

SPEECH BY
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BIOGAS ASIA PACIFIC FORUM 2015
SUNWAY PYRAMID CONVENTION CENTRE, PETALING JAYA
28 APRIL 2015 (TUESDAY)

YANG BERHORMAT DATUK BUNG MOKTAR RADIN
AHLI PARLIMEN KINABATANGAN
MERANGKAP PENERUS FELCRA BERHAD

YANG BERBAHAGIA DATO' SRI DR NOORUL AINUR MOHD NUR
KETUA SETIAUSAHA
KEMENTERIAN SAINS, TEKNOLOGI & INOVASI (MOSTI)

YANG BERBAHAGIA DATO' DR MOHD NAZLEE KAMAL
KETUA PEGAWAI EKSEKUTIF
MALAYSIAN BIOTECHNOLOGY CORPORATION (BIOTECHCORP)

ENCIK VINCENT CHOY
PENGARAH, INTERNATIONAL CLEAN ENERGY SUSTAINABILITY &
NETWORK (ICESN)

WAKIL DARIPADA SYARIKAT-SYARIKAT BERSTATUS BIONEXUS
PEGAWAI KANAN MOSTI DAN BIOTECHCORP
WAKIL MEDIA
HADIRIN SEKALIAN

Salam Sejahtera and Salam 1Malaysia.

Terlebih dahulu, saya ingin merakamkan ucapan terima kasih dan tahniah kepada BiotechCorp selaku penganjur majlis pagi ini. Bagi memanfaatkan kehadiran tetamu dan peserta antarabangsa, saya mohon izin untuk meneruskan ucapan dalam Bahasa Inggeris.

Distinguished guests, ladies and gentlemen, a very good morning.

2. I am pleased to be invited to join all of you at the fourth annual **Biogas Asia Pacific Forum 2015, Asia's premier networking event for all things relating to business in biogas.**

3. The government gives a special focus on maximizing the adoption of **green and renewable technologies** due to increasing demand for energy and rising fuel cost. Parallel to this, I believe that biogas development is the needed solution to Malaysia's dependency on imported natural gas and should be exploited in such manner because creative application of biogas will allow us to reap the benefits and produce our own sustainable and renewable source of energy.

4. In this regard, Biogas has been identified as one of the important elements under the **National Key Economic Areas (NKEA) and the Bioeconomy Transformation Programme (BTP)**, both of which aim to transform Malaysia into a high-income nation. One particular Entry Point Project (EPP) comes in parallel to the development of Biogas technology in Malaysia that is **EPP 5: Developing Biogas Facilities at Palm Oil Mills.** With an expected GNI of RM2.9 billion and projected employment of 2,000 by 2020, this EPP will **encourage palm oil millers to capture methane**

through the development of biogas system and therefore promote the advancement of biogas technology in Malaysia

5. We are truly blessed that **Malaysia is rich with potentials to utilise biogas resources and collection such as from palm oil mills, water and sewage treatment plants, landfills and agriculture farms.** I am confident that by leveraging on this, Malaysia can position itself at the epicenter of global bioindustrial ecosystem.

Ladies and gentlemen,

6. One of MOSTI's aims is to show the viability in **upgrading biogas from Palm Oil Mill Effluent (POME) to bio-methane, which can be used to fuel cars or other industrial applications.** To achieve this, **MOSTI funded a joint development initiative between SIRIM and SIME DARBY to produce purified and compressed biogas for vehicle fuels at Carey Island.** With the fuel produced proving successful in cars, biogas production and processing has set a high expectation for Malaysia to become the biogas hub in Asia and as the region's lead biogas exporter to the global market.

7. In fact, the **total potential market for the biogas industry in Malaysia is estimated to rise from RM1.46 billion (USD 0.41 billion) in 2015 to RM 8.3 billion (USD 2.3 billion) by the year 2022.** The **Asia Pacific region** is the second largest contributor to the biogas market after Europe, with the market expected **to grow from around RM13.6 billion (USD 3.75 billion) in 2015 to RM27.2 billion (USD 7.5 billion) in 2022.** Overall, the

global biogas market is expected to reach RM120.1 billion (USD 33 billion) by the year 2022, growing from RM82.1 billion (USD23 billion) in 2015.

8. The development on biogas is the key to Malaysia's reduced dependency on imported natural gas. With the potential to produce our own purified biogas and perhaps to a certain extent liquefied biogas (LBG), we have the potential to be a major exporter. Thanks to the **adoption of biotechnology in the biogas industry**, I believe this will **significantly increase the biogas production yield and at the same time, promote the creation of high value downstream products.**

9. Looking at these factors of how biogas can bring positive impact to Malaysia, we can see how **it directly supports our nation's Bioeconomy agenda.** The biogas development is one of the initiatives that will aid the nation in achieving the status of a not only developed but also high-income and sustainable nation by the year 2020.

10. On behalf of MOSTI, I would like to share our support for the biogas initiatives and the effort Malaysia is putting into biogas development. As biogas is a renewable resource, **it qualifies for the Renewable Energy (RE) fund under the Feed-in-Tariff (FiT) where MOSTI will spear-head all efforts in this area with strong support from the Ministry of Energy, Green Technology and Water Malaysia (KeTTHA).**

11. Hence, I urge the industry players to take full advantage of our rich biodiversity for continuous production of biogas through the many natural

resources Malaysia has to offer. I believe that with your support, Malaysia will be one of the most prominent biogas hubs in Asia.

12. I believe the forum today will bring about benefits to all the participants in attendance, besides providing them the opportunity to network with other industry players from various backgrounds. May this meeting propel us to a brighter future with more success in innovation and development.

13. WITH THAT, IT GIVES ME GREAT PLEASURE TO OFFICIALLY LAUNCH THE BIOGAS ASIA PACIFIC FORUM 2015.

Thank you.