

NanoMalaysia to Launch Two Initiatives to Boost Commercialization of Nanotechnology

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NanoMalaysia Bhd (NMB) will launch the REVOLUTioNT and Hydrogen EcoNanoMy programmes for the commercialization of nanotechnology.

REVOLUTioNT will facilitate and commercialize the production of complex and valuable intellectual property, products and systems solutions, while Hydrogen EcoNanoMy will apply [NanoMalaysia](#)'s on-site generated Hydrogen technology to create a National Hydrogen Industrial Ecosystem for the energy sector.

To cap off its 10th year in leapfrogging nanotechnology-based SMEs towards commercialization ventures, the company embraces yet another role with its position as one of the implementing agencies for key segments of the recently introduced National 4IR Policy, namely advanced materials and technologies, Internet of Nano-Things, blockchain and artificial intelligence.

Deputy Minister of Science, Technology and Innovation Datuk Ahmad Amzad Mohamed Hashim said NMB's role in the National 4IR Policy is integral in driving [Malaysia](#) closer towards the aspirations of the National Policy on Science, Technology and Innovation 2021-2030 in becoming a high-tech nation by 2030.

"The 4IR, with nanotechnology as one of its primary technological pillars, is projected to boost all sectors' productivity by 30% by 2030 and will contribute to our country's increase in skilled workers as well as production of higher value-added products."

From 2016-2020, NanoMalaysia had 52 product development projects; 41 scale-up projects; and supported and created a mix of 22 joint ventures and start-up companies. It also

successfully developed 55 Intellectual Properties; 25 patents; 17 copyrights; four trade secrets; five trademarks and four utility innovations, which have been filed with MyIPO; and commercialized 166 products.

In addition, NanoVerify Sdn Bhd, a wholly owned company under NanoMalaysia certified 118 products via NANOVerify, [Malaysia](#)'s first and only nano certification programme with recognition and acceptance from [Taiwan](#) Nanotechnology Industry Association.

To further expand the reach of Malaysian SMEs in the global technology space, NanoMalaysia recently inked two agreements this year with 10000StartupsIndia and [Turkey](#)-based Sabanci University Nanotechnology Research and Application Centre with the objectives of scaling up Malaysian SMEs and facilitating adoption of competitive nanotechnology solutions via technology transfer programmes with Indian and Eastern European SMEs and micro-SMEs. Other partnerships signed in previous years carrying similar aims are with NanoNextNL (The [Netherlands](#)), NanoCanada, Nanopolis ([China](#)) and Nanotech Center [Indonesia](#).

It is estimated that 2,373 direct and 11,865 indirect high value job opportunities as well as a contribution of RM3.6 billion direct and RM18 billion indirect potential gross national income (GNI) will be generated over the next five years as identified by the industry.

NanoMalaysia is positioning [Malaysia](#) as a technology producer of locally developed renewable energy solutions and electric vehicles' component technologies by leading the National Energy Storage Technology Initiative; implementing the Hydrogen EcoNanoMY programme; and the development of the Hydrogen Economy and Technology Roadmap – underpinned by its flagship Hydrogen-Paired Electric Racecar project showcasing the hybrid on-board hydrogen reactor-fuel cell graphene ultracapacitor-lithium ion energy storage system.

“With these technology-centric initiatives coupled with value and supply chains development, we aim to create at least 10,500 high value jobs directly, with a spill-over effect of 52,500 jobs to stimulate the economy and generate an additional RM1.7 billion in GNI by 2030.”

Read the [original article](#) on theSundaily.