



## PRESS RELEASE

S.A. 2020/10/74 (HQ)

### **TNBES PROVIDES SMART ENERGY EFFICIENCY SOLUTIONS FOR INSTEP**

Tenaga Nasional Berhad (TNB) through its wholly-owned subsidiary, TNB Energy Services Sdn Bhd (TNBES) has inked a Smart Energy Efficiency (SEE) agreement with Institut Teknologi Petroleum PETRONAS (INSTEP), Kuala Terengganu, that will save INSTEP about 407,880 kWh of energy per year.

With such annual energy saving projected, the RM2.45 million pact will reduce carbon dioxide emissions by approximately 288 metric tonnes per year, equivalent to the amount of carbon dioxide absorbed by 4,769 tree seedlings over 10 years.

The 10-year agreement, ending 2030, allows TNBES to organise and facilitate the best operating expense strategy for INSTEP in terms of energy efficiency (EE) with no capital expenditure.

A virtual exchange of the agreement between TNBES Managing Director, Dr. Ir. Ahmad Jaafar Abd Hamid and INSTEP Chief Executive Officer, Idris Ibrahim was held on 18 October 2020.

“The agreement is seen as another significant collaboration between GLCs to boost efforts towards energy efficiency and green energy,” says Ahmad Jaafar.

“TNBES will provide innovative energy-efficient lifestyle solutions that are mutually beneficial to INSTEP. We believe that this cooperation will accelerate the growth of green energy in Malaysia,” he added.

INSTEP Chief Executive Officer, Idris Ibrahim reiterated that this initiative is in line with its commitment to PETRONAS Sustainability Development Agenda in safeguarding the environment, which features value creation and generates positive impact to our society.

“Besides energy efficiency efficacy, INSTEP has also previously embarked on food composting, which is a reflection of ‘from food waste to resources’, and estimated to compost around 36.5 tonnes of food waste annually, contributing to greenhouse gases reduction that is equivalent to what 466 trees can absorb annually,” said Idris.

INSTEP will tap into TNBES energy efficiency solutions by retrofitting light emitting diode (LED) lighting and high mast lighting in Non Process Area such as administration, office buildings and street lighting in the training centre.

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The agreement also endeavours to strengthen, promote and develop collaboration between the corporations in Malaysia towards achieving compliance with Malaysia's National Energy Efficiency Action Plan.

For the record, the energy efficiency (EE) service offered by TNBES for INSTEP is a first for Malaysia's oil and gas sector.

Previous EE projects by TNBES include clients such as Universiti Putra Malaysia (UPM), Celcom, Penang International Airport as well as more than a 100 Energy Audits for various categories of clients and at diverse types of building and premises, as part of the energy efficiency initiative.

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*Kindly forward all press enquiries to Fitri Majid at 013-3626923 /*

*Grace Tan at 016-6626229 / Nasir Aziz at 018-9434524*

*or email us at [media@tnb.com.my](mailto:media@tnb.com.my)*

#### **ABOUT TNBES**

*TNB Energy Services Sdn. Bhd. is a wholly-owned subsidiary of TENAGA NASIONAL BERHAD specialising in the provision of green energy solutions and services for the development, consultancy, operation and maintenance (O&M) of Renewable Energy (RE) projects. The company, established in 1997, has since established itself as end to end solution provider in Energy Efficiency and Renewable Energy.*

#### **About INSTEP**

*Committed to being a solutions partner to talents in the energy industry and beyond, Institut Teknologi Petroleum PETRONAS (INSTEP) is passionately pushing boundaries in accelerating competency development through providing experiential learning, meaningfully improving the quality of life, and contributing to business and sustainability development.*

*Established in 1981, we have grown tremendously into an internationally recognised technical learning solutions partner with customers' presence from over 35 countries, and produced more than 130,000 job-ready technical workforce serving in more than 30 refinery & petrochemical plants and 100 production platforms globally. We continuously push our boundaries to provide innovative solutions to technical talents allowing them to grow with their organisation and ultimately, the organisation will reach its full potential.*



Institut Teknologi Petroleum PETRONAS (INSTEP) will tap into TNB Energy Services (TNBES) energy efficiency solutions by retrofitting light emitting diode (LED) lighting and high mast lighting in Non Process Area at their facility in Kuala Terengganu. The energy efficient solutions provided by TNBES will save INSTEP of about 407,880 kWh of energy per year.