



Press Release For Immediate Release

MIMOS Launches KnowledgeGRID Malaysia

MIMOS ties-up with local universities, foreign research institutions, local industries and multinational companies

What: MIMOS Launches KnowledgeGRID Malaysia

Why: To provide a national infrastructure that maximises high performance computing resources to accelerate research and industrial development for national wealth and value creation.

How: MIMOS ties-up with local universities, foreign research institutions, local industries and multinational companies

Who: Dato' Abdul Wahab Abdullah,
President & Chief Executive Officer,
MIMOS

Kuala Lumpur, Malaysia, 20 August 2007 – MIMOS today launched the KnowledgeGRID Malaysia aimed at providing a national infrastructure that maximises high performance computing resources to accelerate research and industrial development for national wealth and value creation.

“The grid will be the next Knowledge infrastructure for the nation that will increase Malaysia’s competitiveness in technology advancement regionally and globally,” said MIMOS President & Chief Executive Officer, Dato’ Abdul Wahab Abdullah.

KnowledgeGRID Malaysia will provide computing resources and data capabilities to the nation’s weather modeling, earthquake simulation and protein folding, DNA, and drug design research. This will accelerate Malaysia’s advancement in biotechnology, forecasting of natural disasters and animation content initiatives at significantly lower costs.



For example, biotechnologists can use compute-intensive tools and applications to carry out advanced research like DNA research, and drug design in the chemical data base. Grid Computing will provide the electronics industry access to design and simulation tools at high-end centralized design centers thereby lowering the cost of ownership and enabling the electronic industries move up the value chain. The manufacturing industries can improve product quality and reduce time to market through process and statistical tools; while the animation content industry will benefit from sharing costly game development software centralized in specific locations.

“KnowledgeGRID Malaysia will put Malaysia on a higher pedestal on the world map, especially in the information and communications technology (ICT) arena, in line with more advanced countries like the United States, Europe, Australia, Japan, South Korea, Thailand and Singapore,” Wahab said.

Phased Approach to KnowledgeGRID Malaysia

The development of KnowledgeGRID Malaysia is being undertaken in three phases.

Phase One, expected to be completed by year end, is focused on the development of grid framework based on Service Oriented Architecture (SOA) consisting middleware, grid applications and security as well as establishing research collaborations with local universities.

To date, MIMOS has forged research collaborations in frontier technologies with 13 local universities who serve as MIMOS virtual research centres and will undertake basic research in frontier technologies to complement MIMOS applied research in frontier technologies to build technology competencies in driving centres of excellence.

MIMOS has also partnered multinational companies such as IBM, Altair Engineering, SGI, and Cisco to provide affordable tools and resources for local researchers and industry players to jumpstart into the K-economy.



Phase Two, scheduled to begin next year, involves enhancing further the Knowledge Grid Infrastructure and increasing research collaborations with local and foreign research institutions, and local industries; while the final Phase will involve rolling out the KnowledgeGRID Malaysia nationwide.

As a strategic agency under the Ministry of Science, Technology & Innovation, MIMOS was mandated to spearhead the KnowledgeGRID Malaysia Initiative under the Ninth Malaysia Plan (9MP).

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About MIMOS

MIMOS is Malaysia's leading applied research organisation in information & communication technologies aimed at growing globally competitive indigenous industries.

MIMOS pursues exploratory and industry-driven applied research through multi-stakeholder smart partnerships with universities, research institutes, Government and industries with a focus on frontier technologies. MIMOS' applied research areas, based on real-world trends, are cyber space security, encryption systems, grid computing & multi-service networks, wireless broadband, MEMS/NEMS systems, advanced informatics, knowledge technology and micro energy systems.

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Media Contacts

Tina Suryani Melan

MIMOS Berhad

+60.3.8996.5000 / +60.12.340.1108

tina.suryani@mimos.my

Ferina Manecksha / Livan Bai

Hill and Knowlton for MIMOS

+60.3.2026.0899

+60.12.329.2558 / +60.17.341.1039

ferina.manecksha@hillandknowlton.com.my

lbai@hillandknowlton.com.my