

### "ACCELERATING THE DEVELOPMENT OF HYDROGEN ECONOMY FOR THE FUTURE TO EFFECTIVELY ADDRESS CLIMATE TRANSITIONS AND SUSTAINABLE DEVELOPMENT GOALS (SDGs)"

1. The first International Hydrogen Economy Forum and Strategic Lab
  2. MoU/MoCs between MGTC and Hydrogen Economy Industry Players in Malaysia
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1. **27 July 2021, Putrajaya** – YB Dato' Sri Tuan Ibrahim bin Tuan Man, Minister of Environment and Water, officially inaugurated the virtual edition of the **International Hydrogen Economy Forum and Strategic Lab, which will be held from 27 – 30 July 2021**. The strategic workshop, with a theme "**Visioning a Hydrogen Economy for Malaysia**", is co-organised by the Malaysian Green Technology and Climate Centre (MGTC), Ministry of Science, Technology and Innovation (MOSTI) and NanoMalaysia Berhad in conjunction with the 12<sup>th</sup> International Greentech & Eco Products Malaysia (IGEM 2021).
2. The event provides insights and ignites discussions among policymakers, industry players, technology providers and end-users on the local and global progress of hydrogen generation, storage, distribution, and fuel cell technologies' development and deployment worldwide.
3. YB Tuan Ibrahim also witnessed the virtual signing ceremony of the Memorandum of Understanding (MoU) between MGTC and UMW Innovation and R&D Center Sdn. Bhd. and Mitsui & Co. Ltd; followed by two Memorandum of Cooperations (MoCs) between MGTC and Sarawak Economic Development Cooperation (SEDC); and Vizione Energy Sdn. Bhd.
4. The cooperations are instrumental in exploring local industry players to collaborate with and accelerate Malaysia's hydrogen economy pathway. The Minister highlighted that the planning to implement hydrogen economy in the local context is crucial to propelling the country's economic growth and the targets in Sustainable Development Goals (SDGs). It includes Goal 7: Affordable and Clean Energy, Goal 12: Sustainable Consumption and Production and Goal 13: Climate Action holistically".
5. "Hydrogen is regarded as among the potential alternative energy sources for the energy, industrial, and transportation sectors towards the global transition to a green and low-carbon economy. Based on a study by the Economic Research Institute for ASEAN and East Asia (ERIA) entitled 'Study on Demand

and Supply Potential of Hydrogen Energy in East Asia' in 2018, the use of hydrogen as an energy source to the three sectors has the potential to reduce greenhouse gas emissions (GHG) up to 20.6 million tons of carbon dioxide by 2040", he added.

6. In his welcoming speech, Prof. Dato' Ir. Dr. A. Bakar Jaafar, FASc, MGTC's Chairman, had called for, "Strategic pathways supported by policy interventions are crucial to promoting low or zero-carbon hydrogen to be the cornerstone for the New Energy Economy. Therefore, it is very timely for the country to create the domestic market, boosting the demand before investing in hydrogen infrastructure projects".
7. Globally, the hydrogen economy offers investment opportunities amount to US\$475 billion, with an annual revenue potential of US\$280 billion. The four-day strategic workshop will showcase speeches by experts in this field. It will cover numerous topics and issues relating to global hydrogen policies and roadmap, technologies and demonstration projects, sustaining international commodities trading, reducing dependency on fossil fuel imports, and thus, decarbonising economic activities. In addition, various sessions are offered in providing enlightenment on the next cycle of progression in realising the hydrogen economy agenda in Malaysia.

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### **About MGTC**

Malaysian Green Technology and Climate Change Center (MGTC) is an agency of the Ministry of Environment and Water (KASA) mandated to drive the country in the scope of Green Growth, Climate Change Mitigation and Green Lifestyle.

Three national policies, in particular, the National Green Technology Policy (NGTP), the National Climate Change Policy (NCCP) and the Green Technology Master Plan (GTMP), regulated MGTC's role as a catalyst for green economic growth.

MGTC's initiatives and programs focus on achieving a long-term impact by 2030 with a 45% reduction rate in the country's greenhouse gas emissions, increasing GDP from green technology by RM 100 billion and generating 230,000 green job opportunities.

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