



KEMENTERIAN TENAGA, SAINS, TEKNOLOGI,
ALAM SEKITAR DAN PERUBAHAN IKLIM
MINISTRY OF ENERGY, SCIENCE, TECHNOLOGY,
ENVIRONMENT AND CLIMATE

MCY AWARD 2018 FINALISTS



MALAYSIA
COMMERCIALISATION
YEAR

mcyportal.mestec.gov.my

17-20 OCTOBER 2018
KUALA LUMPUR CONVENTION CENTRE

CATEGORIES & PRIZES

MALAYSIA COMMERCIALISATION YEAR AWARD

CATEGORIES

Supreme Award

RM100,000

Commercial Deal Award

RM130,000

Emerging Innovator Award

RM130,000

Research & Business Partnership Award

RM130,000

Social Entrepreneur Award

RM130,000

Research Entrepreneur Award

RM130,000

5 Consolation Prizes

RM50,000



Consolation

Main

Supreme

Product

Advanced Sheet Piles

Organisation

Advanced Geomechanics
Sdn. Bhd. and Sirim Bhd.
(Malaysian Technology
Development Corporation)



Description

Advanced Sheet Piles (ASP) are large section of sheet piles that are specifically designed as huge stiff cantilever walls that can be used without expensive backs to retain landslide, shallow excavations or form deep river side wall protections. This is achieved through its unique cold formed integral interlock, which enables numerous interlocking configurations of the sheet piles. The strength of ASP wall is stronger or equivalent to a reinforced concrete diaphragm wall and *contiguous bored piles*.

E-mail: ongcc08@outlook.com

Product

AndroEx

Organisation

Biopro Cosmeceutical
Sdn. Bhd.
(Technology Park
Malaysia)



Description

Andrographis Paniculata with
Andrographolide as active ingredient for skin
anti-aging, skin repair and skin lightening.

E-mail: bioprocosomeceutical@gmail.com

Product

Battery Pack C13

Organisation

Conjunto Thirteen Sdn.
Bhd. (Malaysia
Innovation Foundation)



Description

Battery Pack C13 is an environmental and user-friendly energy storage device to substitute generator set used by hawkers in night market.

E-mail: ferozzainal13@gmail.com

Product

Calcium Soap-Based Feed

Organisation

Gruncchem Tech Sdn. Bhd.
(Technology Park
Malaysia)



Description

Rumen bypass fat designed for high milk-yielding dairy ruminants (animals with 4 stomachs) such as cows, goats and sheeps. It is also to improve fertility and increase fat content in milk and enhance body condition and health of ruminants.

E-mail: suib@gruncchem.com

Product

Carpit Mobile App

Organisation

Global Carpit Sdn. Bhd.
(Technology Park
Malaysia)



Description

Carpit is an app for car owner to find trustworthy tyre shops. Users can instantly find the best prices of tyres and services from close to 300 tyre shops by downloading the free mobile application.

E-mail: qiyao@mycarpit.com

Product

COCOS EMULSION

Organisation

Malaysian Agricultural
Research & Development
Institute (MARDI)



Description

A stable Virgin Coconut Oil (VCO) emulsion product with great potential usage as daily food nutritional supplement for people at all ages to strengthen the body's immune system and to prevent cold, flu and other infection.

E-mail: karenkoh@mardi.gov.my

Product

Crab Housing Innovation for Local Community In Sarawak

Organisation

Universiti Malaysia
Sarawak



Description

A unique system based on the flow-through natural water system and natural sea tidal. It is cheap to build and the design feature can be easily monitored and maintained. A mobile application is also designed to complement the operation by establishing a digital micromanagement monitoring system.

E-mail: mysaiful@unimas.my

Product

DERMAGs Skin Solution
(Intensive Brightening
Series & Anti-Aging with
alpha-MAGs)

Organisation

Biopro Cosmeceutical Sdn.
Bhd. (Technology Park
Malaysia)



Description

DERMAGs Skin Solution is a research-based product range that uses niosome as a nanocarrier for penetration enhancer of alpha-MAGs in cosmeceutical application and delivery system.

E-mail: bioprocosomeceutical@gmail.com

Product

Emergency Evacuation System

Organisation

Anderes Fourdy Sdn. Bhd.
(Technology Park
Malaysia)



Description

Emergency Evacuation System resolves issues of tedious and manual tabulation of accurate headcount during emergency evacuation of a building and identify those that have not exited the building. It is autonomous, wireless and uses permitted Ultra High Frequency (UHF) radio-frequency identification (RFID). The system is both a proprietary software developed in-house and hardware - interrogators, readers and cards.

E-mail: azhari@anderesfourdy.com

Product

Figs: FigSol: From farm to product

Organisation

Malaysian Agricultural Research & Development Institute (MARDI)



Description

FigSol is meticulously researched fig-based products and rich in bioactive ingredients and nutrients for health benefit. The invention involves concentrated health drink formulation and the formulation of figs leaf extract rich in furanocoumarin and epigenin glucoside in capsules and oil.

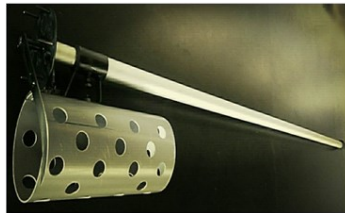
E-mail: azuraida@mardi.gov.my

Product

Galah Tuis

Organisation

Universiti Teknologi
MARA Perlis (Malaysia
Innovation Foundation)



Description

Galah Tuis is used to wrap fruits in high tree branches as an alternative to replace the ladder. It is easier to use, faster & safer to wrap the fruits rather than using the ladder.

E-mail: azhar954@perlis.uitm.edu.my

Product

Green Urea

Organisation

Universiti Teknologi
PETRONAS



Description

Green Urea offers a clean and green method for future that might change the landscape of petrochemical industry. It helps to create a better nutrient uptake efficiency of the crops and reduces application intervals and eventually enables Green Urea to function as an Enhanced Efficiency Fertilizer (EEF).

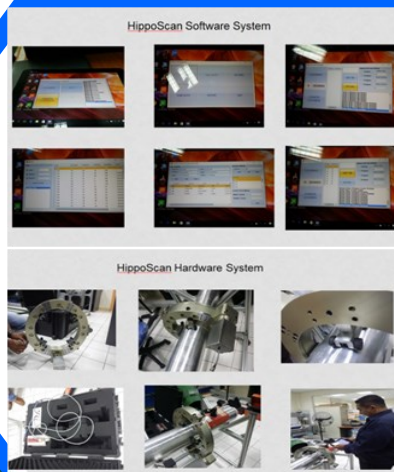
E-mail: noorhana.yahya22@gmail.com

Product

HippoScan

Organisation

Malaysian Nuclear
Agency



Description

HippoScan is an advanced mechanism of neutron backscattered technique. It is portable, non-intrusive measurement and does not need removal of any part of the insulation prior to measurement. It identifies the presence of moisture in insulation that can be used on a wide range of process vessels and transfer lines and responds specifically to moisture presence within insulation. It also identifies wet insulation that may lead to corrosion and ultimate failure of plant vessels and pipe work.

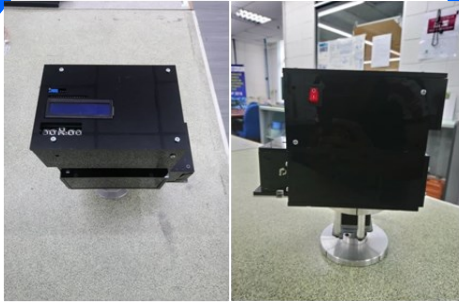
E-mail: fakarudin@nm.gov.my

Product

INNOQIBLA

Organisation

Universiti Kebangsaan
Malaysia (UKM)



Description

INNOQIBLA is used to automatically determine the direction of the Qiblah based on True North in accordance to the rotation of the Earth. This Micro-Electro-Mechanical Systems (MEMS) based device is free from magnetic field interference. INNOQIBLA is easy, fast, lightweight with high accuracy and can be used anywhere and anytime. INNOQIBLA can also be used in building construction.

E-mail: noa@ukm.edu.my

Product

KELAPA HYBRID MARDI

Organisation

Malaysian Agricultural
Research & Development
Institute (MARDI)



Description

MARDI has developed three new coconut hybrids, namely CARECA, MARLECA and MYLAG. The hybrids have been tested for the last 10 years in terms of growth performance, yields and nuts components analysis. It is capable of producing higher yield in a shorter duration compared to the traditional plant, Malayan Tall.

E-mail: amad1960abin@gmail.com

Product

Lemongrass Biodegradable Plastic

Organisation

Anarich Sdn. Bhd.
(Malaysian Technology Development Corporation)



Description

Biodegradable lemongrass plastic bag is a combination of repellent and plastic bag for indoor and outdoor garbage disposal to landfill.

E-mail: anarich17@gmail.com

Product

Lutah Fuel Booster

Organisation

Lutah Resources Sdn. Bhd.



Description

LUTAH Fuel Booster is a palm oil-based fuel additives tablet suitable for both petrol and diesel powered vehicles engines to be used in automotive and industrial.

E-mail: lutahfuel@gmail.com

Product

Detachable Electrical Extension Sockets

Organisation

Far East Pyramid Sdn. Bhd.



Description

Detachable Electrical Extension Sockets can be extended, relocated and carried anywhere. Detachable Electrical Extension Sockets is smart, trendy and multifunctional.

E-mail: thlau@fareastpyramid.com

Product

Portable High
Measurement System

Organisation

National Metrology Institute
of Malaysia



Description

Portable High Measurement (PHM) System is a high accuracy measurement system for headlight measurement specifically designed for road vehicles. This system is vital tool for vehicle inspection centre, automotive garage, lorry builders and related enforcement agencies.

E-mail: mnizam@sirim.my

Product

PROSPEK KERJAYA

Organisation

MIMOS Berhad



Description

Prospek Kerjaya assists individuals to assess their career interests. It targets school children as early as and above 15 years old and it identifies the strengths of their career interests. It advises on the suitable field of studies based on the career interests, the relevant courses that are available at the respective academic-based and skill-based institutions in Malaysia as well as universities in countries that accepts entrance with Sijil Tinggi Pelajaran Malaysia (STPM).

E-mail: pk@mimos.my

Product

Pulp from Rice Straw

Organisation

Forest Research Institute
Malaysia (FRIM)



Description

This is a new process in producing pulp and chemicals from rice straw. It is suitable for pulp moulding products and an environmentally friendly process for producing pulp and chemicals from rice straw.

E-mail: rushdan@frim.gov.my

Product

QuikHalal

Organisation

Universiti Teknologi
Malaysia
(HOLISTICS Lab Sdn. Bhd.)



The Fastest, Easiest and Smartest
Way to Halal Compliance

Description

This is the first cloud-based mobile halal auditing app that can reduce the complexity, time and cost of the halal auditing process. QuikHalal helps halal auditors to execute the auditing process and collect evidence by capturing and annotating photos from the mobile devices. It can also automatically generate the halal non-compliance report.

E-mail: iskandar@holisticslab.my

Product

Rescue-i Monitoring System

Organisation

Universiti Teknologi PETRONAS



Description

Rescue-i Monitoring System is a smart digital control system purposely for rescuer's monitoring during their operation. It employs a real time system that integrates the software modules, hardware sensor and data communication through radio network.

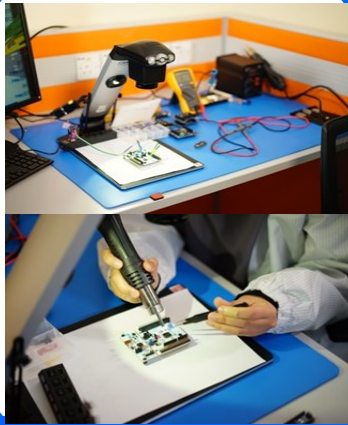
E-mail: azwinahmad@gmail.com

Product

Smart Card Reader Security Assessment

Organisation

CyberSecurity Malaysia



Description

Smart Card Reader Security Assessment is a national security assessment framework providing a clear and reliable evaluation of the security capabilities of Smart Card Reader. It provides an independent assessment of the product's ability to meet security standards, with the goal of providing confidence to customers in the security aspects of the product.

E-mail: niroshini@cybersecurity.my

Product

STRIX Nest Fully
Autonomous Unmanned
Aerial System &
Ground Sensors

Organisation

Precision Agriculture
Robotics Sdn. Bhd.
(Technology Park
Malaysia)



Description

STRIX Nest is a fully autonomous aerial system, capable of operating in a remote environment without any human operator. This system which is combined with ground sensors placed in soil/ponds, allows for continuous, low-cost agriculture/aquaculture data capture.

E-mail: marwan@pragbotix.com

Product

Task Manager Profiler

Organisation

Universiti Utara Malaysia



Description

Task Manager Profiler is an innovative learning module based on board game concept. It uses simulated learning in the classroom where the students or attendees can experience a variety of scenarios and tasks to promote effective teamwork.

E-mail: shahrulazmi1972@gmail.com

Product

TrueCare™ 786

Organisation

Fidah Sdn. Bhd.
(Malaysian Palm Oil Board)



Description

Malaysian Palm Oil Board (MPOB) and Universiti Putra Malaysia (UPM) successfully developed TrueCare™ 786 organic fertilizer and licensed it to Fidah Sdn. Bhd., for commercial production. It is a new innovative patent technology for controlling Ganoderma disease for growth and yield of oil palm which contains balanced nutrients (N, P, K and Mg), powdered empty fruit bunches (EFB) and beneficial nutrients elements.

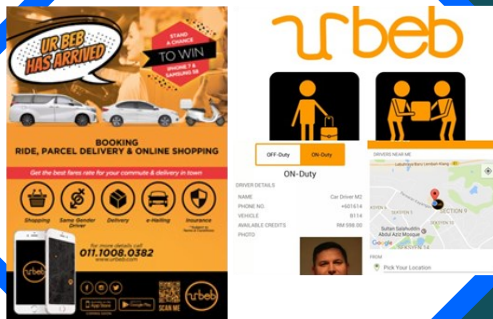
E-mail: idris@mpob.gov.my

Product

URBEB

Organisation

URBEB Sdn. Bhd.
(Technology Park
Malaysia)



Description

URBEB is an integrated application system that combines multiple service features into one single application which enhances and embraces community building and empowerment through leveraging a unique “Share Economy” platform. It consists of the following modules: On-Demand E-Hailing Services (with same gender selection), On-Demand Delivery Services, E-Commerce Marketplace (from food to goods) and other customizable services.

E-mail: shahriz2002@gmail.com

Product

Versatile Graphene

Organisation

Universiti Putra Malaysia
(GO Advanced Solutions
Sdn. Bhd.)



Description

Versatile Graphene adopts an eco-friendly strategy to extract graphene directly from graphite. This process has the potential to position Versatile Graphene as the most economical product and enables mass production of graphene. Versatile Graphene has been successfully commercialized for R&D purposes to universities and research institutes, and starting to show marketability in industrial sectors such as i) nitrile/natural rubber products like gloves and condoms, ii) nanofluid coolant, iii) inkjet printer inks, iv) energy storage like batteries and supercapacitors.

E-mail: hongngee@upm.edu.my

Product

YUMNY Mi Sayur

Organisation

Malaysia Innovation
Foundation



Description

Yumny Mi Sayur is vegetable-based noodle with quality nutrition like fibre, protein, vitamins with natural colours and taste and low in carbohydrate. It has great potential to allow lower and middle-income group to obtain nutritional food with low cost. It also reduces risk of chronic diseases like diabetes and heart diseases.

E-mail: ruzaimi@yim.my

Notes

Notes



MINISTRY OF ENERGY, SCIENCE, TECHNOLOGY, ENVIRONMENT AND CLIMATE CHANGE (MESTECC)

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