

KERATAN AKHBAR-AKHBAR TEMPATAN
TARIKH: 4 DISEMBER 2017 (ISNIN)

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Kerjasama dengan Reneon Technologies membolehkan MIMOS mengintegrasikan SSC bersama platform pengurusan tenaga berasaskan awan milik Reneon bagi menghasilkan penyelesaian pengurusan tenaga yang komprehensif

Wan Azli Wan Ismail,
Pengurus Besar MSSB

MIMOS bangun alat kawalan pintar bangunan

MIMOS melalui unitnya, MIMOS Semiconductor (M) Sdn Bhd (MSSB) memperkenalkan sistem alat kawalan pintar untuk bangunan, yang membolehkan seseorang pengurus kemudahan memahami corak penggunaan tenaga dan mempunyai kawalan penuh ke atasnya.

Alat Kawalan Pintar Terjamin (SSC) adalah rangkaian terhubung antara perisian dengan peralatan, yang memantau dan mengawal persekitaran, ruang serta kemudahan di dalam bangunan komersial atau industri.

Sistem SSC yang dimajukan oleh unit pusat kajian penyelidikan dan pembangunan (R&D) negara itu menjamin prestasi operasi yang optimum sesebuah kemudahan selain meningkatkan keselesaan, keselamatan dan penjimatan tenaga di dalam bangunan.

SSC yang dibina bersama Sistem Kawalan Keliling Pintar Ber-

autonomi adalah penyelesaian Internet Kebendaan (IoT) mampu mengubah bangunan industri menjadi sebuah pusat pintar.

Menjimatkan tenaga

Dijamin selamat dan boleh dipercayai, sistem SSC mampu menjimatkan tenaga sehingga 50 peratus pencahayaan dan 30 peratus aplikasi pendingin hawa.

Direka bentuk supaya mudah digunakan, sistem itu secara automatik boleh mengawasi dan mengawal parameter sekeliling seperti suhu dan kecerahan ruang bilik.

Semasa memperkenalkan produk, MIMOS turut mengumumkan ia bekerjasama dengan Reneon Technologies, sebuah syarikat pemula niaga tempatan yang mengkhusus dalam penyelesaian IoT, bangunan pintar dan penyelesaian cekap tenaga.

Pengurus Besar MSSB, Wan

Azli Wan Ismail, berkata MIMOS menyokong syarikat pemula niaga tempatan melalui pemindahan teknologi.

Beliau yang juga Naib Presiden Sektor E&E MIMOS berkata, kerjasama dengan Reneon Technologies membolehkan MIMOS mengintegrasikan SSC bersama platform pengurusan tenaga berasaskan awan milik Reneon bagi menghasilkan penyelesaian pengurusan tenaga yang komprehensif.

Pengarah Reneon, Ashwin Menon, berkata kerjasama membolehkan syarikat mempercepatkan proses R&D bagi pembangunan produk.

Katanya, kepakaran dan pengetahuan meluas disediakan MIMOS bersama pengalaman pasaran membolehkan syarikatnya membina penyelesaian yang memenuhi keperluan pasaran, sambil mengekalkan kos rendah tanpa berkompromi ke atas kualiti.

TIDAL WAVE ALERT IN TERENGGANU

Residents, motorists urged to stay away from beaches

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TIDAL waves triggered by the monsoon are expected to pound coastal villages in Terengganu in the coming days.

State Civil Defence Force director Lieutenant-Colonel Che Adam Abdul Rahman said the adverse weather was expected to continue and advised the public to stay away from beaches.

He urged parents to closely monitor their children during the school holidays, as many might be tempted to play at beaches.

* "The tidal waves are very treacherous and can pose a danger any time. Some waves from this north-easterly monsoon can reach up to 1.79m high.

"The winds will be very strong and can blow off rooftops," Che Adam said.

He said the tidal waves could spill over to coastal roads and cautioned motorists to be on their guard.

"We have dispatched our mobile units to patrol coastal areas, together with other enforcement agencies, and will send out alerts when necessary.

"The last thing we want to see are untoward incidents involving the loss of lives," he said after visiting Tanjung Gelam in Menga-

bang Telipot, which was facing coastal erosion.

The state government has directed the Drainage and Irrigation Department to take immediate action in Tanjung Gelam to prevent a catastrophe.

The Meteorological Department issued a Category Two warning of strong north-easterly winds of 50 to 60kph and rough seas with waves reaching 4.5m high off Condore, Reef North and Layang-Layang island in the South China Sea.

The department's website stated that the situation, expected to last until tomorrow, was dangerous for all vessels, including recreational and fishing boats, and ferries.

A Category One warning of winds of up to 40 to 50kph and waves of 3.5m high has been issued for Tioman, Bunguran, Reef South, Labuan (Sabah) and Palawan (the southern Philippines) for the same period.

Thunderstorms are expected off Koh Samui in southern Thailand, Condore and Reef North.

The affected regions cover Kelantan, Terengganu, Pahang, Sarawak, Labuan and Sabah.

As at 7.30pm last night, 874 victims have been evacuated and seven relief centres opened.

The Terengganu website, etindakan.terengganu.gov.my, stated that Hulu Terengganu was expected to be the hardest hit, with 22 out of 28 villages to be affected by the floods.

In Pahang, Raub became the first district to be hit by floods after Sungai Lipis burst its banks following incessant rain since Friday.

State Civil Defence Force direc-



A Taman Desa Tanjung Damai villager and his child on a motorcycle fleeing to safer ground after their house was hit by rising floodwaters in Kuala Nerus on Saturday. BERNAMA PIC

tor Zainal Yusoff said 47 people from two villages were evacuated to a surau in Cheroh and a community hall in Kampung Ulu Sungai, Raub, on Saturday night.

He said the first relief centre in Cheroh was opened at 9.25pm after two houses in Kampung Melayu Cheroh were inundated by ankle-deep water.

"As the overflowing river continued to rise, 10 victims from two families were told to vacate their homes. Later, at 11.30pm, Kampung Ulu Sungai was hit by the flood, forcing 37 victims to be evacuated.

"Police and firefighters helped us relocate victims, while the Welfare Department provided assistance at relief centres,"

Zainal said, adding that although the rain had stopped in Raub, the river's level continued to rise and remained at the danger mark.

In Kelantan, Bernama reported that floods had rendered the Rantau Panjang Health Clinic in Pasir Mas and Desa Simpangan Clinic in Tumpat inoperable.

Health Minister Datuk Seri Dr S. Subramaniam said Rantau Panjang Health Clinic's operations had been relocated to a temporary relief centre in SK Gual Tinggi.

"Meanwhile, Desa Simpangan Clinic's operations have been moved to Bunohan Health Clinic," he said after opening a national-level World AIDS Day pro-

gramme at the Kemahang Health Clinic.

Floods evacuees in the state stood at 9,779 as at 8pm yesterday.

In Perak, two flood relief centres in Manjung were closed when all 64 evacuees were allowed to return home at 3pm.

Perak Disaster Management Committee Secretariat said the centres were at SA Tebuk Yan and SK Sungai Batu in Pantai Remis.

The victims were from 19 families.

About 1,000 people had been moved to temporary relief centres due to floods in the Manjung, Taiping and Muallim districts four days ago.



Banjir Terengganu: Mangsa Meningkatkan Sedikit Kepada 1,479 Orang



Gambar fail

KUALA TERENGGANU, 3 Dis (Bernama) -- Jumlah mangsa banjir di Terengganu terus meningkat kepada 1,479 orang setakat 8 pagi ini berbanding 1,148 pada 8 malam tadi.

Mengikut laporan portal Info Banjir jumlah mangsa banjir paling ramai ialah di Kuala Nerus iaitu 824 orang (188 keluarga) di empat pusat pemindahan sementara (PPS) berbanding 478 orang (104 keluarga) malam tadi.

Mangsa paling ramai ditempatkan di Sekolah Kebangsaan (SK) Kompleks Gong Badak iaitu 659 orang diikuti SK Tok Jiring (81), SK Bukit Gasing (59) dan SK Bukit Nenas (25).

Pengarah Angkatan Pertahanan Awam Malaysia (APM) Terengganu Leftenan Kolonel (PA) Che Adam A Rahman berkata peningkatan mendadak di Kuala Nerus itu disebabkan fenomena air pasang sehingga air tidak dapat mengalir ke laut dan banyak kawasan perumahan dinaiki air.

"Bagaimanapun keadaan dijangka bertambah baik sepanjang hari ini dan penduduk terjejas banjir di Kuala Nerus dijangka berkurangan.

"Marang yang merekodkan pemindahan mangsa banjir paling ramai malam tadi pula masih kekal dengan jumlah sama iaitu 497 orang (142 keluarga) di empat PPS," katanya.

Jumlah mangsa banjir di Dungun juga kekal tidak berubah iaitu 45 orang (11 keluarga) yang berada di Dewan Sivik Paka.

Che Adam berkata di Kuala Terengganu pula, terdapat sedikit pertambahan mangsa iaitu 81 orang (24 keluarga) berbanding 65 orang (20 keluarga) malam tadi.

"Setiu pula merekodkan penurunan iaitu 32 orang (tujuh keluarga) di Surau Kampung Nyatoh dan hanya PPS itu masih beroperasi ketika ini.

"Selain itu, tiada jalan persekutuan atau jalan negeri yang ditutup kepada kenderaan seperti malam tadi kerana semua laluan yang dinaiki air sudah boleh digunakan seperti biasa pagi ini," katanya.

Beliau bagaimanapun menasihatkan orang ramai agar tetap berhati-hati kerana **Jabatan Meteorologi Malaysia** melaporkan angin kencang Timur Laut dengan kelajuan 40-50 kilometer/jam (kmsj) dengan ombak mencapai ketinggian hingga 3.5 meter (11 kaki) dijangka berlaku di kawasan perairan Kelantan, Terengganu, Pahang, Sarawak, WP Labuan & Sabah (Pedalaman & Pantai Barat) hingga Selasa ini.

"Keadaan angin kencang dan laut bergelora ini adalah berbahaya kepada bot-bot kecil, rekreasi laut dan sukan laut," katanya.

-- BERNAMA



Gempa Bumi Kuat Landa Pesisiran Pantai Ecuador

KUALA LUMPUR, 3 Dis (Bernama) -- Gempa bumi kuat berukuran 6.1 pada skala Richter melanda pesisiran pantai Ecuador pada pukul 7.19 malam ini.

Menurut kenyataan **Jabatan Meteorologi Malaysia**, pusat gempa bumi terletak di 0.5 darjah selatan dan 80.6 darjah timur laut dari Sullana, Peru serta 17,847 kilometer dari timur laut Kinabatangan, Sabah.

Bagaimanapun, gempa itu tidak mendatangkan ancaman tsunami.

-- BERNAMA



ZAKRI ABDUL
HAMID

FUTURE COMPETITIVE ADVANTAGE

4TH INDUSTRIAL REVOLUTION AND THE AGE OF OPTIMISATION

Nations that lead the world in innovation will also lead in environmental sustainability and economic success

INNOVATIVE technologies defining the Fourth Industrial Revolution hold the promise of a path to environmental sustainability. Their introduction is also transforming the world's workplaces, with expectation of countless jobs being created and eliminated at a rapid pace, with the many social implications such disruption entails.

Such was the basis of discussion at last week's Global Innovation Summit 2017 in Kuala Lumpur, organised by the Global Federation of Competitiveness Councils (GFCC) and the Malaysian Industry-Government Group for High Technology (MIGHT).

The issues addressed at the summit could not be more important. How to achieve an innovative, competitive and environmentally sustainable economy is fundamental to our national wellbeing. There are major opportunities and rewards, but serious risks are also abundant in the decisions made today.

According to Deborah Wine-Smith, president of GFCC and chief executive officer of the United States Council on Competitiveness, the world is entering "a technology-driven Age of Optimisation" bringing about more sustainable production and consumption. These technologies "could answer the grand global challenges of adequate food, clean water, energy, the environment and global health".

Digitisation, sensorisation, and big data will help optimise all aspects of manufacturing production, according to Wine-Smith.

"We will have the ability to illuminate the operation of every machine and device, the cut of every blade, every movement of



Padi fields in Sekinchan. An example of high-tech driven change is sensor-enabled smart farming, focused down to square meter scale, with irrigation water delivered precisely when and where needed, while saving energy. FILE PIC

material, and the consumption of energy minute by minute – providing insight for greater efficiency, waste reduction and lower energy consumption."

Other examples of high-tech driven change include sensor-enabled smart farming, focused down to square meter scale, with irrigation water delivered precisely when and where needed, while saving energy.

With sustainability heavily dependent on innovation, GFCC outlined 10 guiding principles for nations, regions and cities to succeed in ever more fierce global trading rivalries and achieve environmental sustainability.

The principles emphasise key competitiveness drivers: research and development; education and training for all; sustainable and responsible natural resource development; strong intellectual property rights; open trade; and, a stable, transparent, efficient and fair environment for business investment, formation and growth.

The key message from GFCC: Nations that lead the world in innovation will also lead in environmental sustainability and economic success.

Many delegates later joined the inter-session meeting of Malaysia's Global Science and Innovation Advisory Council (GSIAC), an informal group of distinguished national and international leaders in economics, business,

science and technology, mandated with helping Malaysia reach developed country status by 2020.

GSIAC, likewise, took up technology issues, but from the perspective of Malaysia's readiness for "Industry 4.0" – the automation and digitisation of industrial processes through robotics and emerging technologies, also called the Fourth Industrial Revolution.

Presented at the meeting was a GSIAC survey of nine senior business and government executives in Malaysia, revealing major concerns, most notably regarding shortfalls in talent, coordinated direction and a lack of awareness about the profound industrial revolution under way worldwide.

The assessment was to help inform and complement a policy document on Industry 4.0 being developed by the International Trade and Industry Ministry.

The world's three past industrial revolutions evolved from the invention of the steam engine, the electrification and expansion of industries for mass production and the digital revolution produced by computers and information technologies.

Industry 4.0 is being driven by the convergence of advanced technologies, such as robotics, artificial intelligence, the Internet of Things, autonomous vehicles, 3D printing, nanotechnology, biotechnology, materials science, energy storage and quantum computing. Industry 4.0 includes "the digi-

tisation of the manufacturing sector, with embedded sensors in virtually all product components and manufacturing equipment", and real-time analysis of data during the manufacturing process.

This transformation has the potential to disrupt "almost every industry in every country" and "is evolving much faster and with greater impact" than any of the previous industrial revolutions, according to the assessment. And "in an ever more globalised world, Malaysia is compelled to embrace the 4th Industrial Revolution in order to stay competitive".

But, the nation needs to be better prepared to confront the profound challenges ahead. With that in mind, the report elaborates on eight major recommendations:

- STRENGTHEN** talent development;
- SET** clear governmental directions;
- INCREASE** awareness;
- FOCUS** on the 20 per cent of corporations with the conviction to embrace Industry 4.0;
- LEVERAGE** large corporations;
- CREATE** a conducive business ecosystem;
- IMPROVE** Internet infrastructure; and,
- FOCUS** on the service sector.

With respect to the first recommendation – talent development – the last word belongs to my joint chairman at MIGHT, Tan Sri Ahmad Tajuddin Ali: "As a nation, our future competitive advantage will rely largely on our strength and depth of science and technology-based innovation capacity. Otherwise, our ability to compete in the global marketplace will be severely jeopardised. If we do not do the right things today, especially in the field of education, when the time comes, it will be too late, as the real outcome of what we do today will only be realised 20 to 30 years from now."

The writer is science adviser to the prime minister and recipient of the 2017 Global Competitiveness Award from the Global Federation of Competitiveness Councils

6 Industry 4.0 is being driven by the convergence of advanced technologies, such as robotics, artificial intelligence, the Internet of Things, autonomous vehicles, 3D printing, nanotechnology, biotechnology, materials science, energy storage and quantum computing.

KERATAN AKHBAR
NEW STRAITS TIMES (BUSINESS) : MUKA SURAT B5
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VIEW POINT

FOURTH INDUSTRIAL REVOLUTION



ASHRAN
GHAZI

Embracing transformation via collaborative innovation

WE live in an age of rapid change and transformation. From the time I started helming the Malaysian Global Innovation & Creativity Centre (MaGIC), I was blown away by the brilliant ideas developed by our local talent.

While these are solutions that may have been thought of when these groups of individuals recognised certain gaps in the market, collectively they are contributing to changes essential in reshaping the economic, social, cultural, and human context in which we live in.

I will be highlighting my observations as chief executive officer of MaGIC, together with insights from Klaus Schwab in his book "The Fourth Industrial Revolution", throughout my article.

I particularly like the way he put it – how the changes we are experiencing now are so profound that, from the perspective of human history, there has never been a time of greater promise or potential peril.

While the first industrial revolution used water and steam to mechanise production, the second industrial revolution utilised electric energy to create mass production, while the third used electronics and information technology to automate production, and is usually referred to as the digital revolution.

The fourth industrial revolution (or Industry 4.0) more often than not is referred to as the confluence of systems that enable the customisation of products and the creation of new operating

models, but it is really more than that. It is the fusion of various merging technological breakthroughs like nanotechnology, artificial intelligence and quantum computing, among others.

With transformation taking place so rapidly around us, it is essential for industry leaders and entrepreneurs to think about how their respective sectors will transform in the years to come. Rather than riding the wave of change, we can collaboratively take charge and respond to changes within industries in a proactive manner.

Transforming and enhancing sectors and industries cannot be done by one specific party alone. It is more efficient and effective to address this wave of rapid change through collaboration, or what I like to call collaborative innovation, in order to draw out actionable insights so that structured plans can be put in place for the betterment of different sectors.

Established businesses would have to look to entrepreneurs and young, dynamic firms, and vice versa. Big corporations have the resources and operational systems in place, but more often than not, they lack specific skills and have lower sensitivity to evolving customer needs and demands. Entrepreneurs or smaller firms, on the other hand, do not have access to as large a capital pool as their corporate counterparts and lack the rich and complex data generated by mature operations.

As stated by a World Economic

Forum report titled "Collaborative Innovation: Transforming Business, Driving Growth", when firms share resources through collaborative innovation, significant value can be created for both parties as well as for the economies in which such collaborations take place.

This is precisely what the Global Entrepreneurship Community Summit (GECCommunity Summit) 2017 aims to achieve this month. The summit brings together not only corporations, entrepreneurs and industry bigwigs, but every single party that is involved in the entrepreneurship ecosystem – to discuss and explore ways in enhancing sectors in this age of transformation.

Sparking conversations that address the challenges and opportunities we are witnessing across sectors is the first step in making transformative changes. Ultimately, we aim to bring these ideas discussed into fruition through facilitation and structured plans.

This follows MaGIC's establishment of the Corporate Entrepreneurship Responsibility (CER) platform, a national initiative to facilitate greater corporate and private sector involvement as the next major thrust of developing Malaysia's entrepreneurship ecosystem.

As members of MaGIC's CER Circle, corporations would be able to run innovation challenges for local, regional and global startups through MaGIC Activate's Startup Corporate Open Innova-

tion Challenge Platform.

This concept of collaboration among different parties within the entrepreneurship ecosystem is reflected in the GEC Labs, which is the core of GECCommunity Summit this year.

This year, conversations at GEC Labs will cut across 15 themes – artificial intelligence & machine learning; e-commerce & retail; fashion & beauty; food & beverage; hardware & IoT; health & biotech; media, gaming & entertainment; mobility & transportation; security & IT; virtual reality & augmented reality; education; social innovation; fintech & payment; creative; and smart cities.

It is only through conversations with different parties along the value chain that innovation can happen more efficiently and effectively. While ideas are the first step towards transformation, collaboration between parties is imperative for effective action to take place.

Industry 4.0 gives that nudge to firms to go beyond marketing agreements and conceptual plans in order to understand and adopt comprehensive collaborative approaches.

After all, the act of embracing Industry 4.0 has to be inclusive so that sectors will flourish while embodying the opportunities and challenges in this age of transformation.

The writer is CEO of the Malaysian Global Innovation & Creativity Centre.

With transformation taking place so rapidly around us, it is essential for industry leaders and entrepreneurs to think about how their respective sectors will transform in the years to come.

KERATAN AKHBAR
THE SUN (SUNBIZ) : MUKA SURAT 18
TARIKH : 4 DISEMBER 2017 (ISNIN)



CyberSecurity Malaysia chairman General (R) Tan Sri Mohd Azumi Mohamed (left) with May Cyber Teknologi chairman Mehmet Ali Yalcindag after an MoU signing ceremony between CyberSecurity Malaysia and May Cyber Teknologi to establish a strategic partnership based on their technological capabilities and capacity in Putrajaya last Tuesday.