

# Exclusive From Malaysia

ADVANCING BEYOND BOUNDARIES  
ISSUE #012

# EFM

E-MAGAZINE



# THE GREEN DEAL

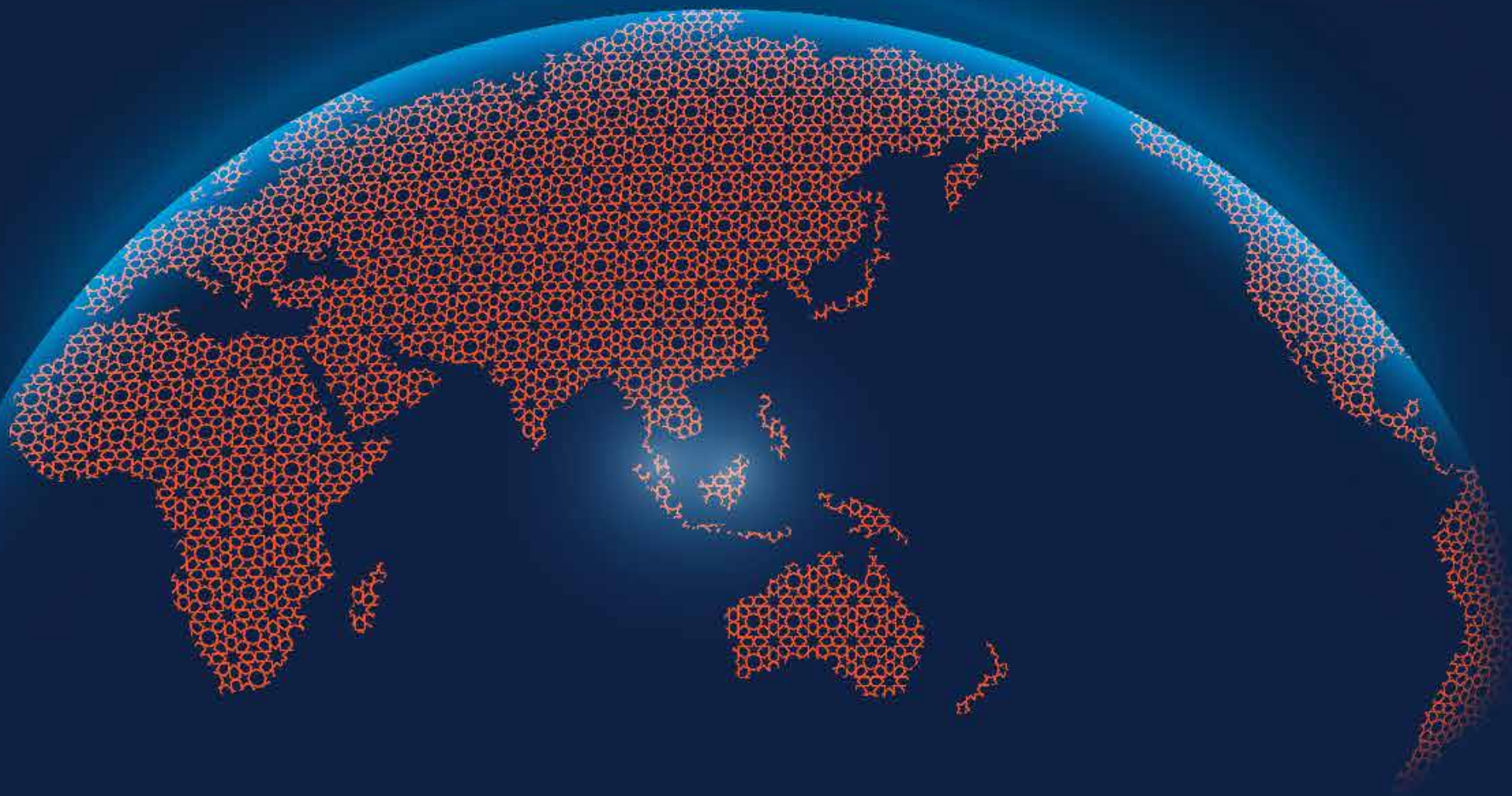
EMBRACING SUSTAINABILITY  
WITH INNOVATIVE PRODUCTS & SERVICES





# 18<sup>th</sup> Malaysia International Halal Showcase

Hybrid Edition | 7-10 September 2022 | MITEC, KL



## Diversifying Halal Possibilities



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# CHAIRMAN'S ADDRESS



On behalf of MATRADE's board of directors and staff, I would like to extend a warm welcome and greetings to our dear readers. As Malaysia's national trade promotion agency under the Ministry of International Trade & Industry, we aim to connect Malaysian suppliers, manufacturers and service providers to international buyers looking to source products and services.

As we witness the enormous wave of world climate change, we can never divert from acknowledging that economic growth has somewhat negatively impacted the atmosphere. Today, the world is more sensitised about the environmental effects and the footprints of their consumption.

Moving forward and becoming more environmentally conscious, many initiatives have been launched to ensure trade stability, and one of them is in relation to sustainability agenda through MATRADE's SAVE Programme. The plan is to adopt sustainability and agile practices aligned with the 17 United Nations' Sustainable Development Goals (SDGs) 2030 to assist Malaysian exporters in strategic foreign market access.

This issue of EFM is on sustainability, which has accentuated our homegrown businesses that have successfully applied the three pillars of sustainability - environmental, social and governance as their core or best practices. These practices enhance the companies' ability to exist and grow while looking to protect our natural environment, human and ecological health, driving innovation and improving standards of living.

Also featured here are companies that envision achieving the mandated level of sustainability in their production for safer trade. As a result, their products are readily exported and, most importantly, aligned with the sustainability agenda.

With the increasing global demand for more access to sustainable and environmentally friendly products and services, Malaysia is an excellent choice for you to explore trade prospects.

Choose Malaysia as your preferred business partner!

**Tan Sri Dr Halim Mohammad**  
Chairman of MATRADE

# CEO'S NOTE



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Exclusive From Malaysia (EFM) is a publication by the Malaysia External Trade Development Corporation (MATRADE) to introduce Malaysian companies to foreign importers. This e-magazine is a testament to MATRADE's dedication to providing information on reputable Malaysian products and services.

The tagline, "Advancing Beyond Boundaries", reflects the zeal of Malaysian suppliers to transcend boundaries and their commitments to forming a win-win partnership with global clients.

This time, we highlight 23 companies with a global market presence, each of which emphasises sustainability as a driving force for business growth and branding.

The featured companies have demonstrated their commitment and care toward environmental, social and governance criteria. Hence they can offer sustainability-driven or energy-efficient products and provide green technology solutions, in line with making our future a more conducive living and working space.

We are confident this edition provides invaluable information with promising business opportunities, and we urge you to contact Malaysia's globally competitive and renowned suppliers to elevate your international business.

Thank you.

**Datuk Mohd Mustafa Abdul Aziz**

Chief Executive Officer

Malaysia External Trade Development Corporation (MATRADE)

**Exclusive From Malaysia**



ADVANCING BEYOND BOUNDARIES



EFM is an exclusive quarterly e-magazine, showcasing world-class Malaysian services and quality products. It is a reference for global partners and buyers who seek to extend their sourcing needs, thus elevating their business potential.

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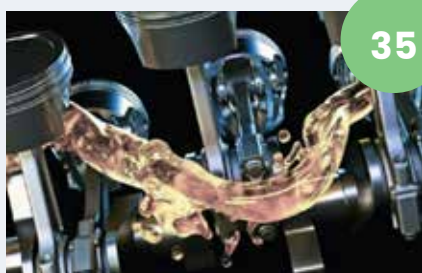
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# MOVING FORWARD INTO THE SUSTAINABILITY SPHERE

Embracing sustainability creates competitive advantages and new market opportunities



**Being sustainability conscious is no longer a cost of conducting business; it is a catalyst for innovation, new market opportunities and generating assets**

## INTERNATIONAL PERSPECTIVE

International policies, pressure from stakeholders, and rising consumer expectations have pushed the world to embrace sustainability. Global communities are becoming increasingly aware and emotionally engaged in issues such as the environment, packaging materials, and e-commerce. Companies and brands have to operate in a constrained environment with their Global Value Chain (GVC) coming under scrutiny. Global buyers are moving their purchasing preferences to products and services that reflect strong environmental and social standards.

## MALAYSIAN GOVERNMENT

Malaysia is committed to sustainability and managing climate change by incorporating this agenda in various masterplans and roadmaps, including the Twelfth Malaysia Plan (2021-2025). This 5-year national plan is designed for socio-economic progress by ensuring inclusion, social cohesion and improved general well-being.

Malaysia is pursuing green development to become a carbon-neutral future. The successful implementation of the Twelfth Malaysia Plan will contribute to the 2030 Agenda for Sustainable Development.

As a manifestation of our commitment in embracing sustainability, the National Trade Blueprint 2021-2025 (NTBp) was formulated with one of its key pillars focusing on adopting sustainable economic practices among Malaysian businesses.

In addition to NTBp, there are also other initiatives introduced by the government namely the Shared Prosperity Vision 2030, SDG Roadmap Phase 2 (2021 – 2025) and Zero Single-Use Plastic Roadmap (2018 – 2030). The government has long recognised the importance of sustainability in addressing issues related to Environmental, Social and Governance (ESG) that will ultimately enhance competitiveness and ensure business continuity of exporters.

To further strengthen the sustainability agenda for Malaysia's economy and trade, MATRADE has embarked on an initiative known as Sustainability Action Values (SAVE), a Corporate Shared Values Programme that engages exporters to embrace the best practices of sustainability. Through this initiative, three strategies were introduced, namely the thought leadership initiatives, identifying key stakeholders' issues, concerns, and expectations as well as establishing a framework of action.

MATRADE is actively collaborating with industry experts and government agencies to provide comprehensive solutions for exporters, such as access to finance, training, ESG certification and other services.

The Government of Malaysia is placing greater emphasis on developing the green economy, which will present many new opportunities for business. Its role as a major trading nation has motivated companies to adopt sustainable business practices.

As an exporter to over 200 countries, Malaysia is among the key players in global trade.

Sustainability has become a trending topic in recent years, as more businesses strive to adopt environmentally-friendly practices. This pressure is coming not only from consumers and clients but also from the government, which has enacted regulations to promote environmental stewardship. In response, many companies have implemented sustainability initiatives, such as reducing energy consumption, using recycled materials, investing in renewable energy and adopting good practices.

Further, Malaysian companies have complied with international sustainability standards to tap into new markets. By doing so, they are able to better compete with their global counterparts, particularly their commitment towards the ESG agenda.

Malaysia offers a wide array of products and services that meet international standards and requirements. Sound policies and facilitation, as well as advisory services, are in place to ensure exporters are well equipped with information and adequate knowledge to stay relevant and competitive internationally. In addition, the country has a robust legal and regulatory framework that provides the necessary support for businesses to operate sustainably alongside various incentives.

Malaysian companies have been obtaining sustainable achievements in a variety of ways. Many have received certifications and won awards for their sustainability practices. This Exclusive From Malaysia (EFM) edition showcases companies that adhere to the sustainability agenda in green technology, E&E, lifestyle products and more.



# ECO BREEZE TECHNOLOGIES: EXPECT MORE FROM YOUR AIR-MOVING SOLUTIONS



**Exhaust Fan**  
The only one in market with colour combination

8"/10"/12"

ecobreeze exhaust fan

- metal casing
- eco motor
- high air delivery
- aesthetic colour



**Eco Breeze Technologies was set up by a group of fan specialists from various sectors in the industry.**

**BACKED** by over 30 years of professional knowledge in fan manufacturing and design skills, Eco Breeze Technologies is today a one-stop service provider for injection moulding, metal stamping, product assembly, R&D, sales and marketing.

## **GROWING EXPORT MARKETS**

It manufactures, sells, services and markets air moving equipment, ventilation fan products and business solutions.

The company's products are sold locally and exported under its in-house brand, Eco Breeze, and OEM brands.

Its overseas markets are Brunei, Cambodia, Hong Kong, Indonesia, Jordan, Myanmar, Singapore, South Africa, the Middle East, the Philippines, the United Kingdom and Vietnam.

## **ECO-FRIENDLY & ENERGY-SAVING**

Eco Breeze Technologies' core products are air moving equipment and ventilation fan that emphasise eco-friendly and energy-saving concepts.

They include ceiling fans, air circulator fans, ventilation fans, stand fans, wall fans, table fans, HVLS fans and air coolers. The only exhaust fan in the market currently comes with colour combinations is the Eco Breeze's wall-mounted exhaust or ventilation fan capable of high air delivery.



**Air circulator helps kill bacteria and viruses**

### **BACTERIA & VIRUSES BUSTERS**

Eco Breeze air circulators feature technologies that help keep air quality clean. They distribute indoor air evenly, kill bacteria and viruses, enable low ceiling installation and save monthly electricity bills.

These products include ceiling air circulator with ioniser and nano-photocatalysis technology for disinfection.

### **PRODUCT & BUSINESS SUSTAINABILITY**

Eco Breeze Technologies continuous improvement in design to uphold its product's energy-saving features is one of the key points to its sustainability agenda, which addresses customers' well being.

It also carries out continuous cost reduction measures to minimise the material costs, ensuring reasonable selling prices and upgrade human resource skills in R&D to produce stronger design team.

As for sustainability in exports, product quality and meeting delivery lead times are important criteria that the company emphasises.

### **HIGH QUALITY & SAFETY STANDARDS**

Eco Breeze Technologies ensures that its products are high quality and meet international safety standards without fail.

The company's "4M Method", the "Man, Machine, Material and Management Method", has enabled it to sustain its business operations, particularly during the COVID-19 pandemic.

As part of business expansion with plans to venture into new markets and industries, Eco Breeze Technologies has started to diversify its product range for the housing and home appliances sectors.

### **ACHIEVEMENTS & CERTIFICATIONS**

- ▶ Product Safety Platinum Award 2021 organised by Suruhanjaya Tenaga Malaysia (Energy Commission)
- ▶ Golden Bull Award – SME Best Business Achievement 2018
- ▶ SOBA Award 2018 – Outstanding Business Award organised by The Star



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# iHANDAL: SUSTAINABLE ENERGY SAVING SOLUTIONS



Energy efficiency specialist iHandal has a proven track record in reducing heating and cooling costs by 60%–90%.

**iHANDAL ENERGY SOLUTIONS** is a turnkey energy efficiency thermal solutions provider that has created energy-saving solutions across hospitality, healthcare, housing, and manufacturing.

It has completed over 150 projects in more than 13 countries, including Singapore, Vietnam, Australia, India, New Zealand, Sri Lanka, Sweden and the United States.

## RECYCLING WASTED HEAT

iHandal develops and manufactures energy-efficient thermal solutions that help clients recycle wasted heat. Here's how: iHandal identifies, recovers and repurposes wasted heat into operations or processes. It has three main types of products.

Two are physical solutions, both using iHandal's proprietary Heatfuse technology, comprising the Heat to Heat solution and Heat to Cool solution. The third product is analytics or AI energy management solution to serve as a last-mile solution to manage energy more effectively, particularly for commercial and industrial buildings.

## PROVEN TRACK RECORD

Being in the energy efficiency space, sustainability is in iHandal's DNA as its solutions help clients meet their sustainability and carbon dioxide reduction targets.



Heat to Cool solution

iHandal has dedicated itself to a target of 200 million tonnes of carbon emission reductions annually by 2030 through its solutions deployed globally.

Today, Malaysia's annual carbon emission stands at 272.61 million tonnes. iHandal aims to make Malaysia carbon neutral through its global impact.

## GREEN REFRIGERANTS

As part of iHandal's commitment to sustainability, it has a range of solutions that use environmentally friendly refrigerants with low global warming potential (GWP) and ozone-depleting potential (ODP).

To date, iHandal has successfully reduced 350,000 tonnes of carbon emission annually, which it expects to grow exponentially over the next 5 to 10 years.

## ZERO INVESTMENT & GUARANTEED SAVINGS

iHandal believes in having accessible solutions and is a market pioneer in this zero investment and guaranteed savings solution aligned with Goal 7 of the UN's Sustainable Development Goals initiative.

An average of a  
**70-90%** drop in  
energy operational  
costs

We can help you

Reduce thermal  
energy  
consumption  
by **75%**



Reduce your  
carbon emissions  
by **50-70%**



Successfully completed project at Ritz Carlton, Singapore

The savings solution requires no upfront cost to iHandal's clients. Instead, it is purchased on a successful basis or through an Energy Performance Contract or Shared Savings model whereby iHandal is repaid through the clients' savings over a long-term contract.

As for human resource development, iHandal is committed to upskilling its employees through mentorship, hands-on learning and external programmes to build long-term career with the company.

## ACHIEVEMENTS & CERTIFICATIONS

- ▶ The Energy Development Corporation- Endeavour's Open Innovation Programme (2022)
- ▶ The Clean Fight Incubator NYC (2020)
- ▶ Forbes 30 under 30 (2019) - Asia - Industry, Manufacturing and Energy
- ▶ EY Entrepreneur of the Year 2018 (Malaysia) - Emerging Markets
- ▶ ISO 14001:2015
- ▶ ISO 9001:2015
- ▶ DQS GC-Mark - Verified Green Product



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# IRA NOAH: EATING HEALTHILY AND SUSTAINABLY ALL AT ONCE



100% plant-based meat is suitable for all types of cuisines

*Aiming to bring a good change to the food industry, Ira Noah's plant-based food products require little to no preservatives, using resources as nature intended.*

**IRA NOAH** was established in 2019 when it started as a trading and distribution company for plant-based products. Over the years, the organisation has equipped itself as a full-fledged R&D intensive producer. Their ongoing development of sustainable and edible products has made them active in the try-and-error scenes. It focuses on commercialising plant-based food alternatives to meat, butter and fats under the product named Nanka.

Having a food hub facility specifically for a range of food production, Ira Noah is keen to explore more about

plant-based meat technology and produce more food with lesser intervention in the processes.

In 2021, it successfully developed an export market in Singapore and Japan, whereas South Korea will be their goal for 2022.

## VERSATILE FOOD BASE

The plant-based meats are a great replacement for animal-based food as it is more sustainable. Ira Noah has gone through various research stages and came up with its signature products using local Malaysian jackfruit. The base is extracted from young jackfruit pulp and blended with mushrooms which then is formed into patties, cubes, nuggets, sausages, minces and luncheons.



Everyone can now enjoy good plant-based meat in a form of a burger patty



Jackfruit has a similar cellular structure to meat, is fibrous and can absorb natural flavours

Suitable for Western and Asian cuisines, this healthy product can be mixed with any kinds of proteins from animals, lentils and insects.

Ira Noah has produced a shelf-stable range that is reachable as a ready-to-eat meal, such as an inflight meal and DIY meal kit being a more creative approach people can venture into.

### **SUSTAINABILITY IN FOOD SOURCES**

Their food products are 100% vegan-friendly and sourced locally, making them a great example of the circular economy. In addition, this further enhances the circular economy, which can be seen in its daily production process, focusing on zero wastage or repurposed waste for animal feed.

Since the start of the business, Ira Noah has taken many steps forward by implementing the United Nations' SDG guidelines at every production level. It is visible that Ira Noah is continuously improving to be an environmental and health-conscious company.

Being its best at sustainability, the company has developed shelf-stable products without the use of cold chain delivery. This particular decision saves energy and other costs that might be passed down to consumers.

Ira Noah's vision is to democratise access to healthy food and make healthy eating a norm and a culture worldwide. Eating good food is somehow guilt-free when it is sourced sustainably.

### **Achievements & Certifications**

- ◆ Halal (Malaysia)
- ◆ Thought For Food ASIA 2022 (NGO) Food Systems Change Maker Award
- ◆ Malaysian Commercialisation Year Award 2021 (2nd Place)
- ◆ Young Entrepreneur Award 2021 by Australia Malaysia Business Council (Co-founder, Ahmad Syafik Jaafar)



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Light & Pole Maker



Sport lighting for stadium

# OVERSEA LIGHTING & ELECTRIC: CREATING A BRIGHTER FUTURE TOGETHER



**OLE is a one-stop total LED lighting, pole maker and solutions manufacturer which also produces cloud-based Smart Systems to manage assets with IoT infrastructure.**

**OVERSEA LIGHTING & ELECTRIC (OLE)** celebrates over two decades of success and exponential growth as Malaysia's one-stop total LED lighting and pole solutions company. Since its inception in 1993, OLE has been the market leader in Malaysia's LED lighting and pole industry, thanks to its team of specialists, technicians and employees.

Based in a massive 165,000sqf factory that also houses a dedicated R&D team, OLE's experimentations with the latest technology and innovations in materials, manufacturing processes and customisations allow it to remain a pioneer in a competitive industry.

## EXPANSION FROM HOMETOWN

The export efforts started in 2016, and today they are exporting to over 12 countries in the region of South East Asia, the Middle East and Europe.

OLE offers a variety of LED Street Lighting, Sports Lighting, Facade Lighting, Landscape Lighting, Industrial Lighting and Downlight.

The company also provides a great product line of lighting columns and poles. Some of these products are OLE Round Tapered Pole, OLE Octagonal Pole, OLE Decorative Pole, OLE Telco Monopole, OLE 5G Smart Pole and OLE Highmast.

OLE has also ventured into the business of IoT in alignment with Industry 4.0. They have designed and developed Smart Lighting Systems, which provide a complete solution to monitor and manage assets with IoT infrastructure.



## Light & Pole Maker

Street lighting for highway

### SUSTAINABILITY COMES FIRST

The staff at OLE are equipped with 6S principles, which aim to reduce waste and clutter for a better environmental setting.

OLE has migrated from producing traditional lighting equipment containing harmful materials to LED lighting with zero mercury and a low carbon footprint, owing to the rapid improvement in the lighting industry.

Switching product lines to more environmentally friendly products was challenging due to higher pricing and a lack of awareness of LED lighting and pole

However, recent trends have seen increased adoption of LED lighting and pole as consumers are now more concerned about the environment.

Over the years, OLE has steadfastly embraced zero-waste concept in sourcing materials, production, packaging, and until the product's end of life.

### FUTURE IN MIND

With plans to reduce the import of materials, OLE has increased its investment in R&D to manufacture in-house Injection Die Casting LED lights, which will be made in Malaysia.

Also in the pipeline is to increase investment to purchase new machinery and set up a production line to manufacture solar power panels locally.

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ MyHijau Mark Certification from Green Tech Malaysia
- ▶ Australia SAA Approval Certification
- ▶ SIRIM Quality Award (SME Category) 2018
- ▶ Quality Management System ISO 9001:2015
- ▶ DEKRA Certification
- ▶ JKR Electrical Approved Material (EMAL) Certification
- ▶ SIRIM QAS International: MS IEC (Luminaires) & BS EN 40 (Lighting Columns), ISO BS EN 1461



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Batik Series electrical home appliances



## PENSONIC: ELECTRIFYING RISE FROM HUMBLE BEGINNINGS



**Pensonic is a leading local electrical appliances brand in Malaysia, coming from humble beginnings.**

**AS** the saying goes, “mighty oaks from little acorns grow”, and many of the world’s biggest and most successful companies started small with humble beginnings. Such examples inspire every business owner with success stories – proof that any business with a great idea, dedication and determination to succeed can make it big.

The Pensonic Group was founded in 1965 as Keat Radio and Electrical Co, being a small retailer and workshop for electrical home appliances. Today, the 56-year-old Penang-based company manufactures low-to-mid-range products under its own brand name and distributes a range of premium brands such as Lebensstil Kollektion, Cornell, Touth and Belling.

The company is also the exclusive distributor of UK brand Morphy Richards in Malaysia.

### **ELECTRICAL GOODS ARE THE CALLING**

The core businesses of the Pensonic Group today are manufacturing, importing, exporting, distribution and marketing electrical home appliances for domestic and international markets. The Pensonic Group is currently focused on its Own Design Manufacturing (ODM) for several international brands in the Electrical Home Appliances industry.

Thus far, Pensonic has a vast domestic distribution network of 6 branches and more than 1,000 dealers countrywide. In addition, Pensonic products are exported to over 30 countries, supported by a complete host of manufacturing facilities, warehouses, showrooms and customer care centres.

### **R&D CULTURE**

The industrial power base of Pensonic’s unparalleled manufacturing capability and services is its total commitment to consistent, ongoing research and development.

Pensonic’s Innovation and Global Operations Centre is well equipped with R&DLaboratories and ample open spaces to encourage learning and collaboration within the Group and with partners.



Today, Pensonic products are exported to over 30 countries all around the world

Supported by industry experts and designers, the centre is set to further enhance its delivery of innovative, lifestyle inspired products that will create a strong brand image and penetrate targeted global market segments.

### **SUSTAINABILITY AT HEART**

Over the years, Pensonic has integrated environmental considerations into its product design. As a result, it has introduced a myriad of energy-saving appliances that meet Energy Efficiency Standard 5 Star.

Some of its kitchen appliances are flameless and smokeless, reducing energy consumption and cooking time. The products have higher heat efficiency to save energy and 60% lower carbon emissions than international standards requirements.

### **FUTURE ON THE HORIZON**

Long being the pioneer in the electrical home appliances market, Pensonic has set its sights on sustaining a proud reputation as one of the most successful enterprises in Malaysia.

At the same time, the company aspires to expand the business and global branding further into South-East Asia, the Middle East and African markets.

Pensonic is confident that its commitment to perpetual progress, ability to optimise opportunities and unlock potential will ensure sustainable and long-term growth.

### **ACHIEVEMENTS & CERTIFICATIONS**

- ▶ Best Product Design (Smart Home) by DOTY (Designer of The Year Award 2020)
- ▶ Malaysia Branded Award 2018 from the Federation of Malaysian Electrical Appliances Dealers' Associations (FOMEDA)
- ▶ Industry Excellence Award 2012
- ▶ Putra Brand Award 2011 Bronze Winner of Personal, Household & Outdoor Appliances
- ▶ Putra Most Enterprising Brand of the Year 2011
- ▶ Brand Excellence Award (Merchandise) 2007- 2010

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## SOLARTECH: SUSTAINABLE HOT WATER SYSTEMS



For over 30 years, Malaysian company Solartech has been providing carbon and energy savings in hot water technologies worldwide.

**SOLAR** water heaters can be a cost-effective way to generate hot water for home and workplace. It is adaptable to use in any climate. In addition, using solar thermal technology encourages sustainability as the fuel comes from free and renewable sunshine.

### SOLID QUALITY CONTROL

All aspects of Solartech's manufacturing processes adhere to strict quality control to churn products of the highest quality, safety and reliability. The company also exports its solar solutions and products to many well-known brands based in Cambodia, Indonesia, New Zealand, Papua New Guinea, Singapore, the Philippines and other countries.

The economics of scale in production with effective and efficient operating costs, as well as competitive raw material procurements are critical manufacturing factors that could help bring down costs. The company is making giant strides to establish a strong presence in the global marketplace with right pricing and innovative solutions:

- **Summer Solar Water Heater**  
Malaysia's most advanced solar hot water system and the only locally-made product with both pressurised direct and indirect heating systems. Its capacity ranges 180, 300, 400 and 450 litres. Summer tanks are made of 304 stainless steel, 316 stainless steel and glass-lined.
- **Summer Heat Pump Hybrid**  
Coupled with solar panels, this is an air-source water heater green product for commercial and industrial energy recovery market.



**Summer Electric Storage Water Heater**



**Summer Heat Pump Water Heater**

- Summer Heat Pump Water Heater**  
 This product works by taking surrounding heat and humidity from the air in a work area or open space and using it to heat water. Cool air is produced as a by-product without any added cost, which can then be ducted into the work area and provide "spot cooling" for increased employee comfort.
- Summer Electric Storage Water Heater**  
 Its capacity ranges from 15 litres to 10,000 litres, whereas Commercial Calorifier ranges from 908 litres to 9,080 litres. It can also be customised according to the needs of customers.

### ALL EYES ON TECHNOLOGY & SUSTAINABILITY

The world energy demand is growing at a significant rate. The power generation, in fact, does not satisfy the demand. Water heating is the second-largest energy expenditure behind heating and cooling in a household.

Moreover, the traditional sources of energy cause pollution, are expensive and, most importantly, non-renewable.

Solartech's in-house R&D ensures that all its heaters are designed to match the requirements of international quality standards and contribute toward a more sustainable and cleaner future.

As more customers worldwide put additional faith in its products, the company will launch this year a new fully-automated production line – embracing the essence of Industry 4.0 to match global demand.

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ The SMEs Best Brands in APAC 2010 (The Brand Laureate)
- ▶ ISO 9001:2008



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Commissioned Malaysia's largest floating solar plant in 2020

## SOLARVEST: GREENER FUTURE WITH CLEAN ENERGY

**EVERY** megawatt-peak (MWp) of clean energy that Solarvest Holdings helps install will directly contribute to a greener future. With another 300-plus MWp of capacity in Solarvest's secured pipeline to be built, that will further contribute to the reduction in our global carbon footprint.

### TOP-TIER ENGINEERING QUALITY

Solarvest is a clean energy specialist and a market leader in Malaysia's solar EPCC (engineering, procurement, construction and commissioning) space. It has installed solar PV systems totalling around 400 MWp, powering over 800 homes, more than 300 commercial and industrial facilities, and nine large-scale solar (LSS) farms.

In early 2022, Solarvest unveiled its 5-year strategic roadmap with an overarching goal to spark exponential growth in the renewable energy industry through three key growth pillars: EPCC, asset development, ownership and building a clean energy ecosystem by expanding into subsectors such as energy storage, electric vehicle, energy efficiency and more.



**Having built about 400 MWp of solar energy capacity over the past decade, Solarvest has thus successfully removed around 330,000 tonnes of carbon dioxide from the atmosphere, which loosely equals to planting more than 14.8 million trees.**

As of 10 March 2022, it has an unbilled order book of RM742 million, including eight LSS sites.

### REGIONAL MARKET EXPANSION

Solarvest has a regional presence in the Philippines and Taiwan and will be expanding into new markets such as Indonesia and Vietnam.

Its key strength is project delivery, demonstrated by its extensive track record of sites commissioned, ranging from small to large scale.

## SOLAR FINANCING FOR CLIENTS

Its Powervest solar financing programme offers a zero-upfront cost model where the customer wholly owns or co-owns the asset with Solarvest or a leasing model, a long-term Power Purchase Agreement between the customer and Solarvest/ Partner Investors.

For the latter, Solarvest recently announced its phase 2 agreement signed with NEFIN to undertake the solar EPCC project for Lotus's, the largest hypermarket in Malaysia.

## BEYOND REDUCING CARBON FOOTPRINT

The Solarvest group also funds and guides new green tech, fintech and renewable energy related startups via its Solarvest Innovation Lab to improve other areas under the UN SDGs.

## VALUE-ADDED DIFFERENTIATION

Upon commissioning of sites, Solarvest continues to add value to its customers in Operation and Maintenance (O&M), a service that offers both corrective maintenance and preventive maintenance to ensure maximum longevity and reduce downtime of the solar PV system.

Even in the case of system downtime, the Solarvest group, via its partnership with ANORA Agency Sdn Bhd, offers a solar PV insurance plan to provide full coverage and protection for its customers for such incidents.

Solarvest, along with ANORA and QBE Insurance, has also introduced SolarPro Line-Stoppage insurance, providing coverage of the consequential loss, that is, any damages to the property during and after the installation, erection, or construction of the solar PV system.

## SOLARVEST

BUILDING A CLEAN ENERGY ECOSYSTEM



## ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2021 Sustainability & CSR Malaysia Awards
- ▶ 2020 Graduates' Choice Award – Top 5 Most Attractive Graduate Employers in Greentech Category
- ▶ 2019 The Golden Globe Tigers – Solar Energy Leadership Award
- ▶ 2018 SME 100 Fast-Moving Companies Award
- ▶ 2016 Star Outstanding Business Awards – Most Promising Award

SOLARVEST

### SOLARVEST HOLDINGS BHD

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# ADA BIOTECH: SIPPING YOUR WAY TO CLEANER OCEANS



Creating a broader global footprint, ADA produces biodegradable and customisable straws.

ADA Sip Straw



**FOUNDED** in 2019, ADA Biotech (ADA), a Malaysian company is on a mission to combat pollution by creating environmentally safe products. Its primary strategy is to manufacture revolutionary biodegradable products with 100% plant-based ingredients. Biodegradable products can be decomposed by bacteria or other living organisms, thereby avoiding pollution.

## ADA STRAWS

Plastic straws are one of the most commonly used and discarded plastic items. Because of the chemicals used in their manufacture, many varieties cannot be reused or recycled. In addition, most plastic straws are non-biodegradable, meaning bacteria or decomposers cannot break them down. Scientists estimate about 8.3 billion plastic straws pollute coastlines around the world.

ADA straws are made of broken rice and tapioca starch, are environmentally friendly, ocean safe, edible, have zero PLA, no preservatives and decompose in 100 days. ADA has developed straws for nearly every type of use. Offerings include ADA Natural Straw, ADA Boba Straw and ADA Sip Straw. They also come in different packaging, which is customisable.



ADA Natural Straw



ADA Boba Straw

## SUSTAINABLE DEVELOPMENT GOALS

The other central theme of ADA is Sustainable Development Goals (SDGs). ADA has already committed to 5 of the 17 UN SDGs, which are:

- No.9 - A company with innovative technology and international standard quality certifications.
- No.11 - Be the pioneer of sustainable living to create awareness of pollution and lead the people around us to a more sustainable lifestyle.
- No.12 - Producing products that do not harm the environment and with modified automation machinery.
- No.14 - ADA straws do not harm marine life because it is edible and decomposes in 100 days naturally.
- No.15 - ADA straws do not need any artificial environment or landfill, to be disposed because of its natural ability to decompose.

## FUTURE PLANS

ADA hopes to encourage people to swap from single-use plastic products to biodegradable products, and to this end, it plans to develop multiple new offerings. They include:

- ADA Stirrer
- ADA Chopstick
- ADA Spoon
- ADA Forks
- ADA Cup
- ADA Cup Lid
- ADA Plate

They are also keen on partnerships or joint ventures with like-minded organisations to develop new products in line with the SDGs.

Currently exporting to Japan and Singapore, ADA has set its sights on creating a global footprint and sustainable future.



**Individual Paper Wrap Straw**

## ACHIEVEMENTS & CERTIFICATIONS

- ▶ Halal (Malaysia)
- ▶ ISO 22000:2005
- ▶ Hazard Analysis and Critical Control Point (HACCP)
- ▶ Good Manufacturing Practise (GMP)
- ▶ United States Food and Drug Administration (FDA) Compliance



### ADA BIOTECH SDN BHD

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# IRA NOAH: EATING HEALTHILY AND SUSTAINABLY ALL AT ONCE



100% plant-based meat is suitable for all types of cuisines



**Aiming to bring a good change to the food industry, Ira Noah's plant-based food products require little to no preservatives, using resources as nature intended.**

**IRA NOAH** was established in 2019 when it started as a trading and distribution company for plant-based products. Over the years, the organisation has equipped itself as a full-fledged R&D intensive producer. Their ongoing development of sustainable and edible products has made them active in the try-and-error scenes. It focuses on commercialising plant-based food alternatives to meat, butter and fats under the product named Nanka.

Having a food hub facility specifically for a range of food production, Ira Noah is keen to explore more about plant-based meat technology and produce more food with lesser intervention in the processes.

In 2021, it successfully developed an export market in Singapore and Japan, whereas South Korea will be their goal for 2022.

## VERSATILE FOOD BASE

The plant-based meats are a great replacement for animal-based food as it is more sustainable. Ira Noah has gone through various research stages and came up with its signature products using local Malaysian jackfruit. The base is extracted from young jackfruit pulp and blended with mushrooms which then is formed into patties, cubes, nuggets, sausages, minces and luncheons.



**Everyone can now enjoy good plant-based meat in a form of a burger patty**



Jackfruit has a similar cellular structure to meat, is fibrous and can absorb natural flavours

It is visible that Ira Noah is continuously improving to be an environmental and health-conscious company.

Suitable for Western and Asian cuisines, this healthy product can be mixed with any kinds of proteins from animals, lentils and insects.

Ira Noah has produced a shelf-stable range that is reachable as a ready-to-eat meal, such as an inflight meal and DIY meal kit being a more creative approach people can venture into.

### **SUSTAINABILITY IN FOOD SOURCES**

Their food products are 100% vegan-friendly and sourced locally, making them a great example of the circular economy. In addition, this further enhances the circular economy, which can be seen in its daily production process, focusing on zero wastage or repurposed waste for animal feed.

Since the start of the business, Ira Noah has taken many steps forward by implementing the United Nations' SDG guidelines at every production level.

Being its best at sustainability, the company has developed shelf-stable products without the use of cold chain delivery. This particular decision saves energy and other costs that might be passed down to consumers.

Ira Noah's vision is to democratise access to healthy food and make healthy eating a norm and a culture worldwide. Eating good food is somehow guilt-free when it is sourced sustainably.

### **ACHIEVEMENTS & CERTIFICATIONS**

- ▶ Halal (Malaysia)
- ▶ Thought For Food ASIA 2022 (NGO) Food Systems Change Maker Award
- ▶ Malaysian Commercialisation Year Award 2021 (2nd Place)
- ▶ Young Entrepreneur Award 2021 by Australia Malaysia Business Council (Co-founder, Ahmad Syafik Jaafar)



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# NLYTECH BIOTECH: 100% BIODEGRADABLE RICE-BASED STRAWS & CUTLERY



**NLYTech's mission is to replace fossil-based single-use plastics and reduce plastic waste with sustainable practices and a total commitment to carbon neutrality.**

**AIMING** to be the most reliable and preferred 100% biodegradable products solution provider, NLYTech focuses on research and development using all-natural ingredients and without polymer content, to replace fossil-based single-use plastic and paper products.

NLYTech's products are manufactured at commercially acceptable costs, and its solutions are environmentally sustainable, which helps to reduce global carbon dioxide emissions and the associated greenhouse effects.

## **STRAWS MADE FROM BROKEN-RICE**

Its RiceStraws is 100% biodegradable drinking straws made from broken-rice flour and tapioca starch as well as gluten-free and vegan-friendly. According to usage, they come in four different sizes; 6.5mm for soda, 8mm for frappe, 9mm for frappe+ and 13mm for boba drinks. Their seven colour options – purple, red, black, natural tone, green, yellow and orange – are also derived from natural ingredients.





### NLYTech's new factory in Penang, Malaysia

The RiceStraws' durability is two hours and above in cold water and 1.5 hours in hot water.

Once used, the drinking straws will naturally decompose within 90 days, suggesting that NLYTech's RiceStraws is environmentally friendly, helps in reducing plastic waste pollution and leaves zero carbon footprint.

### OTHER EXCITING PRODUCTS

The company also makes biodegradable cutlery products including spoons, forks, chopsticks, ice-cream spoons and lunch boxes.

These NLYTech products are 100% biodegradable solutions that can completely replace plastic- and bamboo-made products. They are eco-friendly solutions that make use of agriculture waste or secondary by-products from the agriculture industry in Malaysia.

As single-use plastic-made products are a major pollution source, harmful to earth, NLYTech's direction is to provide a suitable replacement for such products.

Its products' key ingredients are sustainable materials like agriculture by-products from the local industry which fit the sustainability supply in its product innovation.

### SOLUTIONS IN LINE WITH SDGS

NLYTech mission is to provide solutions that encourage fewer single-use of plastic-made products. It has aligned its processes with UN SDGs 2030, including responsible consumption and production, climate action, life below the ocean and on land.

The company strives to become the most reliable and preferred partner for its overseas clients in Dubai, Germany, Indonesia, Netherland, Poland, Singapore, Switzerland, Thailand, the Philippines, the United Kingdom, the United States, Turkey and many other countries.

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ Thought For Food – Future Foodtech Festival 2022 – Food Systems Change Maker Award
- ▶ Asia Food Innovation Awards 2019 – Winner in Best Sustainable Packaging Category
- ▶ ISO 9001:2015
- ▶ ISO 22000:2005
- ▶ Good Manufacturing Practice (GMP)
- ▶ Hazard Analysis and Critical Control Point (HACCP)
- ▶ Halal (Malaysia)
- ▶ US Food and Drug Administration
- ▶ US Department of Agriculture for Certified Biobased Product Label



#### NLYTECH BIOTECH SDN BHD

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# PMI PACKAGING: INNOVATION WITH PASSION FOR NATURE



Successfully creating a full line of compostable products such as carrier bags, straws and gloves; PMI Packaging uses globally recognised NatureWorks Ingeo PLA.



Compostable carrier bags

**PMI PACKAGING** was established as a plastic bag and straw manufacturer in 2013. The company specialises in plastic packaging such as food packaging, carrier bag, garbage bag, industrial bag, shopping bags, and recent product spin-offs in straw and spoon development.

PMI stands for Passion Made Innovation; hence the Malaysian outfit is passionate about innovating intelligent packaging solutions to fulfil various customer needs.

Its vision is to create alternative compostable products for every single-use plastic as part of the Malaysia's future direction towards circular economy.

## SUSTAINABLE PRODUCTS FOR GREENER WORLD

PMI has been a pioneer in developing green technology in Malaysia since 2016 as it foresees compostable products as the next generation of packaging solutions worldwide. It has successfully created a full line of compostable products, including carrier bags, garbage bags, straws, gloves and spoons.

All quality products are being produced using globally recognised NatureWorks Ingeo PLA with suitable additive and chemical substances that can degrade and compost within a certain period under conditions applied. (NatureWorks is an international company that manufactures bioplastics.

The commercial quality polymer is made from the carbon found in simple plant sugars such as corn starch to create a proprietary polylactic acid polymer (PLA) marketed under the brand name Ingeo).

PMI is the first company certified by the Standard & Industrial Research Institute of Malaysia (SIRIM) Eco Label under Food Grade compostable products.

It has also been recognised by the Malaysian Investment Development Authority (MIDA) as a manufacturer with Pioneer Status as a result of having a high level of technological expertise.



Compostable straws

### FOREFRONT OF TECHNOLOGICAL INNOVATIONS

PMI has successfully developed full automation in producing compostable straws; this increases products' hygiene, improves efficiency and reduces manpower. Furthermore, to refine premium F&B brands' needs, the company has designed and mastered individual straw wrapping techniques with inline label printing.

In 2020, PMI was selected by a top education institution, University Science of Malaysia (USM), as a collaboration partner to develop various compostable products.

Their joint research and development included experimenting with different starch bases; tapioca, palm oil empty fruit bunch, corn and used coffee starch.

With the USM research team, PMI believes it is one step closer to the vision to cover all plastic processes such as blown film, extrusion, injection, thermos forming and blow moulding with bio-friendly alternatives.

PMI aspires to be the first one-stop compostable products supplier in Malaysia and continues to pursue expansion in the international market.



Compostable gloves

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ SIRIM Eco Label 001:2018
- ▶ MIDA Pioneer Status
- ▶ MIDA INDUSTRY4WRD Recipient



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Around 95% of its products are exported overseas

## BE GREEN BIOMASS: WHOLESOME APPROACH TO WOOD WASTE



**BE Green Biomass mainly produces wood pellets, OPT pellets, compressed wood blocks, and other biomass products for local and international markets.**

**WHEN** wood waste is created, it is often stored in a skip, then collected by a waste disposal company and taken to a materials recovery facility. Waste wood is graded and sorted to be transported for recycling or recovery at this facility if applicable. Wood that is not recycled will likely end up in landfills in which it has no benefit.

The primary constituents of wood waste are used lumber, trim, shipping pallets, trees, branches, and other wood debris from construction and demolition. Wood waste is a precious resource that is abundantly available and can be used for material recycling, based on its quality grade.

### **GREEN AT HEART**

The rising cost of waste material disposal and growing environmental consciousness contribute to the importance of waste wood recycling.



Wood blocks

BE Green Biomass Sdn Bhd was founded in Johor, Malaysia, in 2014 based on the philosophy that by recycling wood waste, the demand for “green timber” will fall, helping to heal our environment. The company hence produces a range of products using wood waste.

Its products are eco-friendly as the raw material sources are wood waste from its sawmill and wood residues from the pruning of trees by the local town council.

- Wood Pellet**  
The monthly capacity for wood pellets is 20,000MT with categories from Grade 1 to 3.
- Compressed Block**  
The outfit can produce up to 2,000m<sup>3</sup> of compressed block monthly and have more than 20 sizes available for selection.
- OPT Dust Block**  
Used for animal bedding, mushroom farm, vegetables, and other agricultural purposes. The dust is produced from oil palm trunks.

**FOOTPRINT AND ASPIRATIONS**

Around 95% of its products are exported overseas, the majority to countries such as Singapore and the Philippines, along with Japan, Korea, Taiwan and others.

BE Green Biomass is also making marketing efforts to further explore and expand the market in Europe and the Middle East.



A common belief is that by recycling wood waste, the demand for “green timber” will fall

The company hopes to continue producing and maintaining consistent quality products with sustainable resources and prompt delivery service to ensure its business sustainability.

**PROGRAMME FOR ENDORSEMENT OF FOREST CERTIFICATION**

Forest certification provides a mechanism to promote the sustainable management of our forests and ensures that forest-based products reaching the marketplace have been sourced from sustainably managed forests.

With a PEFC Certificate, all of BE Green Biomass’s raw materials are procured from sustainably managed forests. In addition, most of its major suppliers or partners are also PEFC certificate holders.

**CERTIFICATION**

- ▶ Programme for Endorsement of Forest Certification (PEFC)



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## Turning Waste Bottles Into Clean Fibre



### PET Bottles

Post consumer plastic bottles collected



### AI Sorting

AI Technology used to sort different types of colours and materials which are then crushed and washed



### Recycled Polyester Staple Fibre

Cut into different length

# DIYOU FIBRE: SUSTAINABLE SOLUTIONS TOWARDS A GREENER TOMORROW



**Diyou Fibre, veterans in the post-consumer plastics recycling industry, champions sustainability through recycling, recovering and reengineering waste.**

**ESTABLISHED** in 1998, Diyou Fibre is a reputable recycling & manufacturing company based in Malaysia, producing recycled polyester staple fibre, PET flakes and other recycled materials made from post-consumer plastics.

Its products are mainly used in the household, furnishing and textile industry. It is currently exporting to over 22 countries, including China, Japan, Taiwan and Canada.

Thus far, the company has recycled more than 40 billion bottles, with its current production capacity of 20,000 MTs monthly.

### FEATURED PRODUCTS

Diyou Fibre offers a wide range of recycled petrochemical products, including polyester staple fibre, PET flakes and PET strapping belts.

Polyester staple fibre can be used to manufacture almost anything sustainable, from beds to aerospace. They are used mainly by manufacturers of filters, carpets and fillings such as pillows, sofas, quilts and soft toys.

PET flakes, made from post-consumer PET bottles, are used to produce food packaging bottles and PET sheets. It can also be extruded into PET strapping belts used for industrial packaging. These PET straps are of the highest quality and do not lose their characteristic under high temperatures, UV exposure or bad weather conditions. One of the great advantages is its elasticity, which allows the strap to maintain its tensile state even if the package shrinks after being strapped up.

**SUSTAINABILITY AT ITS CORE**

Supported by 4IR technology, the outfit can extract the best value out of post-consumer waste before it fully deteriorates. AI technology is used in the sorting, cleaning and production process of spinnable yarns, upon collection of post-consumer plastic bottles.

In addition, it does its part in protecting the environment by using green renewable energy such as palm kernel shells in its heating process and implementing an effective wastewater treatment to recycle water used in production.

With sustainability at the foundation of its business, it closely aligns itself with the United Nations' Sustainable Development



**Clear PET flakes**

Goals (SDGs) 2030. In addition, Diyou Fibre ensures that its workplace is safe for its employees. Furthermore, it actively promotes gender equality in the workplace and implements continuous innovation to achieve higher automation with greener processes.

**FUTUREPROOFING ITS BUSINESS**

The outfit aspires to be an advocate and leader in Industry 4.0, combining digitalisation and automation technology in its processes. It looks to ramp up its production of PET pellets for applications across various industries, using sustainability-driven solutions.



**Products' end uses for consumers**

**ACHIEVEMENTS & CERTIFICATIONS**

- ▶ TÜV Rheinland
- ▶ Global Recycling Standard (GRS)
- ▶ OEKO-TEX Confidence in Textiles - STANDARD 100
- ▶ ISO 14001:2015
- ▶ ISO 9001:2015
- ▶ Ocean Bound Plastic (OBP)

DIYOU FIBRE

締優

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Collecting and recycling OBP in Malaysia's coastal areas

## HENG HIAP INDUSTRIES: THE OCEAN'S THE LIMIT FOR RECYCLED PLASTICS



**Heng Hiap Industries is a fully integrated plastic recycling company that collects used ocean plastics and transforms them into manufacturable materials.**

**HENG HIAP INDUSTRIES (HHI)** stands out in Malaysia's fragmented recycling industry for manufacturing and customising superior recycled resins under its own Plashaus and Plashaus Ocean brands for various finished products.

HHI can customise superior plastic resins for finished products such as fast-moving consumer goods, packaging materials, gifts, furniture, toys, home appliances, shoes and apparel.

The plastic resins are customised recycled resin (rPP, rHDPE, rLDPE, rLLDPE, rPET), customised recycled Ocean Bound Plastic resin (rPP, rHDPE, rLLDPE, rPET) and customised recycled plastic resin with EN 71-3 compliance (rPP).

HHI's horizontal integration of the supply chain enables complete control over the quality of raw materials throughout the production process. With 18 intellectual property patents and one trademark filed, it successfully employs technological innovation to convert plastic scrap into valuable materials.

### **EXPORTS & SUSTAINABILITY MARKET**

HHI exports over 70% of its output to 38 countries. Products can sell at a premium price in the sustainability market due to higher quality on-spec materials and sustainability reasoning.

HHI is creating a market opportunity in the sustainability market via rewarding innovations and providing more circular, ethical and high-quality products made from 100% Ocean Bound Plastics (OBP) or Plashaus customised resins. It has ventured into collecting and recycling OBP in Malaysia's coastal and river areas since 2020.

### SMART COLLABORATIONS

HHI's Plashaus Ocean brand of plastics was created with partners and co-creators, making it a vital example of circular economy innovation. This collaboration converts OBP to upcycled goods, creating fully sustainable and closed-loop systems where resources are reused and recycled.

The Louvre Chair is one of HHI's smart collaborations in producing their Smart Plastics and Traceability Programme. It allows third party verification on claims that the material is recycled from waste plastic found in the vicinity of marine and riverine environments.

### DIGITAL TRANSFORMATION

HHI intends to digitally modernise the plastic recycling industry to gather better grade plastics.

A simplified and user-friendly collection method would extend the industry's infrastructure beyond the informal collectors and grassroots recyclers to the household level. The goal is to create a mobile application that will revolutionise plastic recycling by allowing consumers to recycle their waste in a new way.



The Louvre Chair is one of HHI's sustainable collaborations

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2020 Frost & Sullivan – Best Practices Virtual Awards
- ▶ 2020 Malaysia Smart Waste Solutions Technology Innovation Award
- ▶ Junior Chamber International (JCI) – 2020 Malaysia Sustainable Development Award
- ▶ ISO 45001:2018 Occupational Health & Safety
- ▶ ISO 14001:2015 Environmental Management
- ▶ ISO 9001:2015 Quality Management
- ▶ Global Recycle Standard (GRS)
- ▶ Sedex SMETA 4-Pillar Certified Factory
- ▶ ISCC PLUS
- ▶ Singapore Green Label
- ▶ ZPO Ocean Bound Plastic
- ▶ Green Building Index – Gold
- ▶ UN SDG No.12: Responsible Consumption and Production



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For a greener, smarter  
and safer tomorrow



## ITRAMAS: LEADER IN SUSTAINABILITY



**As one of the first Large-Scale Solar (LSS) companies, ITRAMAS played an essential role in developing Malaysia's Greentech & Solar Energy industries.**

**GREEN** technology and public works engineering firm ITRAMAS has been a leader in the Greentech industry since its inception in 1999. The firm has gained boundless experience implementing large-scale projects in the sectors of Renewable Energy, Energy Efficiency, and Smart City.

In line with the vision of promoting Sustainability, all of ITRAMAS' products and solutions are award-winning and certified in the green and sustainable categories. The company aspires to lead in the promotion of sustainability in its industry locally and globally.

### RENEWABLE ENERGY

In Renewable Energy, ITRAMAS' portfolio of three LSS power plants totalling 200MWp was commissioned in 2019, where the firm's full-fledged involvement from Project Development, Project Finance & Investment and EPCC to the O&M of the plants led to the successful completion of one of the first utility-scale solar projects in Malaysia, demonstrating ITRAMAS' pioneering involvement in developing the Solar Energy market in the country. Notably, the company issued RM 1 billion worth of Green SRI (Sustainable & Responsible Investment) SUKUK to finance the development of this project, which became the largest Shariah Compliant Islamic Bonds ever issued.

In 2022, the firm introduced its SOLARSAVE™ programme, partnering with banks to offer solar systems for the Residential, Commercial and Industrial sectors. The programme enables the public to play a part in sustainability efforts by generating their own electricity while introducing up to 99% of savings, a significant economic offering post-pandemic. ITRAMAS also offers financing options under a Private Power Purchase Agreement (PPA) programme for Corporate clients that wish to convert to solar energy.

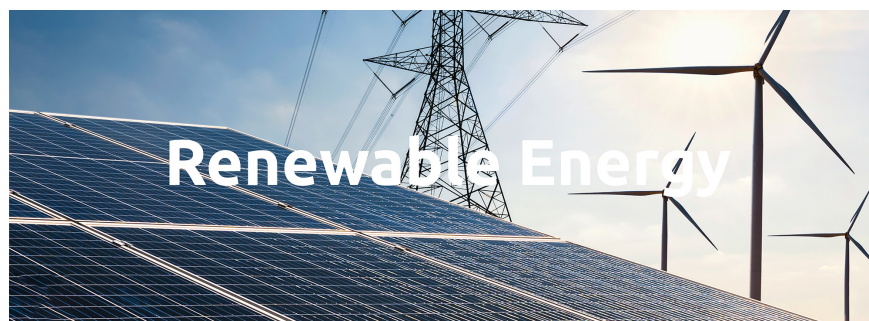
## ENERGY EFFICIENCY AND SMART CITY

In the Energy Efficiency and Smart City sectors, the company's European Standard (CE) and European Norms Electrical Certification (ENEC) compliant Q-RAY™ line of LED lighting products not only help clients achieve up to 60% of energy savings but also allows upgrades into IoT- and 5G-enabled Smart City solutions at any time.

In Malaysia, ITRAMAS is currently commissioning the very first Smart City project in the country with the Selangor State Agency, which involves the installation of Solar-powered Smart LED Streetlights and Solar-powered Smart Poles that enable remote access and monitoring via LORAWAN across the capital city. The Smart City systems are protected by the firm's Cybersecurity solutions installed at the City Control & Command Centers.

## ROOTED IN SUSTAINABILITY

Since its incorporation, ITRAMAS has included values of sustainability in its operations and solutions, as well as in the manufacturing of its products. Its manufacturing process is streamlined to reduce energy consumption and wastage. Internal sustainable initiatives in its Supply Chain Management, R&D, QA (Quality Assurance), CSR (Corporate Social Responsibility) programmes and facilities are continuously maintained and in compliance with ISO 9001:2015 and 14001:2015 standards. To further promote Sustainability, ITRAMAS' manufacturing plant is currently being converted to be powered by Solar Energy, thus reducing its reliance on fossil fuel energy sources.



## ACHIEVEMENTS & CERTIFICATIONS

- ▶ Cambridge IFA Global Good Governance – 3G Green Innovation & Solutions Award 2021, 2020 & 3G Excellence in Product Innovation Award 2021
- ▶ APAC Business Headlines – Malaysia's Most Innovative Company in Renewable Energy 2020
- ▶ Asian Power Awards 2019 – Power Utility & Independent Power Producer of the Year – Malaysia
- ▶ Global Islamic Finance Awards – Best SRI Sukuk of the Year 2018
- ▶ Alpha Southeast Asia – Best Sustainable & Most Innovative Islamic Finance Deal in Southeast Asia 2017
- ▶ Thomson Reuters PFI 2017 – Excellence in Smart Infrastructure Financing



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Investing in R&D solutions to develop new innovative products

# OVA CHEM: RIGHT WAY IS THE GREEN WAY



Ova Chem espouses the tagline **Tomorrow's Chemistry Today**, to meet consumer needs and a greener, sustainable future.

**THE** idea of green chemistry relates to a product's entire life cycle, including its design, raw material usage, production, utilisation and disposal.

With a state-of-the-art Research & Development centre based in Kuala Lumpur and a collection of outstanding chemists, Malaysian outfit Ova Chem prides itself on providing true technical expertise in Green chemical solutions.

Its lean manufacturing plant can currently manufacture up to 12,000 MT products a year. In addition, multiple boutique manufacturing plants are in the pipeline in the South East Asia region for further expansion to increase volume.

The company develops high-performance, sustainable, environmentally-friendly chemicals from plant and organic waste materials. Its innovative products include:

- ▶ **Ova G-Base**  
Growth in the use of vegetable oils has been severely limited by their poor performance, especially in oxidation areas driven by the presence of residual double bonds. Ova G-Base is a high-performance, biodegradable, non-toxic base oil that is synthesised from vegetable oils, categorised under Class V.
- ▶ **Ova G-Clean**  
Most of the Clean-Up chemicals in the market today are synthesised from petrochemical products. Ova G-Clean series offers a range of formulated blends of bio-based renewable surfactants and solvents that provides comparable performance against synthetic products.
- ▶ **Ova G-Lube**  
Ova G-Lube is formulated using high-performance reclaimed bio-based materials. It generates a thin layer of coat on the contact surface, providing excellent lubricating properties to water-based drilling fluid, which reduces torque and drag, and corrosion effects on metal materials.



**Ova G-Clean, cleaning solutions from plant-based materials**

► **Ova G-Loc**

A wellbore integrity solution from recycled materials. It is a formulated blend of recycled polymer, resin and deformable materials to maximise bridging efficiency and prevent differential sticking and potential losses.

**SUSTAINABILITY IS KEY**

The petroleum industry has developed a reputation as a “dirty industry” in the aftermath of catastrophes resulting in high profile ecological damage.

Ova Chem is committed to develop a Green Oilfield additive that is biodegradable and non-toxic, as a way to improve the industry’s reputation.

The company ensures its products are made from sustainable sources, adhering to standards required by discerning customers in Asia, Europe and the Middle East. It has also realigned its R&D activities to encompass renewable sources such as biomass and waste material.

The company is also making efforts to partner with other like-minded companies to derive keratin from chicken feathers.

**CONTINUOUS INNOVATION**

The company aspires to continue investing in R&D solutions in developing innovative products, improve processes and enhance consumer services.

A new green physical facility in Malaysia, equipped with both liquid and powder manufacturing capability is targeted to be completed by the end of 2022.

The green facility will efficiently reduce and recycle waste, leverage renewable energy, utilise smart manufacturing software and is capable of analysing environmental impact – staying true to its commitment towards a safer and sustainable environment.



**Ova G-Lube, bio-based lubricant**

**CERTIFICATIONS**

- ISO 45001:2018
- ISO 9001:2015



**OVA CHEM SDN BHD**

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# ZHA ENVIRONMENTAL: RECYCLED RUBBER PRODUCTS AS GOOD AS NEW



**Envisioning a future that optimises a massive scale of recycled products, ZHA Environmental pursues to export its rubber goods internationally.**

**THE** largest tyre recycling company in East Malaysia, ZHA Environmental operates a Used Tyre Waste Management Facility (UTWMF) at the Integrated Waste Management Zone in Sarawak's capital Kuching.

It has also set up used tyre collection depots in the cities of Sibul and Miri and the coastal town of Bintulu.

Licensed by the Sarawak government to collect and recycle all the used tyres in Sarawak, the 1999-incorporated ZHA has collected over eight million pieces of used tyres to date.

## **ECO-FRIENDLY RECYCLING PROCESS**

ZHA uses an environmentally friendly method involving a mechanical size reduction process to recycle used tyres, to produce various forms of recycled rubber products and steel wires.

ZHA produced rubber granules, rubber powder and tyre-derived fuel from recycling used tyres. Rubber granules are widely incorporated in playground rubber flooring and artificial turf infill, whereas rubber powder is used in car mats and brake pads.

ZHA also manufactures high-quality rubber tiles and pre-coated SBR for playgrounds and gymnasiums rubber flooring. These products improve the aesthetics and appeal of playgrounds and gymnasiums, and help reduce injuries from falls. ZHA's products are sold throughout Malaysia and the UAE, Australia, Hong Kong, and South Korea under the TetraPlay brand.



**Various shades of pre-coated SBR granules for rubber infills**



**ZHA's facility is designed to conserve natural resources**

**HOW ZHA CHAMPIONS SUSTAINABILITY?**

The collection of used tyres throughout Sarawak for recycling has reduced and prevented environmental hazards such as tyre fires, breeding grounds for disease-spreading Aedes mosquitoes, and polluting waterways.

The used tyres are recycled using a mechanical grinding process to convert them into recycled rubber granules and powder at ambient temperature. This is the most eco-friendly method of recycling used tyres because no chemicals are applied nor result in the emission of pollutants.

**PROMOTING CIRCULAR ECONOMY**

ZHA's products, such as rubber tiles and pre-coated SBR, are made using recycled rubber derived from recycling used tyres.

Therefore, its products are considered Green and widely used in playgrounds and gymnasiums rubber floorings, promoting a circular economy.

**LEADING BY EXAMPLE**

Always prioritising environmental sustainability in its operations, ZHA's Used Tyre Waste Management Facility is equipped with rainwater harvesting capabilities and designed to maximise the use of natural light. This enables ZHA to conserve natural resources and minimise unnecessary environmental impacts.

Furthermore, according to the reduce-reuse-recycle concept, ZHA's export products are mostly packed using recycled packaging materials.

ZHA aspires to increase the adoption and acceptance of recycled rubber products among society. By showing that recycled rubber products can provide similar performance as new ones, ZHA hopes that more people will opt for recycled products to jointly care for our environment.

**ACHIEVEMENTS & CERTIFICATIONS**

- ▶ 6th Sarawak Chief Minister's Environmental Award (CMEA) 2014
- ▶ LABOSPORT certification for TetraPlay Rubber Infill for FIFA standards
- ▶ Impact Attenuation/Critical Fall Height, Indentation, Slip Resistance and Ignition standards for TetraPlay Rubber Tiles



**ZHA ENVIRONMENTAL SDN BHD**

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# BIJI-BIJI INITIATIVE: EMPOWERING A SUSTAINABLE LIVING SOCIETY



**Biji-biji Initiative aspires to be the leading talent development academy and platform that grooms future successful individuals, entrepreneurs, and companies.**

**ESTABLISHED** in 2013, the Biji-biji Initiative is a social enterprise that aims to share progressive ideas with the world. It has championed sustainable living and creatively reused waste by providing a range of up-cycling and art installation services. As a stepping stone for bringing its footprints globally, Biji-biji Initiative exports its upcycled goods to Singapore and Thailand.

Using discarded materials, basic electronics and passive building techniques, the organisation aims to inspire our surroundings with fresh and fun approaches to sustainable living.

- **Beyond Bins**  
It provides a circulative supply and demand chain between the community, industry players and corporate bodies – ultimately closing the loop in plastic waste production and creating a circular economy.
- **Impact Accelerator Programme**  
The programme plays a more significant role in enabling and scaling organisations to achieve their environmental and social impact goals, build on their potential and bridge the gaps between different stakeholders to achieve greater systemic change.
- **Mereka Academy**  
Mereka Academy aspires to inspire, equip and support game-changers and disruptors who will lead the next generation of companies, industries and economies – encompassing real-world applications, introducing and adopting digital technology, and environmental and social governance (ESG). Mereka Academy’s Future of Work Training equips youths with smart skills and know-how to enable and empower them to build promising careers in the 21st century.

Fresh and fun approaches to sustainable living



- **Mereka Connect**

This initiative hopes to foster a sustainable ecosystem of learning, innovation and collaboration through technology. It positions itself as an ecosystem enabler in the Creative Economy, connecting local resources with general public across different Creative, Technology & Education Hubs.

### IMPORTANCE OF SUSTAINABILITY

Biji-biji Initiative's core values and offerings are parallel with the 17 UN SDGs (Sustainable Development Goals). Since the pandemic, the organisation has developed impact indicators to benchmark against the SDGs for external impact and ESG (environmental, social, and governance) for internal policy and business processes.

These indicators are the crucial data representation of the organisation's mission and decision-making factor.

As an Accredited Social Enterprise, Biji-biji Initiative is responsible to many stakeholders, including Malaysia's Ministry of Finance and Ministry of Entrepreneur Development and Cooperatives (MEDAC). Biji-biji Initiative ensures its services meet its guidelines and policies and are aligned with the ESG framework with its internal stakeholders.

### WHAT'S NEXT

As an organisation that aims to solve environmental issues through a market-driven approach, Biji-biji Initiative has its sights set on creating impact in ASEAN and globally.



A scene at the Mereka Academy workshop

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ HSBC Business Excellence Awards 2019
- ▶ World Fair Trade Organisation Certified 2018
- ▶ Social Enterprise of the Year 2018 (Sustainable Business Awards)
- ▶ Amplify Awards (MaGIC), 2015
- ▶ Technology Innovation Award (Frost & Sullivan Malaysia), 2015
- ▶ Sustainable Development Grant (Shell), 2014



#### BIJI-BIJI DESIGN SDN BHD (KNOWN AS THE Biji-biji Initiative)

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2more is the only Malaysian brand to produce mango flavoured sparkling soda

Quench your thirst with a sip of KitZai's sweet and sour calamansi!

Tritonic is an excellent source of electrolytes to rehydrate, replenish and refuel your body

## LIFE WATER INDUSTRIES: SIP, SIP, HOORAY!



One of the biggest bottled drinking water manufactures, Life Water Industries believes in creating awareness for recycling by producing packaged bottles sustainably.

**ONE** wise man once said, "All worries are less with a cold drink." Since its inception, Malaysian company Life Water Industries has subscribed to the quote wholeheartedly.

Starting with a manual production line back in 2002 in Sandakan, Sabah – it has evolved into a fully automated beverage producer. Today, it is one of the larger beverage producers in East Malaysia and the largest contract manufacturer of bottled drinking water in Sabah for several companies, including MNCs.

### 2MORE SPARKLING SODA

The 2more brand comes in family and on-the-go sizes – 1250ml and 330ml. Available flavours are cola, mango, tutti frutti, orange, strawberry, ice cream soda and apple. In addition, 2more is the only beverage brand to produce mango flavoured sparkling soda, a tropical taste loved by many!

### TRITONIC ISOTONIC DRINK

Tritonic is a homegrown carbonated isotonic electrolyte drink. The drink is an excellent source of electrolytes to rehydrate, replenish and refuel your body to prepare it to go the extra mile.

Made less sweet with 46% reduced sugar than its Sparkling Soda, Tritonic comes in two sizes (1250ml and 330ml), perfect for boosting the energy needed for the day or training.



Life Water Industries' factory uses solar panels for electricity to lessen carbon footprints

### KITZAI FRUIT DRINK

Quench your thirst with a sip of sweet and sour calamansi! KitZai is an excellent option for an on-the-go beverage that you can sip during the summertime.

KitZai results from two years of R&D using Ultra High Temperature (UHT) technology, with extra efforts to make sure you're hydrated while enjoying a tasty beverage.

### FLAVOURS FOR THE WORLD

Internationally, the outfit exports products to Indonesia, the Philippines, Myanmar, Brunei and China. With an established track record as a beverages manufacturer steered by experienced executive directors and key management personnel, Life Water Industries Sdn Bhd is perfectly poised to seize opportunities for growth in the industry globally.

### SUSTAINABILITY IS NOT OPTIONAL

Life Water takes nature and sustainability seriously in all its endeavours. Besides installing solar panels in its factories, the company uses 100% rPET in its production process.

rPET is recycled PET made from recycled bottles. The recycling of PET bottles means that they are not disposed of in landfills.

Life Water also constantly engages with the relevant local authorities to create and participate in recycling awareness programmes to educate and instil a love for the environment, especially among the younger population.

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ Recognised by the Malaysian Book of Records as the first Malaysian Bottled Water Manufacturer to use 100% rPET bottles
- ▶ Winner of The Enterprise 50 (E50) Awards 2014
- ▶ Winner of Golden Bull Award 2012 – The 10th Malaysia 100 Outstanding SMEs
- ▶ MS 1500: 2009
- ▶ ISO 22000: 2005
- ▶ Good Manufacturing Practice (GMP)
- ▶ Hazard Analysis and Critical Control Point (HACCP)

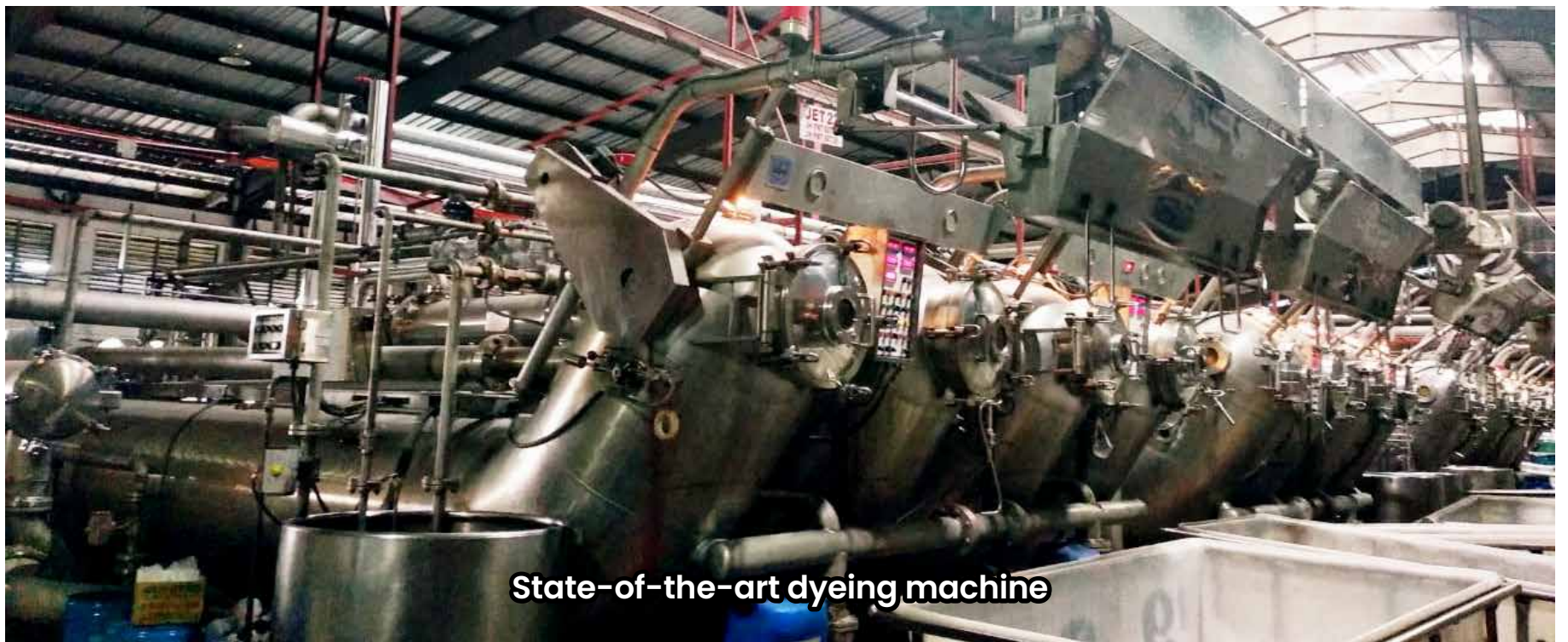


#### LIFE WATER INDUSTRIES SDN BHD

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# SINCERELY DYEING & FINISHING: SUSTAINABLE EARTH-FRIENDLY MILL



**The eco-conscious company Sincerely Dyeing & Finishing has invested in new machinery to achieve higher productivity using less energy.**

**IT** is all about dyed knitted fabrics with functional finishings. Sincerely Dyeing & Finishing's 24/7 manufacturing plant produces about 5,000 tonnes of fabrics annually using state-of-the-art dyeing and setting machines.

## **BROAD PRODUCT RANGE & CUSTOMER BASE**

Its main products cover many knitted fabrics ranging from jersey, fleece and interlock to rib, pique and others.

It has a broad customer base, including distributors with established worldwide chains and brand names such as Osh Kosh, Target Stores, GAP and K-Mart Stores.

Initially serving the local market, the 1989-incorporated dyeing mill has penetrated Cambodia and Vietnam through its sister company, Sincerely Textile Sdn Bhd. The latter's main businesses are knitting and manufacturing textiles and related products.

## **SUSTAINABILITY PROJECTS**

There's more to Sincerely Dyeing & Finishing's business than just dyeing and finishing fabrics. Being a heavy user of electricity and water, this company has undertaken various sustainability projects for greener years ahead.

It invested in biomass boilers a decade ago, and this year (2022) continues to invest in a new boiler with better efficiency in line with its energy sustainability plan. Also, it has installed a 572.4kWp photovoltaic system for clean, renewable energy that can offset 414.18 tonnes of carbon dioxide.

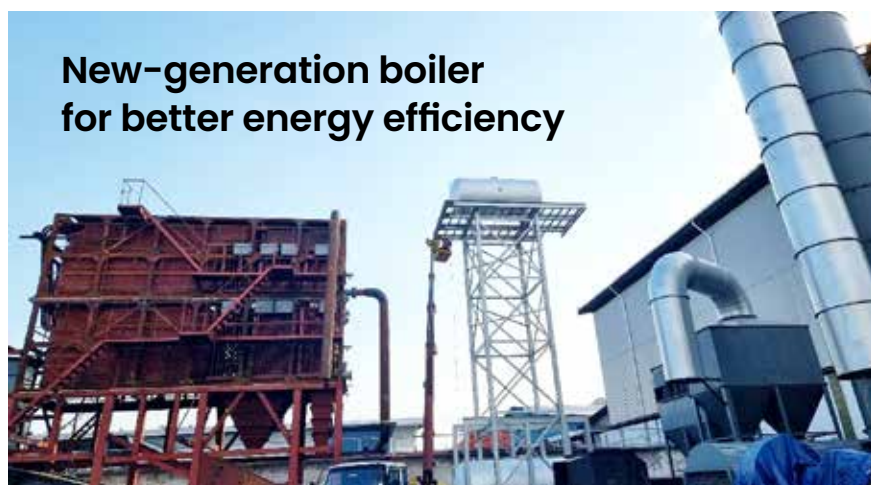
Meanwhile, it has started phase one of the 50m<sup>3</sup>/hour RO system, part of the Vision 2030 self-sustaining water treatment agenda to meet the United Nations' sustainable development goals on water and sanitation.

### REPUTABLE & TRUSTWORTHY

It has built a synergistic approach with its customers. Fabrics are sent by the manufacturer to the company's factory to be dyed and finished according to customer's specifications. Its laboratory owns one of the latest computerised colour matching equipment to match even the most demanding customers' requirements.

According to customer needs, fabrics are dyed to the required colours using high-quality dyestuffs and chemicals. Also, its dyeing machines can support fabric quantities of up to 2,000kg per lot, thereby minimising batch to batch difference.

The dyed fabrics are then dried using water extractors before being heat set to stabilise the molecular structure of the yarn and fabric. The setting machines can set the fabric from 13 inches to 104 inches.



**New-generation boiler  
for better energy efficiency**



**Dyed knitted fabrics with functional finishings**

### STRINGENT QUALITY CONTROL

The compacting process will improve the fabric's dimensional stability mechanically and not via the chemical process. The mechanical process will ensure the fabric will pass the strictest test on the formaldehyde content or any banned chemicals.

All the company's fabrics that have undergone stent finishing are 100% checked as part of quality control before packaging and delivery to customers.

### CERTIFICATIONS

- ▶ ISO 9001:2015 – SGS and the Department of Standards Malaysia
- ▶ Organic Cotton Standard (OCS 100), Control Union



#### SINCERELY DYEING & FINISHING SDN BHD

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# THE GREEN FACTORY: PAINTING THE WORLD GREEN



The Green Factory (TGF) is an initiative launched by One-Tech in 2012, which aimed to restructure the traditional carpentry business towards a greener, more sustainable concept.

**LOCATED** in Ampang, Selangor, TGF adopts a circular approach to the sustainable production of timber products, covering aspects of green manufacturing such as sourcing eco materials, green design, green building, system efficiency, waste management and education.

The 13,000 sq. ft. factory easily identifies with TGF's green initiatives. The structures have eco elements, such as natural lightings and water harvesting. They also adopt open-concept systems that allow fresh air to circulate in the compound and even a diverse collection of local botanicals that decorate the factory courtyard.

## MALAYSIAN IDENTITY

With more than 20 years of woodworking experience, TGF has developed its expertise in multiple sustainable wood product offerings, which include:

- Home & Living
- Kitchenware
- Storage & Organisers
- Work & Study
- Furniture
- Fashion
- Gifts

They are marketed under Dapo, HGC and Oran & Bula brands. These brands have a unique Malaysian stamp; Dapo is derived from the original Malay word "Dapur", which means kitchen or cooking stove, while Oran & Bula is a collaborative project by Harith Ridzuan (TGF CEO) and artist-designer Fariza Basri. Oran & Bula's core philosophy fuses Malay-inspired traditions with eco-conscious design to create a unique selection of contemporary apparel & accessories.



Minimalistic home decorations



## SAVING THE WORLD, ONE PIECE AT A TIME

The company's plans are based on the above motto. TGF aims to be the pulse of the industry and be a platform for diversity to flourish. Therefore, it is committed to providing more opportunities for women and youth to explore this industry and be a part of the journey through

Teaching Factory and future Cottage Industry programmes.

It is also constantly innovating with new ideas and products for the global market. With an export market of more than 20 countries; including Russia, Korea, the UK, the US and Australia; TGF is fully committed to the global sustainable agenda.

### Homewares made from eco-materials

#### SUSTAINABILITY IS THE FOUNDATION

TGF's operations are based on the Proactive Green System (PGS), a circular approach to manufacturing that covers each aspect of its production chain. They consist of ethical sourcing, green design, non-toxic coatings, waste management, green building elements, in-house culture and outreach initiatives.

PGS allows The Green Factory to conform to the Sustainable Development Goals (SDGs) by United Nations, especially No.12, ensuring sustainable consumption and production patterns.

TGF believes that educating and empowering suppliers and customers ensures sustainability is ingrained effectively in purchasing decisions. As part of this initiative, it regularly welcomes visitors from all walks of life to experience its concept factory - students, school children, tourists, shoppers, corporations, industry leaders and associations.

#### ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2022 Malaysian Timber Council (MTC) Industry Awards - Environment & Sustainability Distinction
- ▶ 2019 MTCC Sustainability Awards - Product Innovation & Diversification Award
- ▶ 2018 Good Design Award Japan - Green Factory Initiative
- ▶ 2018 EUMCCI Europa Award - Best Environmental Impact (SME) Award



#### THE GREEN FACTORY

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Customers today are more aware of the products they use and their environmental impacts

## MALEX PAPER PRODUCTS: SERVING UP PAPER PRODUCTS FOR F&B INDUSTRY



Having established export markets throughout the Asia Pacific, Malex Paper Products continues to be the best provider in QSR foodservice industry.

**MALEX PAPER PRODUCTS** is one of Malaysia's most established manufacturers and solutions providers for QSR (quick-service restaurant) foodservice industry. Founded over 45 years ago, the company has an excellent export pedigree reaching out extensively to locations such as Malaysia, Singapore and the vast Asia Pacific market.

Malex focuses on continuous innovation to be at the forefront of packaging services and serve the demand of this vast, ever-evolving industry by providing a complete range of packaging solutions.

### PACKAGING SOLUTIONS

The company provides a full range of foodservice packaging solutions to suit every customer's requirements – from local restaurants, café chains, and national wholesale distribution networks to branded multinational fast-food franchise corporations.

Its core product includes paper cups of all prevailing sizes, paper meal boxes, paper food containers, fast food takeaway boxes, french fries chip scoops and paper bags.

### SOLID NETWORK

In its Malaysian home turf, Malex reaches out to customers all over the country with comprehensive supply chain distribution solutions.



### Commitment towards product excellence

In neighbouring Singapore, the company has established an affiliate solutions office named Packadz Pte Ltd, capable of personalised individual outlet delivery support services from its wholly-owned distribution fleet and transit warehouse. Malex welcomes more partners to expand its regional and global footprint further.

### SUSTAINABILITY TO THE FORE

Companies must adopt solid sustainable business practices as consumers become more environmentally conscious. As a result, the paper industry has a greater potential for sustainable development than other industries.

Malex has been working with major global paper mills to source paper raw materials sustainably. It ensures that critical raw materials are sourced legally, and that paper raw materials have current FSC and PEFC certificates.

### FUTURE IN MIND

Malex intends to keep expanding its product and service offerings to reflect the evolutionary face of the food and beverage industry.

The pandemic has changed the F&B industry, food delivery and packaging requirements. Malex is dedicated to keeping its products relevant and meeting customer needs. Despite global supply chain challenges, the outfit works closely with clients to minimise impact and achieve their growth goals.

Malex also strives to be the best one-stop centre for food packaging solutions in terms of both professional consultation and service.



### Malex ensures sustainability in the sourcing of raw materials

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2021: Best Food & Beverage Packaging Solutions Company – Malaysia (APAC Insider: Southeast Asia Business Awards)
- ▶ GFSI FSSC 22000 v5 Certification
- ▶ Good Manufacturing Practice (GMP)
- ▶ Hazard Analysis and Critical Control Points (HACCP)



#### MALEX PAPER PRODUCTS SDN BHD

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Electronics pulp cushions for the electronics industry



Biodegradable tableware, made from sugarcane fibre, biodegrades within 180 days after disposal

# TELIC PAPER: SUSTAINABLE PACKAGING FOR A GREENER FUTURE



Made of recycled materials and biodegradable, Telic Paper's moulded pulp packaging and tableware meet international standards.

**TELIC** is an abbreviation for The Eco Loving Innovative Company. Established in 1983, Telic Paper is the pioneer in producing moulded pulp packaging in Malaysia, initially egg trays, then expanded to industrial and agro packaging through years of R&D and experience.

## RECYCLABLE PACKAGING SOLUTIONS

Telic Paper's products are electronics pulp packaging, which is a pulp cushion or tray to replace conventional polystyrene packaging, biodegradable tableware and disposable tableware made of sugarcane fibre (bagasse) biodegrades within 180 days after disposal. Another product is a waterproof medical pulp tray following international standards. It is used for medical waste disposable and prevents cross-contamination.

## SUSTAINABILITY CHAMPION

In championing sustainability, Telic Paper engages with Malaysian exporters to embrace sustainability. It aligns with UN's 17 Sustainable Development Goals (SDGs), a universal call to action to end poverty, protect planet Earth, and ensure that everyone enjoys peace and prosperity.

Telic Paper's engagement with Malaysian exporters to adopt sustainability is in sync with the government's initiatives under the 12th Malaysia Plan (2021-2025) to embrace a circular economy to balance socioeconomic development and environmental sustainability and advance towards Agenda 2030.

It believes these initiatives will help Malaysian exporters, especially the small and medium enterprises, to gain a strategic advantage in the global marketplace that is more sensitised to the sustainability agenda.

### DOING ITS BEST AND MORE

As for Telic Paper itself, its products are already made of recycled materials and are biodegradable within 180 days after disposal. Its moulded pulp packaging is considered sustainable because it is made of recycled materials and can be recycled after its proper lifecycle.

Telic Paper has also invested in water treatment systems, so its production uses recycled water to manufacture its products and simultaneously aligns with the SDGs.

Plans are afoot to use solar energy to dry its products and reduce overall utilities at its manufacturing plant.

### MORE COLLABS TO BOOST EXPORTS

As Telic Paper produces sustainable packaging, its primary goal is to reduce wastage and utilities of its manufacturing process. It believes its products can help with reducing non-biodegradable packaging waste.



Eco-friendly and safe papercraft for use in art and craft products

Currently, it is developing more collaborations with overseas organisations to push sustainable packaging to additional new markets.

Telic Paper plans to expand its markets in Southeast Asia and establish a sales office in the US to serve its key clients better in line with its expansion in the market. And to make the world a greener place, it will continue to replace non-biodegradable packaging with more sustainable packaging solutions.



Biodegradable egg trays

### ACHIEVEMENTS & CERTIFICATIONS

- ▶ Melaka Green Product Award 2017 & 2018
- ▶ ISO 9001:2015
- ▶ ISO 14001:2015
- ▶ Malaysia Green Product Award 2014
- ▶ Sony Green Partner – Sony Best Performance Supplier Award 2010



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# VELSON PACKAGINGS: YOUR GO-TO FOR ALL PACKAGING NEEDS



Shoppings bags and disposable gloves using green technologies that meet international standards



**As a responsible manufacturer, Velson Packagings produces biodegradable and compostable bags.**

**VELSON PACKAGINGS** is one of the first companies in Malaysia to support the government's initiative towards zero single-use plastics by the year 2030 and it is the country's leading manufacturer of custom-made printed and plain shopping and garbage bags. Having established solid export markets in Australia, India, Hong Kong, the Middle East and the USA, Velson Packagings is on the right track to being the top packaging supplier internationally.

## GREEN TECH & MATERIALS

Shopping bags, vest carriers, T-shirt bags, flexi loop bags and punch out handle bags are among Velson Packagings' main products. These bags also serve as advertisements and brand positioning for companies.

The company also produces oxo-biodegradable bags using modern green technologies that meet international standards. Compostable and biodegradable bags made of corn starch resins are its latest introduction to the environmentally friendly product market.

Bags and liners are core products of Velson Packagings. Made of high-density polyurethane (HDPE), oxo-biodegradable and compostable materials, these garbage bags are compact, durable, easy to store and feature various colours and sizes.

Velson Packagings has the capacity and extensive experience of over 30 years to design, produce and support custom-made bags for both small and big orders. In addition, it can help customers create design and packaging to increase brand recognition with their end-users and consumers.



**Velson Packagings' facility employs the latest green technologies and high-tech machinery**

### **SAFEST FOOD-GRADE PACKAGING**

Meanwhile, the company's food packaging bags cater to various food types, including fresh and frozen foods for supermarkets, cafes, restaurants and convenience stores.

For a high level of freshness of foods, these bags are of high quality and the safest food grade for packaging, non-toxic and yet within customer budgets.

### **DURABLE DISPOSABLE GLOVES**

Disposable gloves made of strong and durable polythene materials are Velson Packagings' new sanitary products. They are an economical solution for food preparation and handling, inspection purpose, usage at home and by laboratory and medical personnel, hair stylists, tattoo artists and automotive workers.

### **BRIGHT OUTLOOK & FORWARD THINKING**

As pioneers in Malaysia's compostable and biodegradable packaging industry, Velson Packagings enjoys a good market share of eco-friendly compostable products. It also collaborates with experienced technology partners to bring in new technologies to improve its manufacturing processes of bio-products for both the local and export markets. This initiative will cater to future demand if compostable packaging is made compulsory worldwide.

One of the first to make a move to change for a better environment, Velson Packagings has already started the R&D process on alternative materials and solutions for carrier bags.

### **ACHIEVEMENTS & CERTIFICATIONS**

- ▶ 4-Star Rating for SME Competitiveness Rating (Manufacturing) by SME Corporation Malaysia
- ▶ Kuala Lumpur & Selangor Indian Chamber of Commerce and Industry Entrepreneur of the Year 2019 Award
- ▶ Top 10 Winner at Enterprise 50 (#E50) Award 2019 by SME Corporation Malaysia
- ▶ SIRIM ECO 001:2018 Biodegradable and Compostable Packaging Materials Eco Label Licence No. EL000096
- ▶ ISO 22000:2018 Food Safety Management System
- ▶ Hazard Analysis and Critical Control Point (HACCP) for Manufacturing of Food Packaging Materials



#### **VELSON PACKAGINGS SDN BHD**

PT 12706-10, Batu 4 1/2,  
Jalan Teluk Batu 36/4, Section 36,  
40470 Shah Alam, Selangor, Malaysia

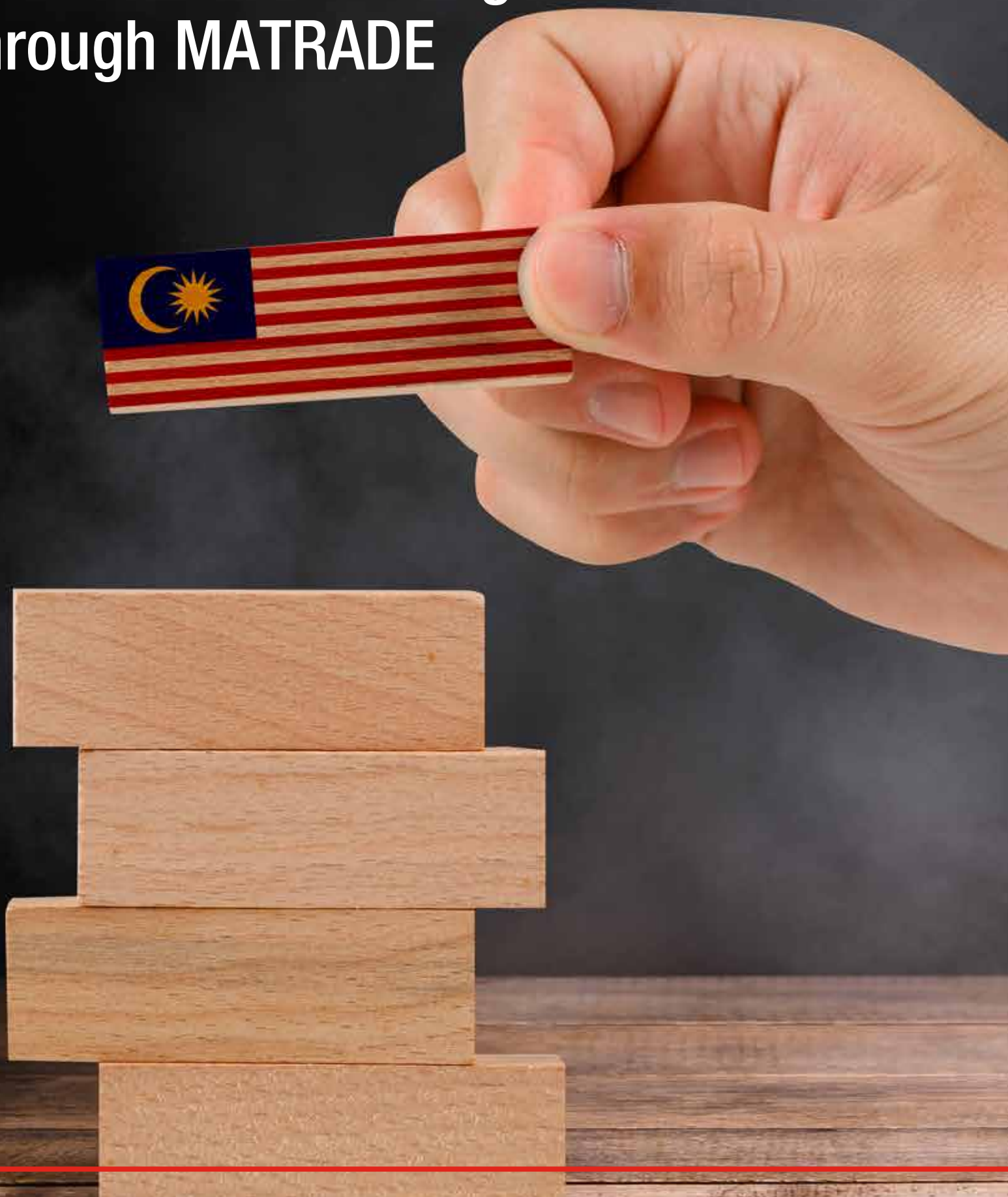
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# EXPORT PROMOTION PROGRAMMES 2022



No	Programme	Date	Location	Contact Person	Tel 03 - 6207 xxxx	Email @matrade.gov.my
<b>AEROSPACE</b>						
1.	National Pavilion at Farnborough International Airshow	16 - 22 Jul	Farnborough, United Kingdom	Mohd Shahrolnizam Mohd Shah	7533	shahrolnizam
2.	National Pavilion at Aeromart Toulouse	29 Nov - 1 Dec	Toulouse, France	Mohd Shahrolnizam Mohd Shah	7533	shahrolnizam
<b>BUILDING MATERIALS</b>						
3.	National Pavilion at Megabuild Indonesia	17 - 20 Mar	Jakarta, Indonesia	Mohd Saiful Arifin Rostam	7261	mohdsaiful
4.	National Pavilion at Mosbuild	29 Mar - 1 Apr	Moscow, Russian Federation	Nur Fatimah Anis Azaman	7260	fatimah
5.	National Pavilion at Kazbuild	7 - 9 Sep	Almaty, Kazakhstan	Rahmatul Naain Mohd Ruslan	7655	naain
6.	National Pavilion at Big 5 Dubai	5 - 8 Dec	Dubai, UAE	Mohd Saiful Arifin Rostam	7261	mohdsaiful
7.	National Pavilion at ACETECH Mumbai	10 - 13 Nov	Mumbai, India	Nur Nadia Naim	7264	nadia
<b>CHEMICALS &amp; CHEMICAL PRODUCTS</b>						
8.	National Pavilion at K Fair	19 - 26 Oct	Dusseldorf, Germany	Muhammad Hussein Abdullah	7255	husein
<b>ELECTRICAL &amp; ELECTRONICS</b>						
9.	International Sourcing Programme in conjunction with SEMICON Southeast Asia	21 - 23 Jun	Kuala Lumpur, Malaysia	Abdul Halim Mustafa	7506	a.halim
10.	National Pavilion at SEMICON West	12 - 14 Jul	San Francisco, USA	Farhana Kamaruddin	7505	farhana
<b>HALAL AND FOOD &amp; BEVERAGE</b>						
11.	National Pavilion at Gulfood	13 - 17 Feb	Dubai, UAE	Mohamad Termizi Piee	7266	termizi
12.	National Pavilion at Foodex	8 - 11 Mar	Tokyo, Japan	Harulnizam Kassim	7265	nizam
13.	National Pavilion at Finefood Australia	5 - 8 Sep	Melbourne, Australia	Harulnizam Kassim	7265	nizam
14.	Malaysia International Halal Showcase (MIHAS)	7 - 9 Sep	Kuala Lumpur, Malaysia	Nurul Huda Kamarul Baharin	7248	huda
15.	National Pavilion at SIAL Paris	15 - 19 Oct	Paris, France	Nuryati Idzfa Zakaria	7246	nuryati
16.	National Pavilion at Fi Europe	6 - 8 Dec	Paris, France	Nurul Huda Kamarul Baharin	7248	huda
<b>GREEN TECHNOLOGY</b>						
17.	International Sourcing Programme in conjunction with International Greentech and Eco Products Exhibition & Conference Malaysia (IGEM)	Oct	Kuala Lumpur, Malaysia	Hadzizi Noor Shahidan	7253	hadzizi
18.	Export Acceleration Mission in conjunction with International Biomass Expo Osaka	Nov	Osaka, Japan	Nurul Farhana Mustafa Kamal	7256	nurulfarhana
<b>LIFESTYLE (FURNITURE, FASHION &amp; COSMETICS)</b>						
19.	International Sourcing Programme in conjunction with EFE & MIFF	9 - 12 Mar	Kuala Lumpur, Malaysia	Noor Shakinah Bidin	7112	shakinah
20.	Export Acceleration Mission in conjunction with Pure London	17 - 19 Jul	London, United Kingdom	Azlina Che Dir	7111	azlina.cd
21.	National Pavilion at High Point Market	14 - 18 Oct	North Carolina, USA	Noor Shakinah Bidin	7112	shakinah
22.	Export Acceleration Mission on Cosmetics in conjunction with Cosmoprof Asia	16 - 18 Nov	Wan Chai, Hong Kong	Azlina Che Dir	7111	azlina.cd
<b>MACHINERY</b>						
23.	National Pavilion at Industrial Transformation Asia Pacific (ITAP)	19 - 21 Oct	Changi, Singapore	Tengku Nural Tengku Asri	7510	nural
<b>MEDICAL &amp; HEALTHCARE</b>						
24.	National Pavilion at Arab Health	24 - 27 Jan	Dubai, UAE	Mohd Shafiq Nasarudin	7110	shafiq
25.	International Sourcing Programme in conjunction with APHM International Healthcare Conference & Exhibition	31 May - 2 Jun	Kuala Lumpur, Malaysia	Mohd Shafiq Nasarudin	7110	shafiq
26.	National Pavilion at Medical Fair Asia	31 Aug - 2 Sep	Singapore	Ahmad Nazriq Shafaf Ahmad Nazimuddin	7109	nazriq
<b>MIXED</b>						
27.	International Sourcing Programme Europe for Premium Buyers	1 Apr - 31 Dec	Kuala Lumpur, Malaysia	Mohd Amsyari Yahya	7682	amsyari
28.	International Sourcing Programme Americas for Premium Buyers	1 Apr - 31 Dec	Kuala Lumpur, Malaysia	Muhammad Amin Amirul Zaman	7685	aminamirul
29.	National Pavilion at China-South Asia Expo	12 - 18 Jun	Yunnan, China	Hon Jia Xin	7234	jia
30.	Export Acceleration Mission to Almaty & Tashkent	Jun	Almaty, Kazakhstan & Tashkent, Uzbekistan	Rahmatul Naain Mohd Ruslan	7655	naain
31.	Export Acceleration Mission to Phnom Penh	19 - 21 Jul	Phnom Penh, Cambodia	Yazrin Syakhairi Mahlan	7229	yazrin
32.	Export Acceleration Mission on Cross Border e-Commerce to Jakarta	16 - 18 Aug	Jakarta, Indonesia	Mohd Firdaus Mohammad	7228	firdaus
33.	Export Acceleration Mission to Kolkata & Dhaka	Aug	Kolkata, India & Dhaka, Bangladesh	Muhammad Syafiq Muhammad Salim	7115	syafiq.salim
34.	Export Acceleration Mission on Malaysia Capabilities in Modern Trade on ICT Services, Lifestyle and F&B to Yangon	7 - 9 Sep	Yangon, Myanmar	Mohd Zahiruddin Nordin	7224	zahir
35.	National Pavilion at China ASEAN Expo (CAEXPO)	10 - 13 Sep	Nanning, China	Hon Jia Xin	7234	jia
36.	Export Acceleration Mission to Batam, Kepulauan Riau	27 - 29 Sep	Batam, Indonesia	Mohd Firdaus Mohammad	7228	firdaus
37.	Export Acceleration Mission to Manila	25 - 27 Oct	Manila, Philippines	Jekatheesh Menon Narayanan	7226	jekatheesh
38.	Export Acceleration Mission to Doha & Kuwait City	Oct	Doha, Qatar & Kuwait City, Kuwait	Haslinda Hassan	7104	haslinda.h
39.	National Pavilion at China International Import Expo (CIIE)	5 - 10 Nov	Shanghai, China	Yeow Chin Chin	7231	chin
40.	Export Acceleration Mission to Accra in conjunction with Ghana International Trade Fair & Durban	tbc	Accra, Ghana & Durban, South Africa	Nurfatin Amirah Azmi	7103	nurfatin
<b>OIL &amp; GAS</b>						
41.	National Pavilion at Oil & Gas Myanmar	18 - 19 Mar	Yangon, Myanmar	Hadzizi Noor Shahidan	7253	hadzizi
42.	International Sourcing Programme in conjunction with Malaysia Oil & Gas Services Exhibition and Conference (MOGSEC) for Premium Buyers	13 - 15 Sep	Kuala Lumpur, Malaysia	Mohd Nadzri Saadon	7264	mnadzri
43.	National Pavilion at Abu Dhabi International Petroleum Exhibition & Conference (ADIPEC)	7 - 10 Nov	Abu Dhabi, UAE	Irvin Francis	7254	irvin
<b>SERVICES (ICT, PROF. SERV, MRO, SHIP BUILDING &amp; SHIP REPAIR)</b>						
44.	National Pavilion at Transport Logistics China	15 - 17 Jun	Shanghai, China	Mohamad Nazirul Iman Mohamad Akbar	7546	nazirul
45.	National Pavilion at Mobile World Congress	29 Jun - 1 Jul	Shanghai, China	Tusilah Asari	7503	tusilah
46.	National Pavilion at Tokyo Game Show	15 - 18 Sep	Chiba, Japan	Tusilah Asari	7503	tusilah
47.	National Pavilion at Aviation Week MRO Asia Pacific	20 - 22 Sep	Singapore	Mohd Shahrolnizam Mohd Shah	7533	shahrolnizam
48.	Export Acceleration Mission on Professional Services to Jakarta	Oct	Jakarta, Indonesia	Azrul Ezwan Ahmad Zaini	7262	azrul
49.	Export Acceleration Mission on Professional Services to Suva	8 - 10 Nov	Suva, Fiji	Syed Sahibul Syed Abdul Hamid	7263	sahibul
50.	Export Acceleration Mission on Maritime Industry to Dubai	Oct	Dubai, UAE	Nurul Shafiqah Mohd Inderam	7542	shafiqah

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