

IoT impact on Malaysia GNI



2020
Total :
RM 9.5B

2025
Total :
RM 42.5B

New Industry To Be Created

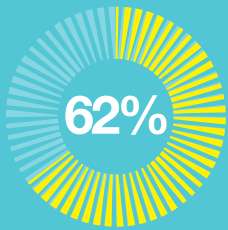
| | | 2020 Total : RM 9.5B | 2025 Total : RM 42.5B | New Industry To Be Created |
|---|--------------------------------|-------------------------|--------------------------|---|
| Analytics, Apps & Services Layer 4 | Software & Solution Developers | RM 7.5B | RM 34.0B | <ul style="list-style-type: none"> • Outsourcing service - Solution services - Analytic Services - Software testing services - Security service • Application development |
| Storage & Cloud Layer 3 | Network Service Providers | RM 0.5B | RM 2.1B | <ul style="list-style-type: none"> • IoT Network infrastructure • Software development • Storage service • IoT based Cloud Computing services |
| Communication & Networking Layer 2 | | RM 0.5B | RM 2.1B | |
| Things, Hardware, Power, Protocols Layer 1 | Manufacturing | RM 1.0B | RM 4.3B | <ul style="list-style-type: none"> • ODM/OEM - Customised product • Smart Manufacturing • Certification and testing |

Internet of Things is an Industry Game Changer

Source: MIMOS 2014

IoT Enablers and Challenges

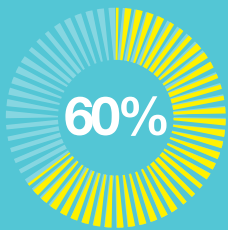
5 key technologies enabling IoT deployment



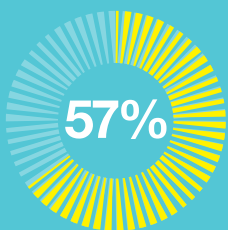
Security



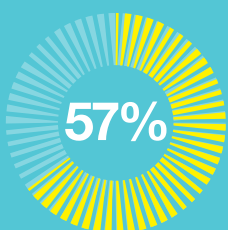
Openness of data



Support services

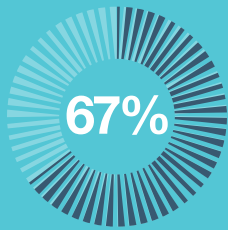


Flexibility & extensibility

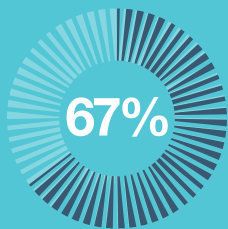


Ease of implementation

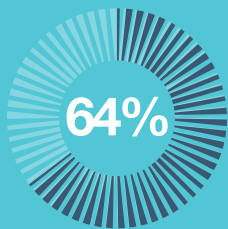
5 Challenges



Regulations



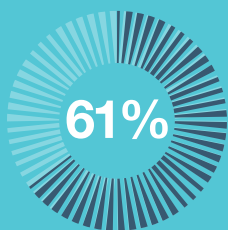
Security



Privacy



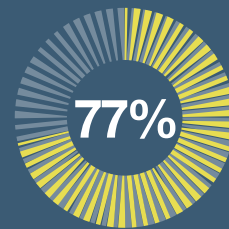
Standard



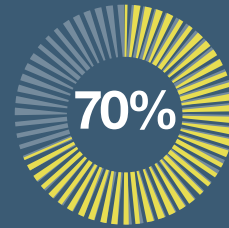
Sustainable business model

IoT ADOPTION

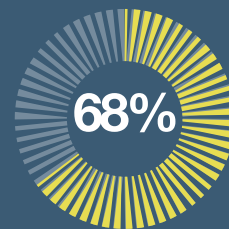
5 elements drive Malaysian industry's IoT adoption



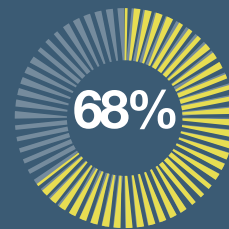
Growth of data



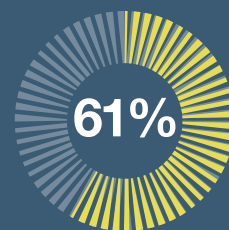
Enabling service industry



Potential to drive operation cost down

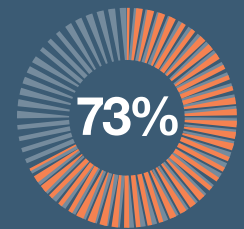


Novel M2M solution



High smart phone penetration

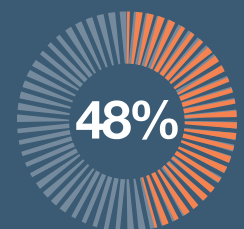
5 early adopters



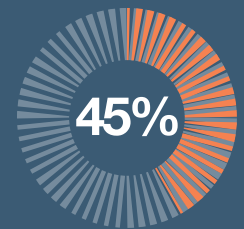
Transportation/Logistics



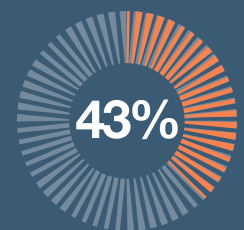
Banking, Finance & Insurance



Manufacturing



Healthcare



Agriculture

Source: IoT Technical Working Group, 2014;; Total respondents, N=41

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