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KnowledgeGRID to lift nation's competitiveness

KUALA LUMPUR: KnowledgeGRID Malaysia, spearheaded by Mimos Bhd, will be the next knowledge infrastructure for the nation, thus increasing Malaysia's competitiveness in technology advancements regionally and globally.

KnowledgeGRID is a system where computing resources are shared across networks and it enables selection, aggregation and sharing of information resources in multiple administrative domain and geographical areas.

The grid will provide computing resources and data capabilities to the nation's weather modelling, earthquake simulation and protein folding, DNA (Deoxyribonucleic

Acid) and drug design research.

This will accelerate Malaysia's advancement in biotechnology, forecasting of natural disasters and animation content initiatives at significantly lower costs.

Mimos Bhd's senior manager for Grid Computing Lab, Ng Kwang Ming, said KnowledgeGRID Malaysia is essentially Malaysia's K-Infrastructure that consists of hardware, software and services that provide ordinary people access to unprecedented computing power, services and data.

He said KnowledgeGRID Malaysia will be the knowledge collaboration platform that brings super computing power to everyone including academic institutions,

small and medium enterprises (SMEs), government and the private sector. KnowledgeGRID Malaysia is a Ministry of Science, Technology and Innovation (MOSTI) initiative under the Ninth Malaysia Plan and was launched by Prime Minister Datuk Seri Abdullah Ahmad Badawi last August, he told Bernama in an interview here recently.

"KnowledgeGRID Malaysia is the catalyst for a knowledge nation and plays a pivotal role in ensuring Malaysia takes the technological leap to the next ICT (information and communication technology) evolution," he explained.

Recently, Ng said, Mimos signed a memorandum of understanding (MoU) with Oracle Corporation

Malaysia Sdn Bhd to jointly develop and deploy a sensor grid pilot project for the agriculture sector under KnowledgeGRID Malaysia. He said the project will take agriculture to an advanced level in line with the vision of the Ninth Malaysia Plan.

Besides agriculture, Ng said, Mimos is also working with animation industry players to undertake the rendering process.

"By connecting through KnowledgeGRID Malaysia, they can use the super computer power to do the rendering with quicker results," he added.

Ng said Mimos is also looking to link up all the national economic corridors with the KnowledgeGRID Malaysia. — Bernama