

DE 80.7.13.4

# UMS-Titec partnership on nano tech

KOTA KINABALU: Universiti Malaysia Sabah (UMS) and Tokyo Institute of Technology (Titec) are laying out the blueprints for commercialising a project involving nano technology and oil and gas.

The partnership aims to commercialise nano fibres and nano fibre membranes as products for use in the oil and gas industry.

The nano fibres will be used to absorb oil spills in the oil and gas industry while nano fibre mem-

branes would be used for seawater distillation and transforming water waste into clean water.

According to a research done by UMS and Titec, nano fibres are able to absorb up to 50 grams of oil for each gram of fibre in less than 30 seconds. This would make it possible to absorb about one tonne of oil in an hour.

A statement released by UMS said that the technology is the first of its kind in the oil and gas

industry.

Meanwhile, the nano fibre membrane is able to save up to 50 per cent of the energy used to in reverse osmosis and is able to reduce clogged membrane problems.

UMS Vice Chancellor Datuk Dr Mohd Harun Abdullah led the UMS group to Titec in Tokyo recently to strengthen the partnership between the two institutions.