

Unimas enters into joint venture to develop solid waste to fuel gas

KUCHING: Universiti Malaysia Sarawak (Unimas) and Prima Natural Resources Sdn Bhd will sign a Memorandum of Agreement (MoA) today to research and develop a solid waste to fuel gas conversion system.

Wong Chung Tiew, managing director of Sibu-based Prima Natural

Resources, invented the non-polluting and low-cost technology to convert solid and plastic waste into synthetic gasoline and diesel fuel for more than 20 years.

The agreement will be signed by vice chancellor of Unimas Professor Abdul Rashid Abdullah and Wong, witnessed by chairman of the board

of directors of the university, Tan Sri Datuk Amar Bujang Mohd Nor.

The research and development will also include construction of a pilot "plant scale" system at the university's Energy Park.

In a press release, Wong said he started developing the system based on his experience of trying to rid

organic waste from his chicken farm in Sibu.

The system, which he has patented in over 120 countries, has since been developed to convert other wastes including plastic and rubber tyres.

Researchers and scientists at Unimas said they were attracted to the technology as it is "significantly

different" from other related technologies.

The main objective of their research is to optimise the technology.

This involves quantitative studies with special focus on thermochemical reactions and measurements of physical properties during the conversion process.