IoT
ECOSYSTEM
and SDGs

Session with

Dato’ Sri Ganes

About

Registered in the later part of 2016, MyIoTA or **Malaysia Internet-of-Things Association** is founded by a group of individuals & companies in the private sector, passionate & involved in IoT value chain in Malaysia & beyond. With the global trend of 50B* devices(things) connected by 2020, IoT will be an important catalyst in transforming the digital economy landscape. MyIoTA works together with industry players to develop a thriving IoT eco-system for companies adopting & providing IoT solutions & services

OUR VISION

To Champion & realize the full potential of IoT as part of Malaysia's digital economy , empowering towards the Fourth Industrial Revolution

Our Mission

- To promote investments, use cases & applications of IoT
- To be the forum for IoT entrepreneurs, researchers, CIOs & policy makers for sharing ideas & expertise in latest IoT technologies
- To harmonize & promote partnerships in software, hardware & platform services
- To promote local IoT companies at the global level & increase their competitiveness

Activities

IAI SOLUTION

IOT CONFERENCE
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NATIONAL INNOVATION AND CREATIVE ECONOMY EXPO'17
IOT, EMPOWERING THE 4TH INDUSTRIAL REVOLUTION
12 - 13 OCTOBER 2017
ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION (APU)
TECHNOLOGY PARK MALAYSIA, KUALA LUMPUR

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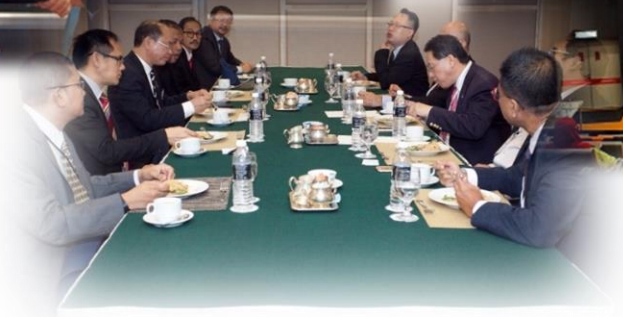


Activities

BERNAMA › NEWS

Key Sectors To Benefit From Low Power Wan Technology

CYBERJAYA, May 23 (Bernama) --The manufacturing, transportation, healthcare, agriculture and digital lifestyle are key sectors in Malaysia that will benefit from the adoption of Low Power-WAN (LPWAN) technology in the implementation of the Internet-of-Things (IoT).

Malaysian Communications and Multimedia Commission (MCMC) Communications and Digital Ecosystem Sector Chief Officer Datuk Mohd Ali Hanafiah Mohd Yunus said LPWAN was among the latest technology in the IoT world that could help make the daily lives of people easier and better.

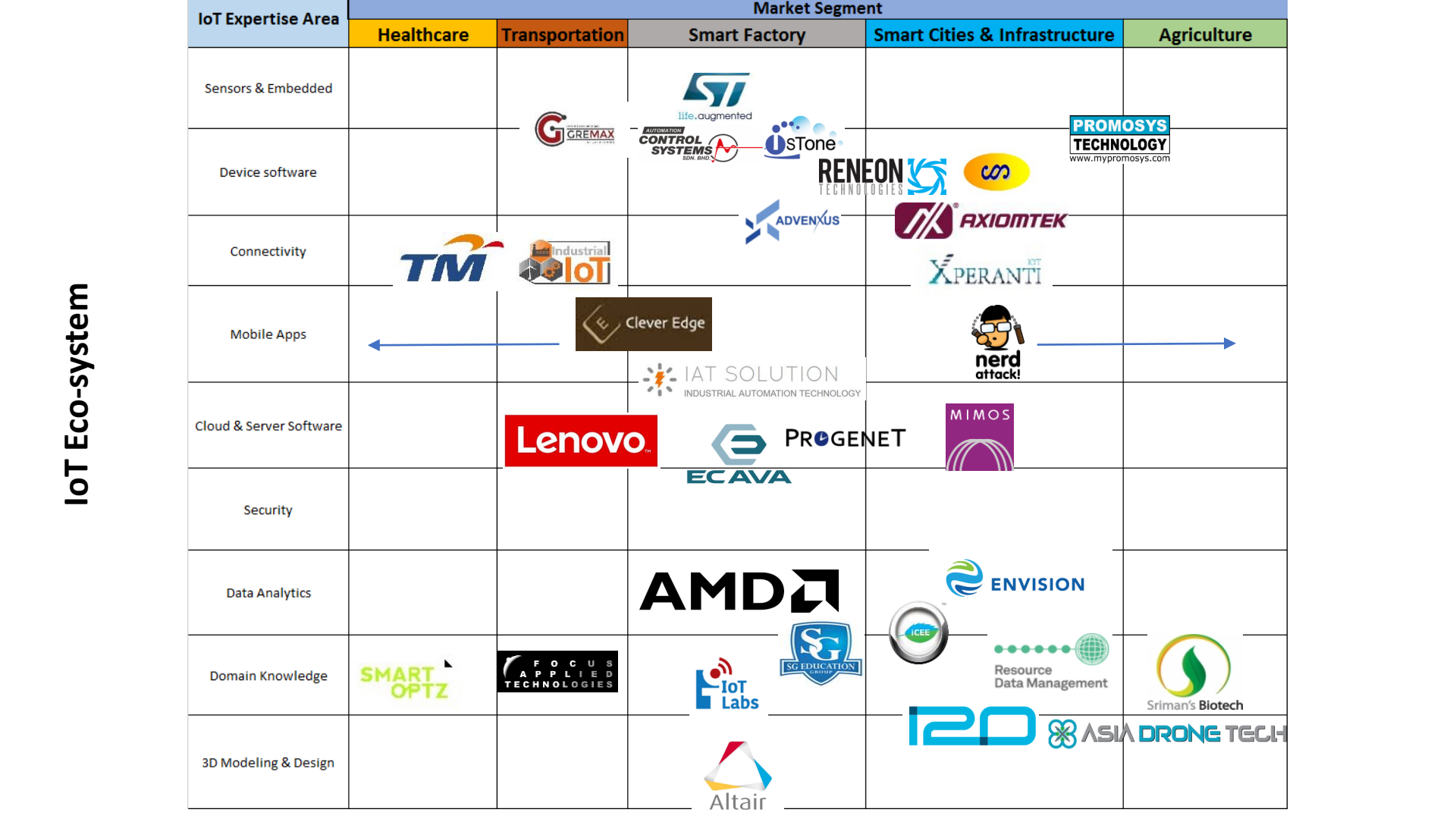
"These sectors can definitely ride on rapid IoT development to bring business value and enhance our quality of life," he said in his welcoming remark at a seminar on "Digital Lifestyle: IoT Transforming Businesses" here Tuesday....

Organised by
ECOWORLD

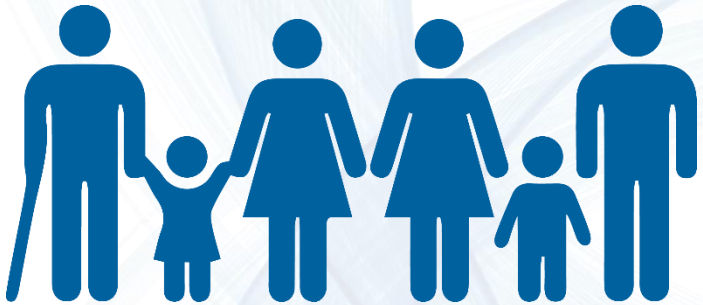
http://www.my-iot.org/membership-application

IoT Eco-system

IoT Expertise Area	Market Segment				
	Healthcare	Transportation	Smart Factory	Smart Cities & Infrastructure	Agriculture
Sensors & Embedded					
Device software					
Connectivity					
Mobile Apps					
Cloud & Server Software					
Security					
Data Analytics					
Domain Knowledge					
3D Modeling & Design					



NO POVERTY



Spending patterns on mobile phone services can provide proxy indicators of income levels

ZERO HUNGER

Crowd sourcing or tracking of food prices listed online can help monitor food security in near real-time

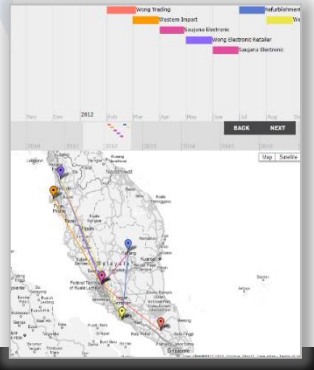
The Data Value Chain:

Premium Frozen Durian Export to China

Orchard

Transformation

Shipping History



Authenticated Certification

Malaysia Durian Exporters Association

Product Events Details with additional information

GOOD HEALTH AND WELL-BEING

Mapping the movement of mobile phone users can help predict the spread of infectious diseases

QUALITY EDUCATION

Citizen reporting can reveal reasons for student drop-out rates

GENDER EQUALITY

Analysis of financial transactions can reveal the spending patterns and different impacts of economic shocks on men and women

CLEAN WATER AND SANITATION

Sensors connected to water pumps can track access to clean water

case studies & other articles

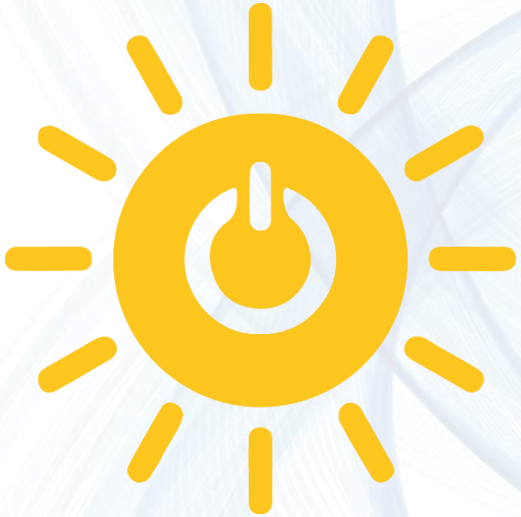
i2O Water helps Veolia Water save 1.5 million litres of water a day and nearly £100,000 a year in water wastage reduction

Posted: Monday 23rd April 2012

i2O Water Ltd, a provider of water network monitoring solutions, has today announced that it has helped Veolia Water realise savings in excess of 1.5 million litres of water a day, nearly £100,000 a year, and improve customer service, following a successful roll out of i2O Water's integrated network monitoring system across 31 Veolia Water sites in the UK.

%. In Malaysia, for example, i20 recently installed 200 systems, reducing leakage in the state of Selangor by more than 35 million litres per day - enough to provide water to 250,000 people. Furthermore, the burst rate has come down by a staggering 48%.

AFFORDABLE AND CLEAN ENERGY



Smart mattering allows utility companies to increase of restrict the flow of electricity, gas or water to reduce waste and ensure adequate supply at peak periods

Envision Energy Leverages IOT Technologies To Optimize Renewable Energy

ENVISION

By leveraging IoT and Big Data, energy providers can produce more output, reduce operating costs, improve the accuracy of forecasting, and provide a better and cheaper service to market. It is estimated that one wind turbine customer was able to increase the amount of megawatts produced by 10-12% which equates to millions of dollars.

DECENT WORK AND ECONOMIC GROWTH

Patterns in global postal traffic can provide indicators such as economic growth, remittances, trade and GDP

INDUSTRY, INNOVATION AND INFRASTRUCTURE

Data from GPS devices can be used for traffic control and to improve public transport

REDUCED INEQUALITY

Speech-to-text analytics on local radio content can reveal discrimination concerns and support policy response

SUSTAINABLE CITIES AND COMMUNITIES

Satellite remote sensing can track encroachment on public land or spaces such as parks and forests

RESPONSIBLE CONSUMPTION AND PRODUCTION

Online search patterns or e-commerce transactions can reveal the pace of transition to energy efficient products

CLIMATE ACTION

Combining satellite imagery crowd-sourced witness accounts and open data can help track deforestation

Getting Cooling Right All The Time, In Real-Time Has & Continues to be a Challenge

Unique & Different For Each Building

Unpredictable Conditions / Weather + Development & Renovations + Chiller Efficiency Differences + People Present / Production Load = Continuously Changing Heat Load

Despite Advanced Building & Plant Mgmt Systems = Buildings Annoyingly Cold!

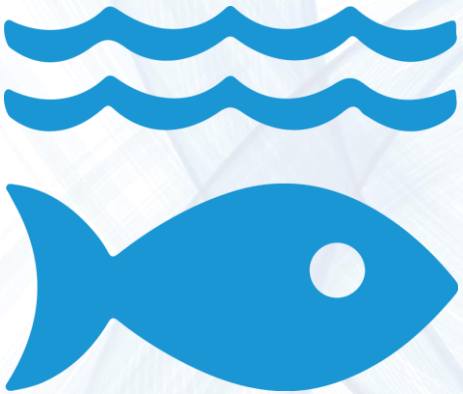
A Community Problem

+ Rising Energy Consumption & Costs

+ Need For CO_2 Reduction

= Desperate Need For Better iCEE Control Systems

LIFE BELOW WATER



Maritime vessel tracking data can reveal illegal, unregulated and unreported fishing activities

LIFE ON LAND

Social media monitoring can support disaster management with real-time information on victim location, effects and strength of forest fires or haze

PEACE, JUSTICE AND STRONG INSTITUTIONS

Sentiment analysis of social media can reveal public opinion on effective governance, public service delivery or human rights

PARTNERSHIPS FOR THE GOALS

Partnerships to enable the combining of statistics, mobile and internet data can provide a better and real-time understanding of today's hyper-connected world