

THE MDBC INNOVATION & SUSTAINABILITY AWARDS 2018

SHORTSLITED FINALISTS

BEST SOCIAL INNOVATION

Arcadis Malaysia Sdn Bhd

W: www.arcadis.com

Title of Innovation: Deep Orange

Summary: Deep Orange is a global co – creation and innovation program hosted by Arcadis in Malaysia and co – hosted with InvestKL to address key issues around affordable housing, mobility, and construction safety with the ultimate goal of improving liveability in Kuala Lumpur. The program brought together a diverse range of stakeholders across Kuala Lumpur and the globe to design for success and solve issues with innovative solutions in a four – day design sprint applying the framework of design thinking.



Digi Telecommunications Sdn Bhd

W: www.digi.com.my

Title of Innovation: Yellow Heart for Safer Internet

Summary: Yellow Heart is committed to keep families safe through responsible digital usage and nurturing digital citizenship behavior amongst children. With more children accessing the internet at an early age, many have admitted to not being equipped to recognize cyber risks and to act accordingly with confidence. Yellow Heart provides engaging and interactive education to build digital resilience towards these risks and works through partnerships to provide access to support systems for children.



Make It Right Movement

W: www.makeitrightmovement.com

Title of Innovation: Make It Right Movement (MIRM)

Summary: Founded in 2015, MIRM is the CSR initiative of Brickfields Asia College, IACT College, and Veritas University College which collectively make up the Brickfields Asia College Education Group. MIRM supports over 200 charity and CSR related projects annually involving staff and students whenever possible. MIRM seeks to support and empower internal stakeholders and the community at large via fund raising management, capacity building, strategic planning, project management, and social media management.



Shell Malaysia Limited

W: www.shell.com

Title of Innovation: Cultivating Malaysian Engineers Through #MyGeekMovement

Summary: #MyGeekMovement supports the Malaysian government’s agenda of developing more youths into future engineers and scientists, strengthening Malaysia’s capability to be an international leader in technology. By embedding interest in sciences amongst 225 lower secondary school students nationwide, the program expects these students to pursue careers in science disciplines. #MyGeekMovement does this by immersing these students into the world of science, technology, engineering, and mathematics (STEM) through STEM education tools such as the Arduino platform and Google app development.



BEST ENVIRONMENTAL INNOVATION

Expleco Ltd

W: expleco.com

Title of Innovation: Glass to Sand

Summary: Expleco has developed compact glass bottle crushers for the hospitality industry and now sell their glass to sand solution in more than 60 countries. They give customers in remote locations an opportunity to take control of their own glass packaging waste and put the by – product to meaningful use.



HEINEKEN Malaysia

W: www.heinekenmalaysia.com

Title of Innovation: W.A.T.E.R Project – River and Water Conservation

Summary: W.A.T.E.R (Working Actively Through Education & Rehabilitation) Project is a collaboration between SPARK Foundation, CSR arm of HEINEKEN Malaysia Global Environment Centre (NGO), government agencies and communities, which aims to empower communities to safeguard the quality of rivers and protect our water resources through community-based programmes. In the last 10 years, we have invested RM8 million in outreach

programmes, established 12 active river care communities along six rivers and engaged 30,000 Malaysians in river rehabilitation.



Paques Asia Pacific Sdn Bhd

W: en.paques.nl

Title of Innovation: Circular Sustainable Solutions for Toxic Biogas

Summary: By 2020 the Malaysian Palm Oil Industry needs to capture all the Biogas to prevent emission of CO₂ to clean its environment and contribute in the fight against global warming. The Biogas can be used as a power source to gas engines, boilers or to convert to CNG. However, Biogas can be highly toxic and corrosive due to the H₂S content in the Methane. By applying the Thiobacillus (a sulfur oxidizing bacteria) in the Paques Thiopaq® system, the Biogas from the Palm Oil industry can be cleaned (removal of H₂S) and used as a power source in a safe manner. The project is to introduce this system to the Malaysian Palm Oil Industry and prove its advantages.



Sime Darby Research Sdn Bhd

W: www.simedarbyplantation.com

Title of Innovation: Palm Oil Zero Discharge Technology

Summary: Zero Discharge Technology, a game changing innovation features an advanced membrane filtration and oxidation technology for palm oil wastewater treatment, enabling production of recyclable water. Additional revenues are generated through recovery of oil from liquid waste stream and eco – biosolid production. This project, inspired by the World Sustainable Development Goals (SDG), is one of the company's initiatives in making its operations more sustainable and environmentally friendly.



BEST START – UP / SCALE – UP IN SUSTAINABLE INNOVATION

Abmanan Biomedical Sdn Bhd

W: www.atoomann.com

Title of Innovation: Haruan Channa Striatus

Summary: The Haruan Channa Striatus is a freshwater indigenous species of fish and is a traditional medicine used for quick recovery after giving birth. The medicinal value is the key in the development of Haruan's extract, known as Haruan Manan (HM), a very promising nd

high potential natural product active pharmaceutical ingredient (API). All activities are done in a holistic way, maintaining sustainability in an environmentally friendly ecosystem.



Bayz Parking

W: www.bayzparking.com

Title of Innovation: Marketplace Solution for Parking using IoT

Summary: Bayz Parking focuses on allowing residents and mall operators rent out idle parking spaces and make money in the process. Bayz has also developed a high tech solution that allows users to search, book, and pay for parking. It also allows users to use their phones as a means to gain access to a premises. In the future, Bayz will focus on making a network of affordable parking spaces available that offer charging stations.



MikeBikes

W: www.mikebikes.my

Title of Innovation: Guided Cycle Tours in Kuala Lumpur: A Novelty!

Summary: Tourists and employees of companies can explore and experience Kuala Lumpur on a bicycle under guidance. This green and active way of transport exists in all capitals of the world. The routes are made in collaboration with Cycling KL, who has mapped cycle friendly back alleys and streets in KL. MikeBikes connected this with heritage and interesting places. Facilitating local companies and tour guides to offer daily packages with a group of high visible clients to increase, in a safe way, awareness of motorized traffic participants.



Malaysia Institute for Supply Chain Innovation

W: www.misi.edu.my

Title of Innovation: Yield Improvement Through Logistics Optimization for ISHF

Summary: This project aims to increase the independent small holder farmer's livelihood through a logistics optimization model primarily focused on the transportation function across the supply chain. In addition, it aims to keep these independent small holder farmers, or ISHFs, relevant in the supply chain by endorsing sustainability. It hopes to create a new market space for technology based solutions to track the on – farm and off – farm activities in alignment with the transportation function.



MN Empire Sdn Bhd

W: www.mncorp.com.my

Title of Innovation: Malaysia’s First Solar Powered Mosquito Eliminator

Summary: With the number of dengue cases rising in Malaysia every year, MN Empire strongly believes that the dengue issue needs to be tackled through more creative, innovative, and integrated methods. The mosquito trap that is commonly found in the market is only designed for indoor use and will only trap adult mosquitoes where most as mosquito culex. The Aedes mosquito, which is responsible for dengue, is still able to survive and breed. In order to reduce dengue cases, we need to prevent mosquitoes from breeding and hatching. MN Empire has invented a solar mosquito eliminator device. This device is designed to kill both adult and immature mosquitoes.



Serv Technology Sdn Bhd

W: www.serv.my

Title of Innovation: Serv is an on – site car service platform

Summary: Serv is an online platform to make car ownership easier by bringing car service to the customer’s location. Believing that a well – maintained vehicle is key to road safety, SERV builds a well – regulated platform to provide convenient, fast, and reliable service in car maintenance. The platform also helps mechanics registered as Serv Partners gain incomes without needing a high capital cost to offer their services.

