

UMS, firm join forces to combat air pollution

BP 22.3.2019 3

KOTA KINABALU: University Malaysia Sabah (UMS) Faculty of Engineering has entered into collaboration with Exorin Technologies Sdn Bhd to improvise and complete the Exorin Engine Rejuvenation System, a flagship technology to improve efficiency of commercialisation and mass production.

This is after a joint testing conducted by the Exorin team with Sabah Electricity Sdn Bhd (SESB) on its big diesel power plant showing a return of 374% or RM140,000 return-on-investment generated from one diesel generation is possible.

In this collaboration, a fleet of UMS buses will be used to test the efficiency of Exorin product to reduce harmful exhaust emission and black smoke such as the carbon monoxide, hydrocarbon and black carbon emission which are the major pollutants from diesel emission that is causing air pollution, World No. 1 health risk factor

that is responsible for causing seven million deaths per year globally announced by WHO (World Health Organisation) in 2017. These emissions are also climate pollutants warming our planet.

UMS Faculty of Engineering Dean Professor Dr Kasim Bin Mirasa said this Letter of Intent (LOI) will be a great opportunity for UMS to learn about green industry, using this technology to bridge with the industry.

"UMS and the Exorin team are working very hard to make this technology available for everyone in a fast, simple and inexpensive product form so that everyone can play a part to share a global responsibility in taking care of our environment. This technology once completed, will be a win-win solution to combat the rising pollution and climate change. This technology has the potential, using its cost saving benefits to lead our local industry towards a low carbon economy,"

he said.

Clement Lee Nyuk Yin, founder and managing director of Exorin Technologies Sdn Bhd, said since 2009, Exorin has been introduced in the market under the name 1Solution to the Tawau Public Works Department.

"This technology has taken the automotive, 4x4 association and specialist workshop by storm. However, after realizing that it is costly, we continued our research on the formulation. Our technology is proven to work on every diesel engine.

"Now with UMS experts to enhance with an enriched formulation, we take this opportunity to ask every Malaysian industry to give this local Sabah developed and produced product a chance.

"This is no longer about us promoting our technology as we have given it all for our environment, our next generation and its next," he said.

Lee added a reduced emission



Kasim (left) and Clement Lee (right) exchanging the Letter of Intent.

campaign is in discussion with local authority to bring this win-win technology directly to fleet owners, transporters, manufacturing and the local industries.

"We will be selecting a list of well-established local organisations to promote as a role-model to encourage the industry to start reducing emission as a Corporate Social Responsibility (CSR) program. Through power generation, manufacturing and transportation sector the major

contributor of GHG emission in Malaysia, this campaign will make an enormous impact on our environment," he said.

Dr Abu Bin Zahirim, UMS Faculty of Engineering Deputy Dean (Research and Innovation), said in the future, expert from Faculty of Engineering UMS will collaborate with Exorin to assess the performance of Exorin product and consequently move towards improving the current product for wider market.

In addition, he said third year students from the faculty will

be trained at Exorin Centre to strengthen their knowledge practically on especially internal engine combustion.

Abdullah Mohd Tahir, UMS Faculty of Engineering Senior Lecturer and Coordinator of Exorin Project, said UMS will be able to quantify the product improvements towards diesel engines, where the improved performance on the buses drive ability and emission control, especially on the smoke emission which is both a climate pollutant and air pollution.