Innovative Technologies Pty Ltd

Game changing ‘Integrated Vertical Solar System’ for the untapped market of high-rise solar power generation

INTRODUCTION

We are an Australian research, development and commercialisation company that has successfully tested working prototypes of our game changing and "patent pending" products and technologies, specifically; **Non-Combustible Integrated Vertical Solar System.**

Intellectual Property: Australian standard, design and innovation patents and trade marks are registered and pending. Associated UK and other international patents are pending.

Based on our independent market research report by *'The Market Intelligence Company'*, there is substantial evidence indicating a huge global commercial potential uptake for **vertical solar power** generation for residential and business high-rise buildings, apartments and offices.

In the global market only conventional solar roof panels are available for homes and businesses with suitable roof space. There are millions of residential apartments, business offices, business office complexes, high-rise residential and commercial buildings that have no access or very limited roof space to install conventional solar roof panels.

INTRODUCTION

More Australians than ever are taking up apartment living. The 2016 Census of Population and Housing found that 13.1% lived in flats or apartments, 12.7% lived in semi-detached rows or terrances, therefore 25.8% of the population have no access to enough roof space for conventional solar roof panels. There is now around one occupied apartment for every five occupied separate houses in Australia - compared with one to every seven, back in 1991. The growth in apartment living is primarily an urban phenomenon, concentrated not only within Australia's major capital cities but in all major global cities.

Therefore there is a huge untapped market for Vertical Solar Power generation.

Our CSIRO Product Validation - Australian Kick-Start Program

The Australian Government funded CSIRO [Commonwealth Scientific and Industrial Research Organisation] is at the forefront of Australian scientific research and product development and has global credibility. Innovative Technologies Pty Ltd was accepted onto the 'CSIRO Kick-Start Program' in September 2017, which demonstrates that our Vertical Solar technologies, products and applications are recognised by this independent organisation and were subjected to their independent product performance testing.

THE TEAM

Jack Lyons

Jack Lyons has been an entrepreneur since 1994 (30 years).

Jack has been involved in the design, development and commercialisation of numerous commercially successful products.

Specifically:

- The 'Computa Racing Informer' the first computer generated horse racing formguide in Australia, entering into a commercial contract with AAP (Australian Associated Press)
- The 'Business Services Directory' introduced in letter by Mr. Bob Carr Premier of NSW. (Letter in latest IM)
- The 'Matrix Armor Protection' range of products, entering in a South African exclusive license and distribution contract with 'Twiga Group of Companies' (Letter in latest IM)
- The 'Help Emergency Response' and 'Help Medical Emergency' Mobile Apps, commended in a letter by The Hon. Pru Goward MP, Minister for Medical Research, Minister for Mental Health, Minister for the Prevention of Domestic Violence and Sexual Assault. (Letter in latest IM)
- Research and development of the current "Integrated Vertical Solar System for the previous five years.

Geoffrey Lyons

Geoffrey Lyons has an engineering and technical drawing background. He started a successful manufacturing company employing 122 people before emigrating to Australia in 1984.

Geoffrey is highly skilled at the technical drawing and physical building of product prototypes and has been directly involved in the building and testing of the 'Non-combustible Solar Wall Cladding', 'Integrated Connector Channel System', 'Solar Shutters' and 'Superbright Power Unit'.

Harold Lyons

UK company director and shareholder.

Tim Cameron

Tim is responsible for all prototyping and connected IT with broad international expertise in advanced engineering projects.

THE PROBLEM

Currently only conventional solar roof panels are available for free standing homes and businesses with suitably large roof space.

Approximately 25% of the population live or work in high rise buildings, offices and apartments.

These millions of people are locked out of the benefits of generating renewable solar power due to the fact that currently solar roof panels are only commercially viable for horizontal roof surface areas of houses and large solid commercial buildings with large flat roof areas.

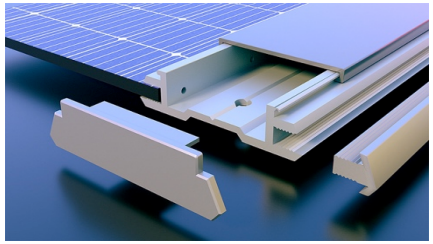
No or very limited roof space suitable for installation of conventional solar roof panels

THE SOLUTION

If it was possible to safely and securely attach and electrically inter-connect any number of conventional certified solar roof panels to the vertical wall surface areas of high-rise residential and commercial office buildings and even to the modern glass front high-rise buildings this would represent a global game-changing development offering significant amount of renewable solar energy exposure and power generation, supplying the high-rise buildings with a substantial supplementary source of renewable electricity with the following benefits;

1. A significant reduction in the buildings main-grid electricity usage and associated costs. The saving which could be passed on to all of the building's owners and tenants.
2. The renewable solar power generated from the daytime solar power generation could illuminate the buildings lights at night from the daytime stored power, and directly power the buildings lights during the day without having to store the electricity.
3. Any surplus renewable solar energy could be fed-back into the main-grid electricity system for significant electricity cost credits from the service providers.
4. Each residential apartment or business office could either share in the reduction of the main-grid electricity costs or could alternatively receive their own share of the supplementary electricity generated by the solar energy to help power home or office equipment and appliances.
5. The cumulative carbon footprint of the building would be significantly reduced.
6. This is the future of 'Smart Buildings' and 'Smart Urban Developments' helping to significantly expand the renewable solar energy generation of major global cities and at the same time significantly reducing their carbon footprints, and simultaneously making a positive impact to the serious problem of global warming.

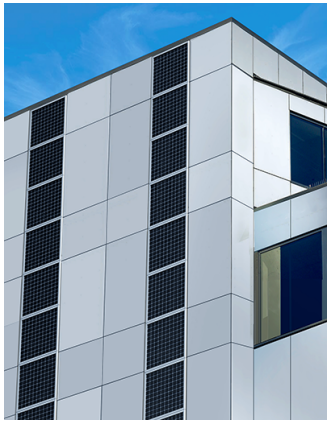
PRODUCTS & TECHNOLOGY



1.

1. Connector Channel System

2. Vertical installation and electrical interconnection of conventional PV Solar Roof Panels



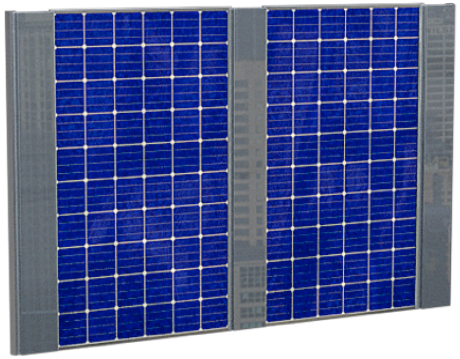
2.

3. Non combustible Solar wall cladding/facade

4. PV Solar Panel

5. Integrated Connector Channel with Solar Panels

3.

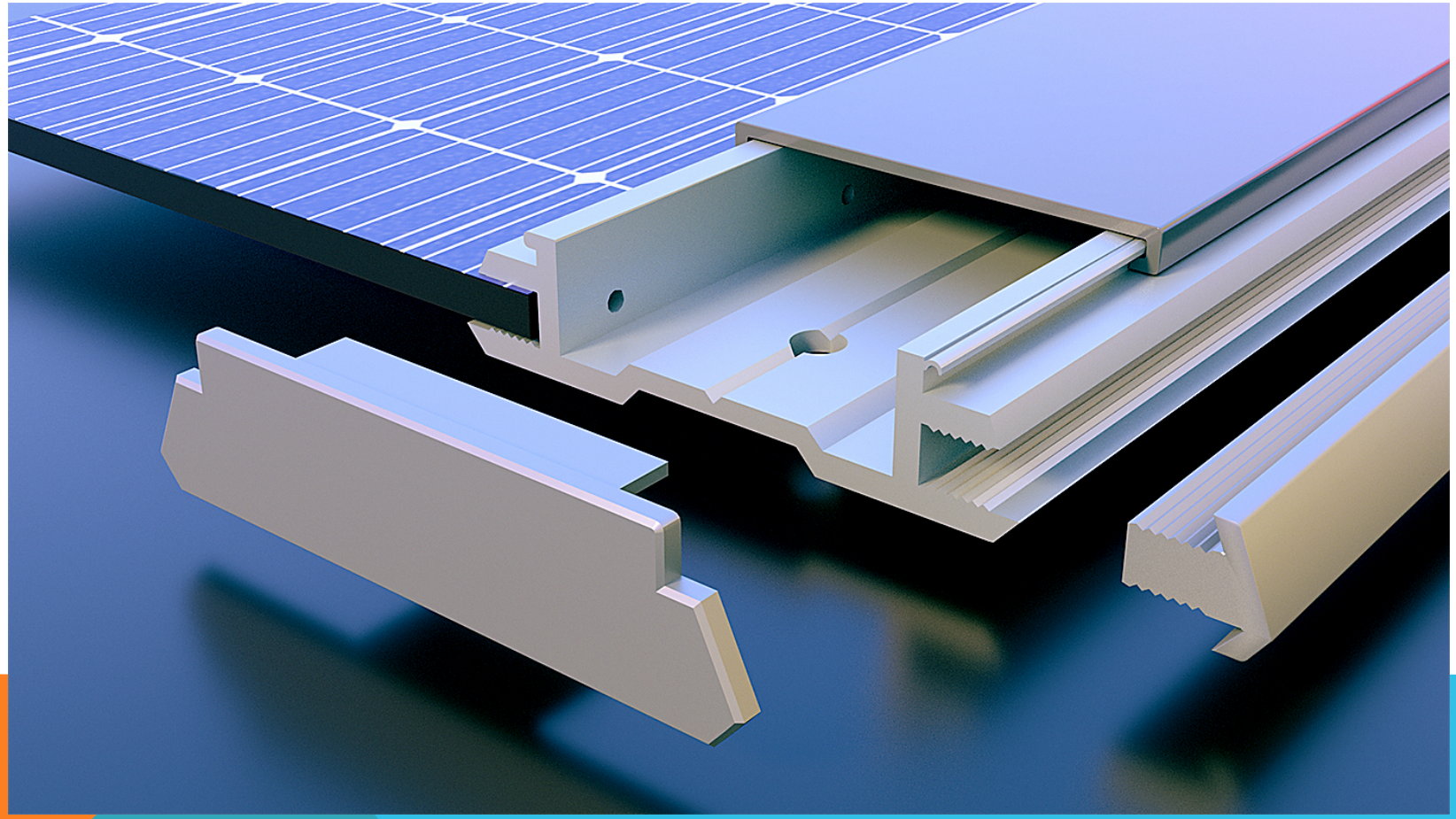


5.

4.

INTEGRATED VERTICAL SOLAR CONNECTOR CHANNEL SYSTEM

Global 'Patent Pending'



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INTEGRATED VERTICAL SOLAR PANEL SYSTEM

INNOVATIVE TECHNOLOGIES PTY LTD

INTEGRATED NON-COMBUSTIBLE SOLAR WALL CLADDING

INNOVATIVE TECHNOLOGIES PTY LTD

INTEGRATED VERTICAL SOLAR PANEL SYSTEM

Functionality + Aesthetics

INNOVATIVE TECHNOLOGIES PTY LTD

INTEGRATED VERTICAL SOLAR PANEL SYSTEM

4 Vertical Columns

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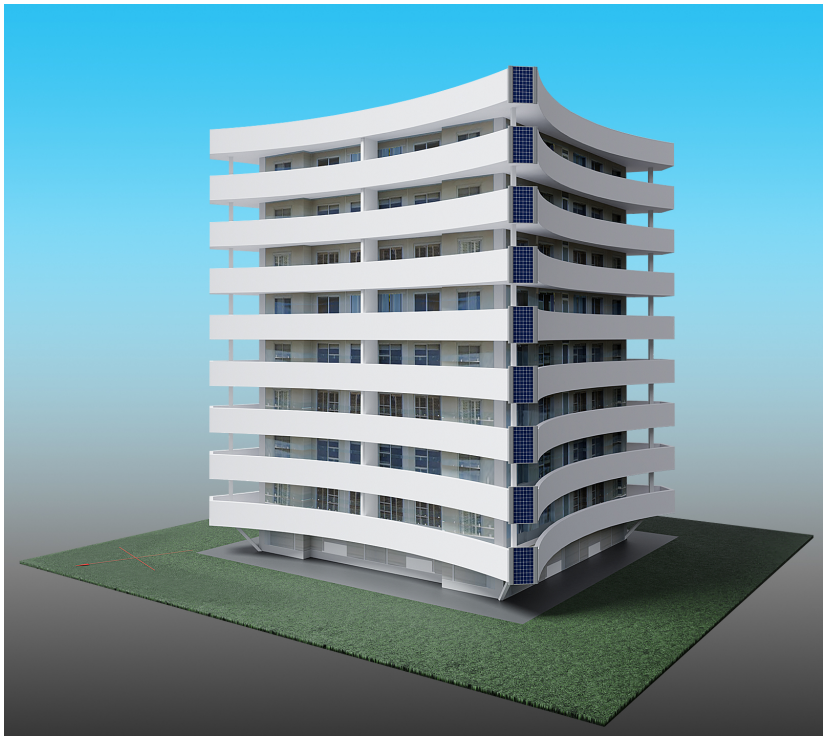
UNDER PROPOSAL

Manly NSW High-Rise



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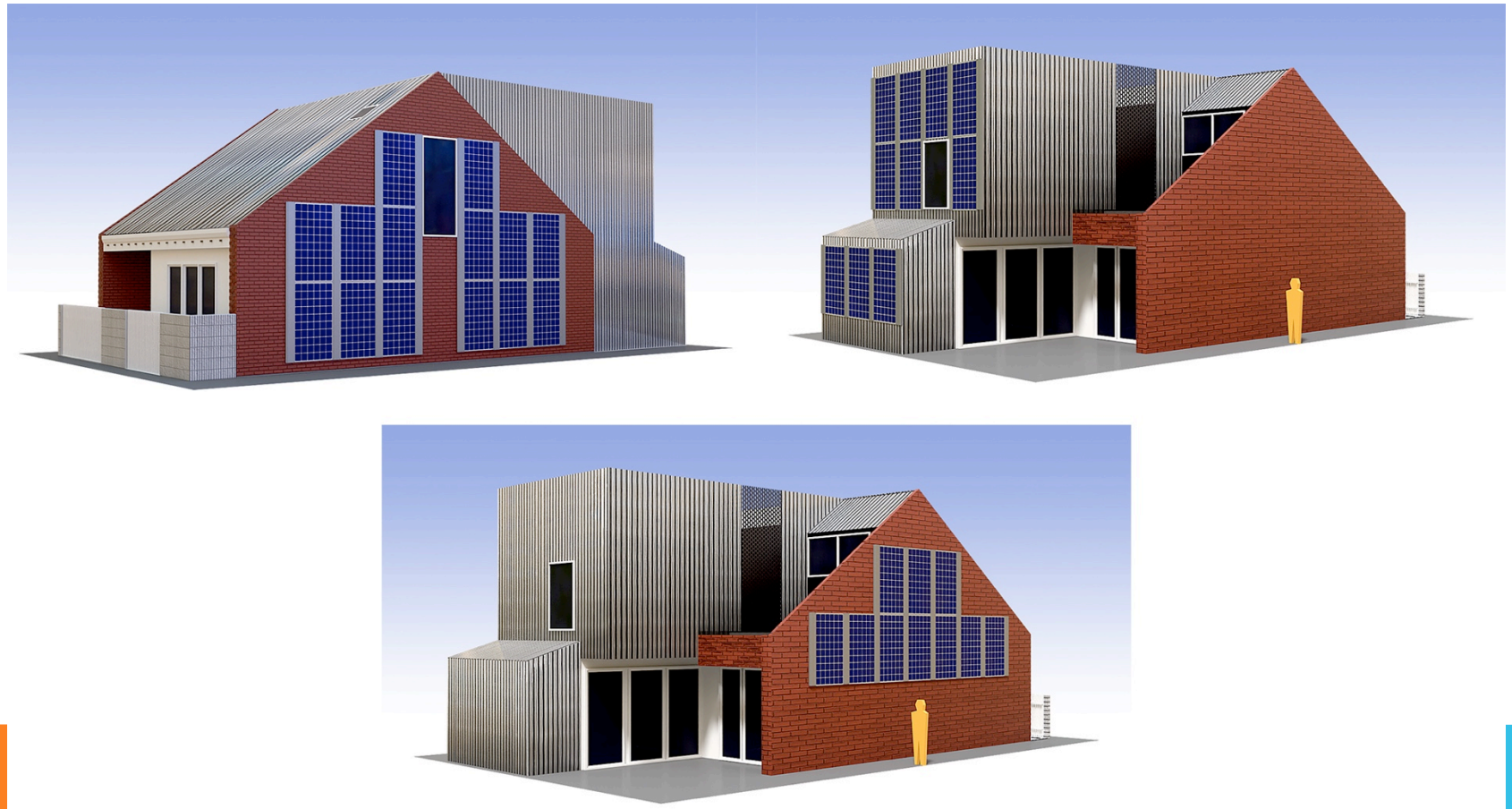
UNDER PROPOSAL

South Australian Low-Rise



POTENTIAL MARKETS

Residential High Rise Buildings

Commercial Office Towers

Green Property Development Companies

Government Departments

Government Municipal Councils

Shopping Malls

Low Rise Buildings

Business and Office Developments

Industrial Buildings

Data Centres

Universities/Colleges/Schools

COMPETITION

There is no effective global Solution or competition.

Our **Integrated Vertical Solar System** and capabilities are unique in the global market and we have spent a significant amount of time and funds on Research and Development and Intellectual Property Patents.

THE BUSINESS PLAN

1. Raise the required Equity Capital for all of the business running costs and operational expenses.
2. Locate and setup an appropriate factory unit.
3. Pay for the Die Casting Molds required to mass produce our extruded non-combustible aluminium modular sections as per our patent specifications and designs.
4. Pay for the ongoing Intellectual Property Patents and also for additional filings in other European Countries.
5. Contact appropriate Government Departments and Councils to introduce ourselves and provide information about our new products and capabilities. Governments in both Australia and the UK are actively assisting the transition to renewable energy solutions and away from fossil fuels, the high costs of main-grid electricity and global warming, which are all front of mind.

   The 'Australian Green Building Council' recommends that onsite renewable energy sources should be prioritised and should be pursued by building developers, owners and occupiers where feasible.

   We will also be eligible for ongoing Government Grants.

6. Contact Property Development Companies (there are numerous that promote 'Green' and 'Sustainable Developments') to introduce ourselves and provide information about our new products and capabilities.
7. Contact Architects to introduce ourselves and provide information about our new products and capabilities.

THE BUSINESS PLAN

8. Attend appropriate European Trade Shows and Exhibitions to present and display our new 'Integrated Vertical Solar System'

We have been accepted and allocated a booth at the 'Intersolar Europe 2024 Trade show and exhibition (Munich Germany 19-21st June) where the objective is to increase the share of solar power in the energy supply. Uniting over 50,000 of the most prestigious company owners and stakeholders, it has become the most important trade show in the world for solar power.

9. Potential IPO – I have attached a letter from 2019 Deloitte Financial (Energy Transition & Renewables) partner John O' Brien, offering help when ready for a major capital raising. (Letter attached)

A fairly recent case in point is an Australian Startup Company called 'ClearVue' who are listed on the Australian stock exchange (ASX) who raised AUD5M with their IPO. Their product and technology is a glass panel with a PV solar film within the glass. The severe limitations of their product is that the glass panels can only be installed in new buildings and most importantly they only achieve a PV solar efficiency of 9.8% which is less than half that of a conventional solar roof panel which we utilize in our 'Integrated Vertical Solar System'.

Therefore the question is what is our potential with an IPO?

OPERATIONAL BUSINESS EXPENSES

The capital raised by way of Equity Capital will be used for the following business expenses:

1.	Factory Unit setup and purchase of factory machinery, equipment and tools.	[Approx. $50,000]
	Factory running costs: Ongoing rent, skilled builder, electricity, insurance etc.	[Approx. $100,000 PA]
2.	Cost of Die Casting Molds for product mass production.	[Approx. $50,000]
3.	Extrusion Mass production costs: extrusion contract manufacturing costs for mass production of the initial product stock.	[Approx. $40,000]
4.	Intellectual Property Patent filings: which is critical in maintaining our first global market mover advantage.	[Approx. $120,000 in Attorney fees over 2 years]
5.	European Trade Shows and Exhibitions	[Approx. $40,000 PA]
6.	Managing Director Salary: Mark Jack Lyons	[Approx. $100,000 PA]

Total $500,000

EQUITY CAPITAL PROPOSAL

As per the calculated business setup and operational running costs required to ensure our business success until profitability as approx.

$500,000

Australian Company shares in Innovative Technologies Pty Ltd targeting the Australian and Asian Market. [excluding the European market]

10% shareholding for $500,000

Up to a maximum of 30% Shareholding for $1,500,000

FINANCIAL PROJECTIONS

Initial Financial Projections Summary
Example Per Installation – One Vertical Column Only (10 Storey Building)

Product Manufacture Cost	**Product to Customer Cost** Per Sq. Metre (+100%)	**Decorative Colour** Black/Metallic/ Wood Grain	**Product Profit** Per Sq. Metre (+100%)	**Project Quantity** Per Sq. Metre x 100	**Net Profit**	**Our Project Management Fee**
Connector Channel System	**Au$100**		**Au$50**	**Au$5,000**	**Au$5,000**	**Total Project Management** **1. Connector Channel Installation.** **2. Solar Panels Installations** **3. Electrical Contractors** ***Au$1500**
Section A/B/C/D						
Total Connector Channel System Per Sq. Metre Approx. Au$50						
Plus Decorative Colour on Section B Per Sq.Metre Au$50		Au$100	Au$50	Au$5,000	Au$5,000	
Total = Au$100		**Total = Au$200**	Au$100		**Total Net Profit Au$10,000**	**Total Net Profit Au$11,500**

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FINANCIAL PROJECTIONS

Multiple Vertical Columns Per Building

Total Building Columns Per Building *10 Story	Total Net Profit	Total Building Columns Per Building *20 Story	Total Net Profit
One Vertical Column	***Au$10,000**	**One Vertical Column**	***Au$20,000**
Two Vertical Columns	$20,000	Two Vertical Columns	$40,000
Three Vertical Columns	$30,000	Three Vertical Columns	$60,000
Four Vertical Columns	$40,000	Four Vertical Columns	$80,000
Five Vertical Columns	$50,000	Five Vertical Columns	$100,000
Six Vertical Columns	$60,000	Six Vertical Columns	$120,000
Seven Vertical Columns	$70,000	Seven Vertical Columns	$140,000
Eight Vertical Columns	$80,000	Eight Vertical Columns	$160,000
Nine Vertical Columns	$90,000	Nine Vertical Columns	$180,000
Ten Vertical Columns	$100,000	Ten Vertical Columns	$200,000
Eleven Vertical Columns	$110,000	Eleven Vertical Columns	$220,000
Twelve Vertical Columns	$120,000	Twelve Vertical Columns	$240,000

Battery Storage Units	Every Residential Unit/apartment or Business Office may require its own Battery Storage Unit. Potential for our own brand of Battery Storage Units [Superbright Battery Power Units]
Certified Solar Panels	Purchasing, handling and installation of selected PV Solar Panels. Potential for additional commission.

BUSINESS INTEREST

We have received substantial business interest.

Details are included in our latest IM – four examples included.

Kogan Derrick <Purchase@koenig-bauercom.nl> Wed, Jan 10, 2024 at 6:46 PM
To: "info@solar-shutters.com.au" <info@solar-shutters.com.au>

Greetings,

I am Kogan Derrick, and we have taken notice of your products.

In order to progress, we request that you provide us with your product catalog and pertinent product certificates. This will aid us in comprehensively grasping your array of products and guaranteeing their alignment with our elevated quality benchmarks.

We eagerly await your reply and are sincerely enthusiastic about the potential of partnering with you on this captivating endeavor.

Warm regards,

Kogan Derrick
purchase@koenig-bauercom.nl
3b1, Coenecoop, 2741 PG Waddinxveen,
Netherlands.
+31 10 512 6852 (Ext 032)
KOENIG & BAUER

BUSINESS INTEREST

We have received substantial business interest.

Details are included in our latest IM – four examples included.

Greetings from WeTex Global Srl,

I am Mr. Roland Pablo, the Export Manager in WeTex Global Srl Belgium. We have been contracted to supply Fiber Optic Cables, Transformers, Batteries, Solar Panels etc. in large quantities (TOGOCEL MEGA PROJECT). We got your company details online, and we equally believe that your company's products suit our demands and we hope to align with you especially with the availability of your product. Having a view of your Brochure, Product e-Catalog, Pricing Details and Availability will interest us.

Kindly confirm if you have any sales point in Belgium and your best condition which works for your company. Above all we want to know your delivery condition, payment terms and discount availability.

For easier communication, WhatsApp is advisable. We look forward to hearing from you.

Thanking you,

Best Regards

Pablo Roland
Export Manager

WETEX GLOBAL Srl

WeTex Global Srl
Rue Neuve 98, 1000 Bruxelles, Belgium
Phone: +32 800 33 899
Email: pablo.roland@wetexglobal.com

BUSINESS INTEREST

We have received substantial business interest.

Details are included in our latest IM – four examples included.

Subject: RE: Game Changing Vertical Solar

Hi Jack,

Thanks for getting in touch. It looks like you have some great products there.

Firstly, I'd like to introduce you to Patrick Mooney who runs an excellent program called the Australian Technologies Competition, that works with the best growing tech companies to connect them with partners and investors. Entries for 2019 will open soon and I would thoroughly recommend it.

The operations of Australian CleanTech were acquired by Deloitte in 2018 and the fund raising work that we now do is usually for companies to seeking $10m or more so this will probably not fit for you.

Hopefully the ATC assists in your growth and feel free to let me know if you are ready for a major capital raising.

Kind regards
John

John O'Brien
Partner

Energy Transition & Renewables
Deloitte Financial Advisory Pty Ltd
Level 17, 11 Waymouth Street, Adelaide, SA 5000, Australia
johnobrien@deloitte.com.au | www.deloitte.com.au

BUSINESS INTEREST

We have received substantial business interest.

Details are included in our latest IM – four examples included.

Our reference: MN03160-2024

11 April 2024

Queensland Government

Department of
Housing, Local Government, Planning and Public Works

Mr Jack Lyons
Innovative Technologies Pty Ltd
info@solar-shutters.com.au

Dear Mr Lyons

Thank you for your email of 11 March 2024 to the Honourable Meaghan Scanlon MP, Minister for Housing, Local Government and Planning and Minister for Public Works, regarding your product, vertical integrated solar systems for buildings. Your correspondence has been referred to the department for attention.

The Queensland Government through its Queensland Energy and Jobs Plan has committed to transforming Queensland's energy system to deliver clean, reliable and affordable energy. Businesses such as yours will help deliver this commitment, however, as a government department, we are not able to endorse specific products.

You may be interested in the residential energy efficiency changes due to commence on 1 May 2024 in Queensland. From this date, new class 2 buildings will be assessed against a whole of home energy budget that promotes energy efficient appliances and equipment (including air-conditioners, hot water heaters and lighting) and on-site renewable energy e.g. solar photovoltaic systems. Your product would be considered as part of this rating if installed in a new class 2 building.

More information about Queensland's building laws and codes is available at: Building laws and codes | Business Queensland.

Thank you for your contribution towards Queensland's renewable and sustainable future. If you need further information, Lindsay Walker, Director, Building Policy can be contacted on mobile 0448 950 163 or by email at lindsay.walker@epw.qld.gov.au.

Yours sincerely

Ainslie Barron
Assistant Director-General
Building Policy

GPO Box 2457 Brisbane
Queensland 4001 Australia

CONTACT

Innovative Technologies Pty Ltd

ABN 24 161 139653

Registered Office Australia:

Level 2, The Waverley

79-85 Oxford Street

Bondi Junction, NSW 2022 Australia

Contact: Jack Lyons

Phone: 0475 556 319

Email: info@solar-shutters.com.au

Website: www.superbrightsolar.com

Registered Office United Kingdom:

INNOVATIVE SOLAR TECHNOLOGIES LTD

Company Number 15185978

Meta Worms Court, No.78

Harmony Close

London

NW11OJJ

AUSTRALIAN MADE

"Patent Pending"