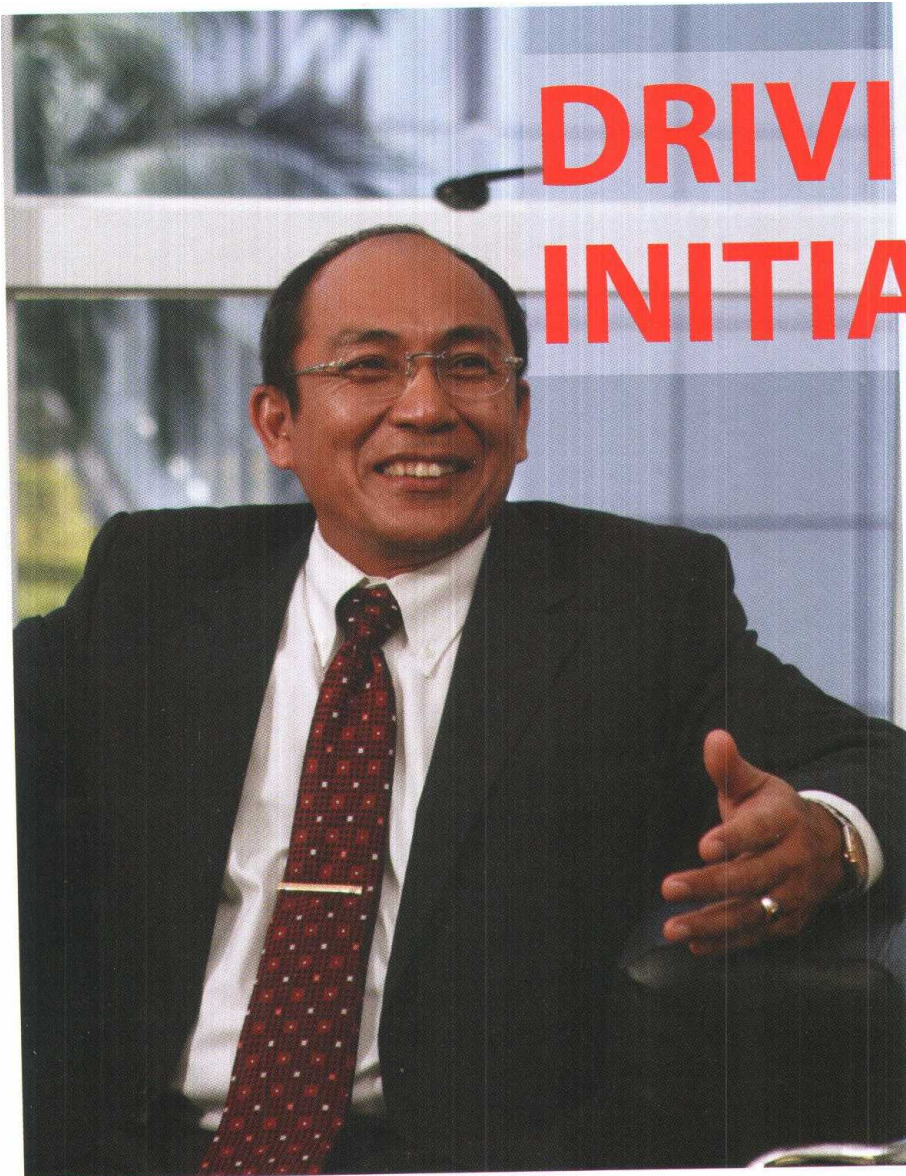


Headline **DRIVING R&D INITIATIVES**
Date **20 Aug 2009**
MediaTitle **Malaysian Business**
Section **Supplement**
Journalist **MIOR AZHAR**
Frequency **Fortnight**
ADValue **9,944**

Language **English**
Page No **1T04**
Article Size **913 cm²**
Color **Full Color**
PRValue **29,833**



DRIVING R&D INITIATIVES

MIMOS, is considered the country's premier applied research centre in frontier technologies and it has for the past few years been pursuing exploratory and industry-driven applied research through multi stakeholder smart partnerships with local and international universities, other research institutes and industries. **mb-e** checks out what's brewing in MIMOS lately

BY MIOR AZHAR

FOR THE PAST THREE YEARS, MIMOS Berhad, the nation's applied research centre in frontier technologies, has been researching and developing a number of technology innovations which are now ready to be transferred to the relevant indigenous industries for commercialisation efforts.

In fact, if all goes well, its president and chief executive officer Datuk Abdul Wahab Abdullah says

Headline **DRIVING R&D INITIATIVES**
Date **20 Aug 2009**
MediaTitle **Malaysian Business**
Section **Supplement**
Journalist **MIOR AZHAR**
Frequency **Fortnight**
ADValue **9,944**

Language **English**
Page No **1T04**
Article Size **913 cm²**
Color **Full Color**
PRValue **29,833**

LEAD STORY

that not more than 10 products and services stemming from these MIMOS' R&D undertakings would be made commercially available by year end.

Wahab, who took over MIMOS' leadership role in July 2006, says such development is in line with R&D body's plan to steer technology to become a productive enabling tool for many indigenous sectors in Malaysia.

MIMOS marked the start of its new journey following Wahab's appointment with a corporate restructuring exercise focusing on people (capability development) and technology development (which saw the realignment of MIMOS applied research areas).

'Since 2006, MIMOS applied research efforts has been focusing on developing technology platforms on which local industries can build products for the world market which subsequently will help move Malaysia's ICT industry higher up the value chain globally,' he adds.

As such, according to Wahab, the focus for MIMOS this year and the next will continue to concentrate on technology transfer for commercialisation.

'The transfer of MIMOS frontier technology platforms from our laboratories to the indigenous industries is a testimony of how MIMOS is building a vibrant technology eco-system, in our efforts towards commercialisation of home grown technologies as a vital source of national economic development and revenue for the country,' Wahab adds.

The ready-for-commercialisation MIMOS technology platforms were developed at MIMOS labs under six frontier technology clusters, namely Information Security, Wireless Communications, Knowledge Technology; Micro and Nano; Grid computing and Advanced Informatics.

In short, MIMOS' robust technology platforms provide local companies - who are MIMOS' technology

recipients - with a speedy time-to-market and price elasticity to position them globally.

TECHNOLOGY TRANSFER

According to Wahab, one important factor that MIMOS is emphasising today is all R&D conducted must be based on market needs to ensure that technology could be commercialised for sustained growth.

'That's very important if we are hoping to be a successful global player. And for that we have put in place a new work culture to ensure that our researchers are well aware with today's market demand and condition,' he says.

Wahab adds that MIMOS has already developed a total of 21 technology prototypes.

In addition, so far it has received 76 technology transfer applications from potential technology recipients and the target is to have more than 100 by the end of this year.

As of today, MIMOS has already transferred its technology platforms to eight local companies, with the initially three being Jaring Communications Sdn Bhd, Mutiara.Com and Smart Computing Sdn Bhd.

Last month, five more technology recipients of MIMOS technology platforms joined the group. The five are:

- Bill Adam Associates - license for the Personaliser Platform On Demand (PPOD).
- InfoValley Life Sciences - license for the Semantic Infosteology, a platform for computer application to be meaning-centric and knowledge-based.
- In-Fusion Solutions - license for the Ontology Driven Intelligent Diagnoser Advisor (ODIDA), an ontology knowledge-based system for pediatric, cardiovascular and occupational health practitioners
- Pernec Integrated Network Systems - license for the MIMOS WiWi Gen 1.5 (a hybrid solution that provides WiFi as a hotspot and WiMax

Headline
Date
MediaTitle
Section
Journalist
Frequency
ADValue

DRIVING R&D INITIATIVES
20 Aug 2009
Malaysian Business
Supplement
MIOR AZHAR
Fortnight
9,944

Language
Page No
Article Size
Color
PRValue

English
1T04
913 cm²
Full Color
29,833

LEAD STORY

as a backhaul), Internet Protocol Version 6 (IPv6) and Semantic Technology.

- CeedTec - license for the MIMOS WiWi Gen 1.5, a hybrid solution that provides WiFi as a hotspot and WiMax as a backhaul.

'The recent five technology recipients were identified by Ministry of Science, Technology and Innovation (MOST), under its technology licensing programme, in line with the national mission to increase the country's commercialisation rate to at least 10% from research and development initiatives undertaken by the public sector, as outlined in the Ninth Malaysia Plan, or 9MP,' says Wahab.

THE IMPORTANCE OF IP

Ever since Wahab joined MIMOS, the R&D body has also been focusing on promoting and licensing its technologies or Intellectual Property (IPs) to qualified indigenous ICT companies to strengthen their abilities to compete globally.

'IPs are crucial if Malaysia wants to be recognised as the inventor of technology, not just a user. Ours was not just about the issue of IP protection but also there were not enough IPs being generated by the research communities,' he explains.

Apparently, before July 2006, Mimos had filed only two patents. To date, there are more than 670 patent disclosures and the filling of 263 patents.

For all developed nations, IP's are what differentiate them. Marketable IP's from research will result in royalties for researched and as such, the focus at Mimos is on encouraging the researches to turn their ideas and novelties into IPs that will give Mimos a competitive edge.

Mimos introduced an IP Scheme in July 2006, a first for the organisation, to ensure that Malaysia is recognised for its applied research works. Today, IP generation is now a key performance indicator (KPI) for all Mimos employees.

'In fact, the collective effort within Mimos today is to see an explosion of innovation and invention in frontier technologies, in line with the government's aim to new heights of science and technology innovation. The target is that for all our employees, across all levels of the organisation, to have at least a patent disclosure accepted by the IP Committee every year.'

'For commercialised patents, the staff stands to receive a royalty on all the novelties that have translated in a workable platform for the in-

dustry to develop their applications and solutions,' he explains.

Wahab believes that with the IPs that Mimos has generated, they will also be able to reposition Malaysia's indigenous industries in niche markets globally.

'This also means without having to invest in research that has a long gestation period and high market uncertainty, the local industries are able to focus on building the brand and the marketing channels,' he points out.

COLLABORATION

Apart from the IPs, Mimos is also very serious on collaborating with the industries through the formation of centres of excellence. Today, MIMOS has signed up with a number of research industries, institutes of higher learning and even world-class multinational corporations.

Wahab says these collaborations provide the opportunity to elevate research done in Malaysia to a world-class level.

'More importantly, the creation of dynamic services from various collaboration has the potential to enrich, even transform, the everyday lives of the general public in Malaysia,' he adds. **mb-e**

MIMOS IN NUMBERS

<p>HEADCOUNT Total headcount of MIMOS today stands at 613 people of which 468 are researchers. Looking at increasing the number of researchers to 700.</p>	<p>ESTABLISHMENT OF CENTRES OF EXCELLENCE (COES) To date MIMOS has established 15 Centres of Excellence (CoEs)</p>	<ul style="list-style-type: none"> • MIMOS - Universiti Teknologi Malaysia (UTM) Centre of Excellence in Wireless Communications
<p>INTELLECTUAL PROPERTY MOMENTUM • More than 670 patent disclosures exceeding target of 290 (248 patent disclosures in 2007) and 263 patents filed (109 in 2007). Prior to July 2006, MIMOS only had 2 patents filed. • The target is to have 100 patents filed annually and to have 1,000 patents disclosures by 2011.</p>	<p>a. With Universities (6)</p> <ul style="list-style-type: none"> • MIMOS-International Islamic University Malaysia (IIUM) Centre of Excellence in Cyberspace Security Lab • MIMOS-Universiti Malaysia Sabah (UMS) Centre of Excellence in Semantic Agents • MIMOS-Universiti Malaysia Sarawak (UNIMAS) Centre of Excellence in Semantic Technology & Augmented Reality • MIMOS-Universiti Kebangsaan Malaysia (UKM) Centre of Excellence in Micro-Nano Sensor Technology • MIMOS-University Tunku Abdul Rahman (UTAR) Joint Lab in Pattern Recognition and Machine Vision 	<p>b. With Industry (6)</p> <ul style="list-style-type: none"> • MIMOS-CISCO Asian Centre of Excellence in Networking Technologies (ACENT) • MIMOS-AGILENT Centre of Excellence in Test and Measurement Technologies (CEMTA) • MIMOS- Silicon Graphic International (SGI) Centre of Excellence in High Performance Computing • MIMOS-Microsoft Innovation Centre • MIMOS-Altair CoE • MIMOS-Yahoo!-HP-Intel CoE for Cloud Computing <p>c. MIMOS (3)</p> <ul style="list-style-type: none"> • MIMOS IP Multimedia Subsystem (IMS) CoE • MIMOS Test CoE • MIMOS Usability CoE
<p>TECHNOLOGY TRANSFER • Total number of Technology Transfer Applications / Potential Technology Recipients = 76 (as at Jan 2009) • Target (2009) = more than 100 • Total of technology prototypes developed = 21</p>		