

ENTERPRISE SINGAPORE (ESG)

Enterprise Singapore is the government agency building enterprise capabilities and innovation capacities, transforming industries, and facilitating access to global market opportunities. We strive to develop Singapore into a leading global trading hub and a vibrant start-up hub.

We attract global commodities traders to establish their global or Asian home base in Singapore. Today, Singapore is a thriving trading hub with a complete ecosystem for the energy, agri-commodities and metals & minerals trading clusters. We are also home to many global enterprises, start-ups and investors who operate in Singapore's robust pro-enterprise environment.

Renowned for our dedication to quality and innovation, Singapore companies make ideal business partners. With our global network in over 35 locations spanning many developed and emerging markets, we connect businesses with relevant Singapore companies for their business expansion.

Energy Track Business Delegation

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Energy Track Delegates

BATTERY ASIA (S) PTE LTD



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Company Profile:

Established back in Jan 2008, BAS has since grown its business to the regional market, achieving annual sales turnovers of more than S\$19 Million in 2017.



Since its incubation, BAS has obtained distributorship for key recognized brands (TAB, Hitachi, BHS and Bolzoni) in the industry – It is BAS's vision to always keep ahead of latest technologies in order to better serve its customers.

Objective of mission:

We hope to acquire in-depth knowledge of new developments in the energy sector as well as to network with the delegation.

We intend to source for the latest technologies, e.g. lithium ion solutions, solar applications etc. to distribute regionally across Asia.

Representatives:

	<p>Mr Richard Thay Director Email: richardthay@batteryasia.com.sg Office Tel: +65 6316 3661</p>
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DURALITE POWER PTE LTD

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Company Profile:

Duralite Power's core business is in the development and application of hydrogen fuel cells. Its core products revolve around its high-powered and lightweight fuel cells. Several projects that Duralite Power have worked, and are currently working on are:

- Soldier portable power with on-demand hydrogen generation
- Low power uninterruptable power supply system for elevators
- Fuel cell powered personal mobility devices
- Fuel cell powered multi-rotor UAVs for extended flight time
- Customized fuel cell design

Objective of mission:

- To better understand the European fuel cell market and applications
- To look for companies/research institutes that would like to adopt fuel cell technology to act as potential collaborators across all types of applications
- Sourcing for technical testing services (e.g. fuel cell lifetime testing, environmental chamber testing)
- Sourcing for high-end fuel cell components (membrane electrode assembly, gas diffusion layer, and non-gold alternative metallic coating to reduce contact resistance and provide corrosion resistance)

Representatives:

A small, square, black and white portrait of a man with dark hair and glasses, wearing a dark shirt.	<p>Mr LING Chun Yu General Manager Email: chunyu@duralitepower.com Office Tel: +65 9851 9630</p>
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Company Profile:

EverComm is a Singapore-based AI-driven energy analytic startup founded by NTU graduates. We are pushing the boundaries of innovation by defining and applying the “Bits to Dollars” concept— A digital approach to identify, achieve and scale energy efficiency best practices across various industries.

In less than 3 years, EverComm has successfully commercialized cutting-edge big data research supported by Energy Market Authority (EMA) and National Research Foundation (NRF). We are also recognized as one of the pertinent examples of what the Committee on the Future Economy (CFE) is trying to achieve for Singapore’s future.

The core of our product is focused on using IoT and machine learning technologies to simplify energy complexity, and provide management a simple tool to manage their energy efficiency. Achieving energy efficiency through improving the efficiency of the equipments (HVAC, Manufacturing Tools, Server), processes and operation. Co-developed a new scalable energy framework with Energy Research Institute at NTU that can be applied to any industry such as commercial buildings, industrial manufacturing, data centre, and smart cities. Based on this framework, EverComm integrated IoT with machine learnings to develop Energy AI Assistant— A new technology created to identify hidden energy wastage in seconds and optimize thousands of equipment’s energy usage in real-time across different environment and scales.

Objective of mission:

- 1) To be updated and learn about the state of art technologies and development trends in energy
- 2) Enhance advance process engineering/optimisation and renewable related technology for adoption by Singapore companies
- 3) Foster partnerships between German equipment makers and analytics companies and Singapore software and system integration companies to target the Asian market for end-to-end solutions

As EverComm's core market is the manufacturing industry in Asia, and continues to looking at opportunity to enter Germany's manufacturing industry. We are exploring for collaboration opportunities with local Automotive and Manufacturing partners who are interested in expanding in Germany and Asia’s market.

Representatives:

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Company Profile:

Gashub aims to become an integrated LNG green solution provider and embedded power generation (cogeneration and trigeneration) in Singapore and Asia Pacific. GasHub has been specialising in the design and installation work of gas pipe engineering work. As a transformation of our business into the new era, we are entering the LNG space to provide both cleaner gas and cleaner energy.



Our solution will not be limited by access of natural gas pipeline as we will be providing a natural gas supply chain, “virtual pipeline”, solution using LNG.

Objective of mission:

We want to explore and look for Clean Energy technology partners that can enhance our position as a clean energy solution provider in Singapore and the Asia Pacific market.

This includes companies with natural gas solutions that are complementary to our LNG business, as well as technology partners in the fuel cell space.

Representatives:

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GENPLUS PTE LTD

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Company Profile:

Genplus is a Singapore based company focusing on Energy Storage System for Renewable Energy and grid system. Genplus' strength lies on our ability to innovate, design and deliver customized system to our customers in the shortest possible time.



Genplus product includes Li-Ion Battery Storage System, Lead Carbon Battery Storage System, Battery Management System

Objective of mission:

To update, explore new technologies and development trends in the energy sectors and energy storage systems.

To seek partnership and collaboration with companies in the area of battery and power system technologies particularly in areas for renewable energy and smart grid application.

Representatives:

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Company Profile:

Founded on the core principles of customer-centricity and empowerment, Red Dot Power, a disruptor in the Singapore energy market was born. We are a new-age energy solutions provider that believes in empowering our customers to take charge of their energy usage. This fundamental belief is what drives our vision: **Empowering People, Powering up Communities.**

Through our new age energy management process, we seek to change the way energy is consumed by going one step further – encouraging you to use less. All retailers want customers to consume more, but we believe in going against the grain. We put your needs at the heart of everything we do, hence shaping the future of energy through customer-centric energy solutions.

We know that 'off-the-shelf' energy consumption plans are not always the way to go. Instead, we start by getting to know you and your usage behaviour to optimise the best fit plan for you. Your needs will shape how we draw on our expertise in energy retail, supply and demand management services – to help you extract more value from every energy dollar.

In all that we do, we embrace the core values of Integrity, Honesty and Innovation, for they are a daily reminder that placing customers first is something that is non-negotiable.

Red Dot Power

New Age Energy: Where Less Is More

Objective of mission:

To explore new energy technologies that will deliver more energy value to our customers while lowering their carbon footprint. Search for potential technology and/or strategic partners whose Asian growth strategy is aligned with ours.

Areas of interest include: Vehicle-to-Grid solutions, Smart grid controls and operations, DC grids, Smart multi energy systems at commercial building/district level (e.g. electricity, heat, cooling, gas), Grid and microgrid scale energy storage systems, and Micro wind turbines.

Representatives:

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Company Profile:

Sembcorp Industries is a leading energy, water, marine and urban development group with operations across five continents worldwide. With facilities of around 11,000 megawatts of gross power capacity and close to 9 million cubic metres of water per day in operation and under development, Sembcorp is a trusted provider of essential energy and water solutions to both industrial and municipal customers. It is also a world leader in offshore and marine engineering, as well as an established brand name in urban development.


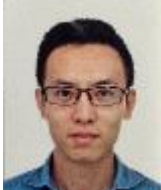
Objective of mission:

We are looking for new ways to improve how we operate our power, water and renewable businesses. We seek differentiating technologies that help us win in the market.

Our areas of interest include, but not limited to:

- 1) Technologies to improve efficiency and reliability of power plants and renewables like solar and wind
- 2) Distributed energy, microgrid, and energy storage solutions
- 3) Digitalization and AI applications on power and renewable plant operation improvement

Representatives:

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SINGAPORE SAFETY GLASS PTE LTD



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Company Profile:

Singapore Safety Glass (SSG) is a glass fabricating company incorporated in 1989 with the mission to provide the best trusted glass solutions to local and international markets by fabricating high-quality architectural glass products. We have sought to apply cutting-edge technology coupled with solid research and development (R&D) efforts, to create unique 'smart glass' products. To-date, we have a portfolio of more than 30 product types, and have more than 1,300 projects in over 20 countries. In light of increasing demand, SSG has established our subsidiary in Malaysia (SSG Safety Glass Sdn Bhd) to support our core line of fabricated products.

With the increasing focus on green buildings, we also have a range of products under the 'Eco' category that will be able to greatly contribute to Green Mark certification and achieve good ETTV (Envelope Thermal Transfer Value).

Objective of mission:

To understand more about market developments and plans in Germany.
To find new technologies and products related to the global glass trade, e.g. technologies that are used to manufacture glass or special types of glass for consumers.
To seek out innovative technology that can enhance our glass manufacturing process, modernise and overcome factory issues, resolve space constraints, and develop new products for the future.

Representatives:

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SP CAPITAL LTD



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Company Profile

SP Group is a leading energy utility company in Asia Pacific. SP Group owns and operates electricity and gas transmission and distribution businesses in Singapore and Australia. It also owns and operates the world's largest underground district cooling network in Singapore, and is setting up district cooling operations in China.

SP Centre of Excellence (SP CoE) is a wholly owned subsidiary of SP Group. It was established to drive innovation and commercialisation of next-generation energy network technologies for the greater reliability, efficiency and sustainability of Singapore's energy network infrastructure.

Objective of mission

- 1) To be updated and learn about the state of art technologies and development trends in energy industry
- 2) Visit Hannover Messe Integrated Energy show to develop partnership and collaboration opportunities
- 3) Foster partnerships between German/International deep tech companies to target the Asian market

Representatives:

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Company Profile:

Sunseap Group is the leading solar energy system developer, owner and operator in Singapore. It operates through three key units: Sunseap Leasing, Sunseap International and Sunseap Energy. Sunseap Leasing is the first and largest solar leasing company in Singapore. Sunseap International targets markets in the South East Asian and Pacific regions. These include a 140 MegaWatt-peak (MWp) solar farm in India and a 10 MWp solar farm in Cambodia. Sunseap Energy provides clean energy solutions utilising off-site arrangements by drawing on solar systems within the Group’s portfolio of distributed generation assets. A notable client is Apple, which recently signed an agreement with Sunseap to procure 100% of its local energy requirements from renewable sources.

Objective of mission:

- 1) To understand if there is a block chain company that has commercial peer to peer transactions in Europe and to understand applications as we have a few ideas and contacts on implementing blockchain for clean energy transactions in Asia (i.e. carbon trading, microgrid, selling to consumer homes from commercial solar etc).
- 2) To meet a company with competitive energy storage costs and solutions for frequency regulation or handling issues with grids that have too much renewable power. We are also keen on battery EMS that are smart to arbitrage time of day/use price deltas.
- 3) Low cost intelligent metering for block chain and solar applications especially distributed rooftops
- 4) Solar O&M companies with >20MW track record and are keen to expand and invest in Asia
- 5) To meet finance entities and / or companies willing to fund Asia solar projects on debt (long term > 12 years) and equity
- 6) Any technology that can increase the returns of a solar project without additional costs that impact returns
- 7) To meet any companies keen to raise financing for their technology, products, platform or services

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