

Faculty of Engineering UMS Bridging Network Industry with Eco-Oils Sdn Bhd in Lahad Datu

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Increasing the industry cooperation through network discussions and visits headed by dean faculty, Prof. Ir. Dr Abdul Karim Mirasa and few lecturers to Factory EcoOils Lahad Datu

Sdn Bhd recently is one of the active approaches by the Faculty to synergised and strengthen industry relationship.

The meeting also presented an opportunity for EcoOils to present the detailed production process and the differentiation elements from other similar competitors.

UMS representatives were able to understand in depth the additional steps involved in production, which uses EcoMineral (final product after oil extraction from Spent Bleaching Earth) in a self-sustaining power generation system using steam to operate the plant.

Furthermore, the plant tour enabled UMS to visualize the investments and the measures taken by EcoOils to be truly Eco-friendly without disposed their spent bleaching earth after oil extractions to landfills.

Even though steam boiler produce end product or ash residue named as EcoProcessed Pozzolan (EPP), it is however have positive prospect application in mix concrete and brick manufacturing.

Prompted discussions on other avenues for R&D with UMS such in potential uses in asphalts, tiles, building materials, glass manufacturing with some of the possible innovations includes, silicon wafer and ceramic water filter.

Meanwhile, both UMS and EcoOils also benefited from the discussions toward the advantages to students from the teaching factory which produces the interlocking bricks.

EcoOils's EPP has allowed them to explore another avenue to potentially reduce cost and produce cheaper and more functional products for the market.

The presentation of the completed projects by UMS using EPP enabled EcoOils representatives to envisage the use of the IBS in actual construction and the potential as an alternative building solution. Hence, produce sustainable construction material in line with concept 'waste to wealth'.

In a nutshell, the collaboration visit by UMS to Lahad Datu EcoOils SDN BHD was fruitful to both parties and provides a platform for a closer relationship and improved knowledge transfer.

The objective to reach better understanding and outline the collaborations for future efforts were truly achieved during this visit.