



Report on Prestige Talk on “National Transformation 2050 (TN50) Green - Aspirations for Engineering Fraternity”

by Ir. Dr Lee Yun Fook

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A prestige talk on “TN50 Green - Aspirations for Engineering Fraternity” was organised by Civil and Structural Engineering Technical Department (CSETD), IEM on 10th March 2018 at Wisma IEM. This event had attracted around 70 participants from various industries. The invited speaker for this Prestige Talk was Yang Bahagia Dato Seri Ir. Dr. Zaini bin Ujang who is also the Secretary General of Ministry Energy, Green Technology and Water in Malaysia.

Ir. Dr. Zaini started his talk with the introduction of Eco-shift and global challenges to develop sustainably, political stability, and ecological sustainability. The speaker also discussed about the need to preserve nature as one of the aims stated in TN50. The speaker presented about the continuous consumption of resources such as water and electricity which may lead to significant amount of resource wastage.

Following that, Ir. Dr. Zaini also mentioned about Green Technology Master Plan (GTMP), Sustainability Development Goals 2030 (SDG 2030) and New Economic Model which will help in achieving TN50. In 2050, Ir. Dr. Zaini highlighted that good planning in term of financing, supply and demand for the contributions of public infrastructure, transportation and environmental services need to be sustainable as one of the goals of TN50.

Ir. Dr. Zaini also shared the 16 sub-sectors of Green Technology Master Plan such as energy, manufacturing, transport, building and waste as key areas with high potential to facilitate green growth in Malaysia. Ir. Dr. Zaini highlighted that eco-shift on water economy and water cycle in Klang Valley in 2015 compare with future 2025. Ir. Dr. Zaini further demonstrated the design criteria are more

environmental friendly with developing Recycling Plant for filtering greywater or STP discharge and rainwater harvesting system shall be adopted before water supplying to users in 2025.

Before Ir. Dr. Zaini ended his talk, he showcased the largest sewage treatment plant, Langat CSTP project that handled by his ministry. Ir. Dr. Zaini briefed that the plant capacity is 920,000 PE with 7 zones of sewer network and 10 number of pumping stations. The speaker ended the talk by stating sustainable development, clean environment and socio-economic development are the actions needed to achieve TN50.



Ir. Dr. Zaini (Left) is presenting his talk at Wisma IEM