Port Melbourne – 2.04kWp PV system
 - Elwood Tennis Centre – 2.9kWp PV system with battery storage.
 - Elwood Park Sports Pavilion – 11.31kWp PV system.

"The solar installations at Maidstone and Maribyrnong are top class from every visual aspect and the wiring and inverter mounting look excellent."

Philip Thomson
Network Business Manager, Jemena 2/7/13

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The system at **Elwood Park Sports Pavilion** (photo right) was independently inspected on 2/5/18 by the Clean Energy Regulator. Here are the results:

Assessment: "Industry Best Practice - The system complies with all relevant standards and requirements for installation. No safety, performance or documentation issues have been identified. The workmanship and equipment layout are of a high standard. No rectification work is required."

Inspector's comment: "The installation was found to be of a very high standard, great work."

15/5/18



The system at **Elwood Tennis Club** (photo right) was independently inspected on 2/5/18 by the Clean Energy Regulator. Here are the results:

Assessment: "Industry Best Practice - The system complies with all relevant standards and requirements for installation. No safety, performance or documentation issues have been identified. The workmanship and equipment layout are of a high standard. No rectification work is required."

Inspector's comment: "The PV installation was found to be of a very high standard, well done.
- The Battery Storage system was found to be installed safely, correctly signed and all relevant documentation was sighted."

22/5/18



➤ **City of Stonington –**

- Evaluation of the potential for PV on seven community buildings.

➤ **City of Yarra –** Water conservation feasibility study.

➤ **Hume City Council**

- Broadmeadows Aquatic Centre – Solar Hot Water system.
- Post-Installation Inspection of PV Systems.
- Evaluation of PV options for Hume Central Precinct.
- Gladstone Park Bowls Club - 13.11kWp PV System
- Solar Across Multiple Council Buildings – ~250kWp PV System

"Thanks very much to you and Narayan for all your good work on this project – and for your patience, flexibility and commitment to following up on all those queries and changes. It's been a pleasure working with you."

Michelle Bennett
Hume City Council, 13/11/15

➤ **Hobsons Bay City Council –**

- Altona Library – PV system.
- Council Offices – 945 litre Solar Hot Water system.

➤ **Kingston Council**

- Chelsea Heights Community Centre – 5kWp PV system.

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- **Knox City Council** –
 - Rowville Childcare Centre – 2.4kWp PV System PV system.
- **Maroondah City Council** –
 - Council Offices, Ringwood – 4.04kWp PV System.
 - Yarrunga Community Centre, Croydon Hills – 4.04kWp PV system.
 - Jubilee Park Soccer Pavilion, Ringwood – 4.94kWp PV system.
- **Melton City Council**
 - McKenzie Community Centre – 4.96kWp PV system.
 - Aintree Community Hub – 29.7kWp PV system.
- **Mildura Rural City Council** –
 - ESD options for Storm Water Basins; Library/Tourist/Café/Aquatic Centre complex; and Waste Recycling Centre.
- **Moorabool Shire Council** –
 - Energy audits for Ballan and Bacchus Marsh offices to help reach the Cities for Climate Protection milestone commitments.
- **Mount Alexander Shire Council**
 - Solar hot water system for a sports pavilion.
 - PV system design for community building.
- **Moyne Shire Council** – ESD Options for Council Office.
- **Shire of Yarra Ranges** –
 - ESD options for community building.
 - Assist in preparation of Design Guidelines.
 - ESD advice for urban design review of Monbulk and Montrose.
 - Sustainable transport advice for Lilydale-Healesville Corridor.
- **Whitehorse City Council** –
 - Solar Hot Water systems for three community buildings. (Installations pending).
 - Box Hill Town Hall – 7.65kWp PV system.
 - Blackburn Childcare Centre – 4.07kWp PV system.
 - Nunawading Aqualink Centre – 1,575 litre Solar Hot Water system.
 - Springfield Reserve Pavilion, Box Hill Nth – 10.2kWp PV system with micro-inverters.
 - Vermont Childcare Centre – 4.995kWp PV system.
 - Vermont Community Centre – 4.995kWp PV System.
- **Wellington Shire** – ESD options for Sale Aquatic Centre.
- **Wyndham City** –
 - Williams Landing Sports Pavilion – 5.13kWp PV System
 - Wyndham Cultural Centre – 4.875kWp PV system.
 - Point Cook Community Centre – 4.875kWp PV system.
 - Penrose Promenade Community Hub – 7.14kWp PV system.
 - Clearwood Sports Pavilion, Truganina – 6.24kWp PV system.
 - Mainview Sports Pavilion, Truganina – 4.68kWp PV system.
 - Haines Drive Sports Pavilion, Wyndham Vale – 17.05kWp PV system.
 - Mossfiel Sports Pavilion (Stage 1), Hoppers Crossing – 5.13kWp PV system.
- **Hobart City Council** – PV Systems Consultancy and Building Energy Assessment.

"I was initially drawn to Going Solar because of your reputation and I wasn't disappointed. I had a good feeling from the word go. Working with like-minded people just always seems to work better! So please pass on my thanks to Stephen and also the installation team Ross and Paul. The manner in which they conducted themselves on site was both pleasant and professional making the installation absolutely painless."

Mark Unterfinger 29/6/17



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Community

- **Anglican Church, Cheltenham** – SHW for Residential & Community Centre
- **Bentleigh Uniting Church** – 6.12kWp PV system.
- **Blackburn Bowls Club, Laburnum** – Walkthrough Energy Audit + 12kWp PV system.
- **Blackburn RSL, Blackburn** – 9.88 kWp PV system.
- **Chelsea Heights Community Centre** – 5kWp PV system.
- **Community of the Holy Name** – 5.2kWp PV system and large Solar Hot Water system.
- **Don Bosco Youth Centre, Brunswick** – 7.05 kWp PV system.
- **Greek Orthodox Church, Donvale** – ESD for a multi-purpose sports and event building.
- **Kildonan Uniting Care**
 - Epping – 15.6kWp PV system.
 - Collingwood – 26kWp PV system.
- **Korean Church, Glen Iris** – 4.94kWp PV system.
- **Lakeside Lara Clubhouse, Lara** – 5.5kWp PV system.
- **St Andrews Uniting Church, Glen Iris** – 4.8kWp PV system.
- **St Margaret's Uniting Church, Mooroolbark** – Walkthrough Energy Audit
- **Tecoma Uniting Church** – 5.1kWp PV system. (Award Winning Project).
- **Windsor Park Children and Family Centre** – 11.5kWp PV system.



Health

- **Austin Health** – Heidelberg – 3.6kWp PV system.
- **Australian Nursing & Midwifery Federation** – Melbourne – 37.05kWp PV system.
- **Baptcare Strathalan** – Macleod – 10kWp PV system.
- **Campbell Place Aged Care Facility** – Glen Waverly – 29.9kWp PV system
- **Heathcote Hospital** – Consultation advice on PV and solar hot water.
- **Knox Orthopaedic Group** – Wantirna – 14.82kWp PV system.
- **Kyabram Hospital** – ESD consultation advice.
- **Medical Clinic** – Footscray West – 1.7kWp PV system.
- **Medical Clinic** – Seymour – 3.4kWp PV system.
- **Medical Centre** – Frankston – 13.8kWp PV system.

Commercial

- **ANZ Bank, Tullamarine** – Design/install of 15.3kWp PV system (photo on front cover).
- **M3 Datacentre, West Footscray** – 60kWp PV System (under construction)

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- **Albert Retirement Community** – 8.91kWp PV system.
- **Alexander Miller Memorial Homes**, Geelong 10 x 520Wp PV systems
- **Apartments (above 5kWp)** –
 - East Edge Botanica – 60kWp PV system – concrete roof installation
 - Bruce St Kensington – 34kWp PV system – Under construction
 - The Marker – 7kWp PV System – concrete roof installation
 - Parkview Apartments – 20kWp PV system – concrete roof installation
 - 500 Swanston Street – 20kWp PV system – concrete roof installation
 - 812 Elgar Road, Doncaster – 100 Apartments – Consultation: ESD initiatives and representation before the Manningham Council Design Task Force.
 - Arden Park, North Melbourne – 20.28kWp PV system.
 - Arthur Apartments, Melbourne – 24.96kWp PV system.
 - Freshwater Place, Southgate – Design of PV system.
 - Gore Street, Fitzroy – Review of SHW for 66 apartments.
 - Harrison Street, Brunswick – ESD evaluation and report on 35 apartments.
 - Queens Road, South Melbourne – 17.92kWp PV system.
 - Ivanhoe Apartments, Heidelberg Heights – 10.26kWp PV system.
 - Jaques Apartments, Stage 1, Richmond – 6kWp PV system.
 - Jaques Apartments, Stage 3, Richmond – 6kWp PV system.
 - Jewell Apartments, South Melbourne – 8kWp PV system.
 - Only Flemington, Ascot Vale – 19.53kWp PV system.
 - Co Apartments. Richmond – 20.52kWp PV system.
 - Claire St, McKinnon – 10.14kWp PV system.
- **Austcorp Group** – Feasibility Study on a Solar Farm..
- **Butterfly House Display Home**, Murrumbena – Design/install 2,380W PV system.
- **Delfin Lend Lease** –
 - ESD advice for town centre at Caroline Springs (600 dwellings).
 - Sustainable Transport Options for Urban Fringe Developments.
- **Deliveroo**, Collingwood – 8.91kWp PV system.
- **Industry Fund Services** – Sustainable office program.
- **Melbourne Airport** – Stand Alone PV Systems for shelters.
- **Mountain Goat Brewery**, Richmond – ESD advice and Solar Hot Water system.
- **Mt Rothwell Biodiversity Sanctuary**, Little River – 2.88kWp AC coupled Off-Grid PV.
- **Offices**
 - Kew – 14.52kWp PV system, design and install.
 - 40 Albert Road, South Melbourne – Design and installation of rooftop PV Solar Pergola. (Award Winning Project).
 - 60 Leicester Street, Carlton 15kWp PV system, design and install.
 - 50 Lonsdale Street, Melbourne – Design, supply and install of 4kWp PV System.
 - Collingwood – 23.25kWp PV system, design and install
- **Pentridge Village**, Coburg – ESD Advice.
- **Toyota Australia** – ESD advice and paper audit.
- **Warehouses** –
 - Warrnambool – 25kWp PV system
 - Laverton North – 18kWp PV system, design and install.
 - Dandenong – 10kWp PV system, design and installation.
 - Bullen – 7.8kWp PV system, design and install.



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Education

- **MacKillop College, Werribee – 100kW PV system**
- **Melbourne Grammar School (Myer Music) –** 5kWp PV system
- **Ballarat Grammar School – Science Centre –** Design/install of GIPV SHW systems.
- **Ballarat University –** Building Integrated PV System for the Building & Construction Training Centre. ([Award Winning Project](#)).
- **Beaconhills Village College –** ESD Report and 2.1kWp PV system.
- **Box Hill TAFE, Box Hill –** Design/installation of PV **UPS** system ([Award Winning](#)).
- **Caulfield Grammar School –**
 - **Yarra Junction – ESD Report, SHW and Off-Grid PV.**
 - **Wheelers Hill – 10.40kWp** PV System for Maintenance Shed
- **Collingwood English Language School –** Design/installation of 7.8 kWp PV system.
- **Deakin University – Waurn Ponds Campus – Design/installation of 40kWp PV system.**
- **Donvale Christian College –** Micro Hydro, Solar Hot Water, Wind and PV System.
- **Fitzroy Community School –** PV system design and installation.
- **Kangan Batman TAFE, Docklands –** Design/installation of **22kWp** PV system.
- **Kurunjang Secondary College –** 5kWp PV system.
- **Latrobe University**
 - **Bundoora –** Move and upgrade 5kWp PV system.
 - **Bundoora –** Design/installation of a 4.8kWp PV system.
- **Lynall Hall Community School, Richmond –** 2.04 kWp PV system.
- **Lumen Christi Primary School, Churchill, Latrobe Valley –** Advice on innovative solar technologies. ([Sustainability Victoria Case Study](#)).
- **Melbourne Girls Grammar, South Yarra –** 2.115 kWp PV system.
- **Melbourne Grammar School –**
 - **Caulfield –** 3 kWp Building Integrated PV (Atrium).
 - **South Yarra – 10.5kWp** PV system.
- **Melton College, Melton –** 3.5kWp PV system.
- **MLC Marshmead, Mallacoota –** 945 litre Solar Hot Water ([Award Winning Project](#)).
- **Monash University –**
 - **Clayton and Berwick –** Design of **46 kWp** PV systems.
 - **Monash Sustainability Institute, Clayton –** 5.15kWp PV system.
- **NMIT, Epping Campus –** Design/installation of PV and SHW systems.
- **North Fitzroy Primary School –** 4.848kWp PV system.
- **Our Lady of the Southern Cross –** 9.75kWp PV system. ([Award Winning Project](#)).
- **Overnewton College –**
 - **Keilor –** 4.84kWp PV system.
 - **Taylors Lakes –** 4.84kWp PV system. ([Award Winning Project](#)).
- **Padua College, Mornington –** Solar Cooling and Ventilation System.
- **Pascoe Vale Girls' College –** Design and installation of PV and foyer display.
- **Roxborough College –** Design and installation of PV system.
- **Scotch College Science Centre** 4.5kWp PV system.
- **St Bernard's Catholic Primary School, East Coburg –** **10.5kWp** PV system.
- **St Kilda Park Primary –** Small Solar Pumping System.
- **Salesian College, Rupertswood –** 5.2kWp PV system.
- **Staughton College Trade Training Facility –** 5kWp PV system.
- **Swinburne Centre for Sustainability, Wantirna –** Design/installation of PV system.
- **University of Melbourne, Bio21, Bioscience Building –** 5kWp PV system.
- **Williamstown High School –** Small Off-Grid PV System.

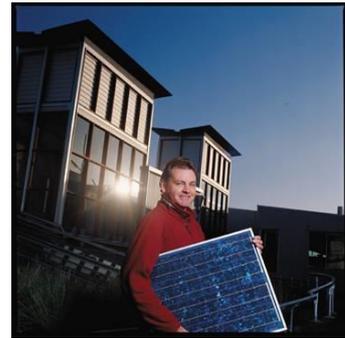
"The program wouldn't have gone so smoothly without Going Solar's involvement."

Vivian Li,
College of Business,
RMIT University, 6/8/13

Stephen Ingrouille (Ex Principal) – Short Bio

Stephen Ingrouille has been working in the sustainability field for over 42 years. He is the ex-principal of Going Solar Pty Ltd, a leading Australian-based renewable firm established in 1978.

He was a founding member of the Alternative Technology Association (1976); the Appropriate Technology Retailer's Association (1979); the Sustainable Living Fairs (1998); and the Sustainable Living Foundation (1999).



In 2004, Stephen was a finalist in two categories of the Banksia Environmental Awards: *Australians Working for a Sustainable Future* and the *Prime Minister's Environmentalist of the Year*. In August 2006 he won the *Melbourne Award* which recognised thirty years of *Contribution to the Environment*.

Throughout November 2006 Stephen delivered a series of workshop presentations on sustainable buildings and renewable energy on the West Coast of North America. Stephen has taken a keen interest in the sustainable design of our urban and regional spaces (incorporating urban design, sustainable buildings, transport, tourism and renewable energy). In 2007 he prepared a report for the Shire of Yarra Ranges and the State Government on the possibility of reopening the Lilydale – Healesville railway and running a train on that line from solar power.

In 2007 he visited Sri Lanka and, as part of the post-tsunami reconstruction effort, prepared a report recommending the use of trams for the new regional capital of Hambantota. That recommendation was accepted and the tramway corridor has been reserved on the city plan. In 2009 Stephen was a speaker at the APEC Sustainable Transport and Land Planning Conference in Singapore. Also in 2009 he prepared a report – *Making the Bay Connect* – on the options for, and economic advantages of, waterborne transport (ferries) on Port Phillip Bay, Melbourne. Stephen published a weekly email newsletter on sustainable cities and transport that received a commendation in the *2008 Victorian Planning Industry Awards*. He has also served on a number of advisory committees and is currently a judge for the Melbourne Awards.

In 2010 Stephen revisited Sri Lanka and also visited Thailand to investigate the progress in the adoption of the *Bangkok Declaration* – the blueprint for sustainable cities in Asia. Stephen wrote a report on transport in Thailand (with reference to the *Bangkok Declaration*). In 2011 he visited New York, England, Ireland and Montserrat looking at sustainable transport, building, tourism and urban design initiatives and helped edit the book by Jenny Donovan: *Designing to Heal*. At the end of 2011 Stephen delivered a second substantial report on the operation of ferries on Port Phillip Bay.

In recent years, Stephen has again been focusing on the larger renewable energy systems. In 2013 he became a director of Snowy River Innovation Pty Ltd, a consortium established to review and promote innovative sustainable technologies. His other current interests include the establishment of the Port Phillip Men's Shed Association (2013) and a passion for hiking – including walking (in 2013) the Portuguese Camino and (in 2014) the Larapinta Trail in Central Australia. Also in 2014 Stephen visited Cambodia to study Responsible Tourism. In 2015 he accompanied Disability Sport & Recreation in a cycle through Northern Laos. In 2016 he initiated and organised the first Melbourne / Victorian Walking Festival. In 2017 he helped edit a second book by Jenny Donovan: *Designing the Compassionate City*.