

INSIGHTS

are generated by combining lots of different data sets into actionable information

DATA

is stored, processed and presented in a way that makes sense

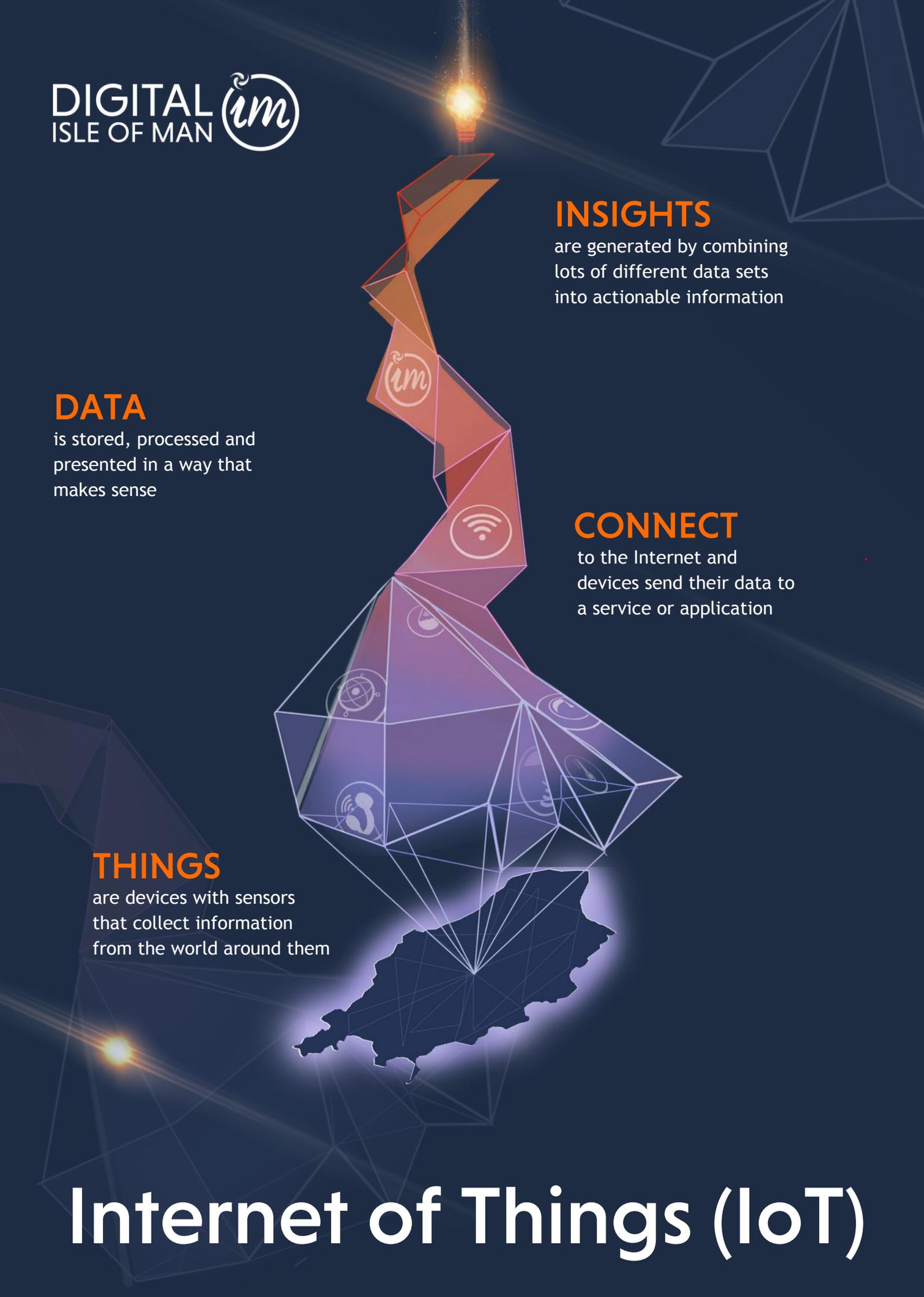
CONNECT

to the Internet and devices send their data to a service or application

THINGS

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Internet of Things (IoT)



Breaking IoT down

Explaining IoT can be a challenge so we are developing resource materials breaking the concept and ecosystem down into four key themes:

THINGS are devices with sensors that collect information from the world around them.

That's to say hardware, and in this category there are many examples which we will expand on and add to; devices, sensors, actuators, phones, tablets, wearables, gateways, modems, chips, SIMs etc.

CONNECT to the Internet and devices send their data to a service or application.

There are many ways to connect and most commonly for IoT we are talking wirelessly, we will talk you through the pros and cons of the many different technologies that are most commonly used; LoRaWAN, 4g/5g, Nb-IoT, LTE-M, WiFi, Sigfox, Zigbee, Bluetooth, RFID etc.

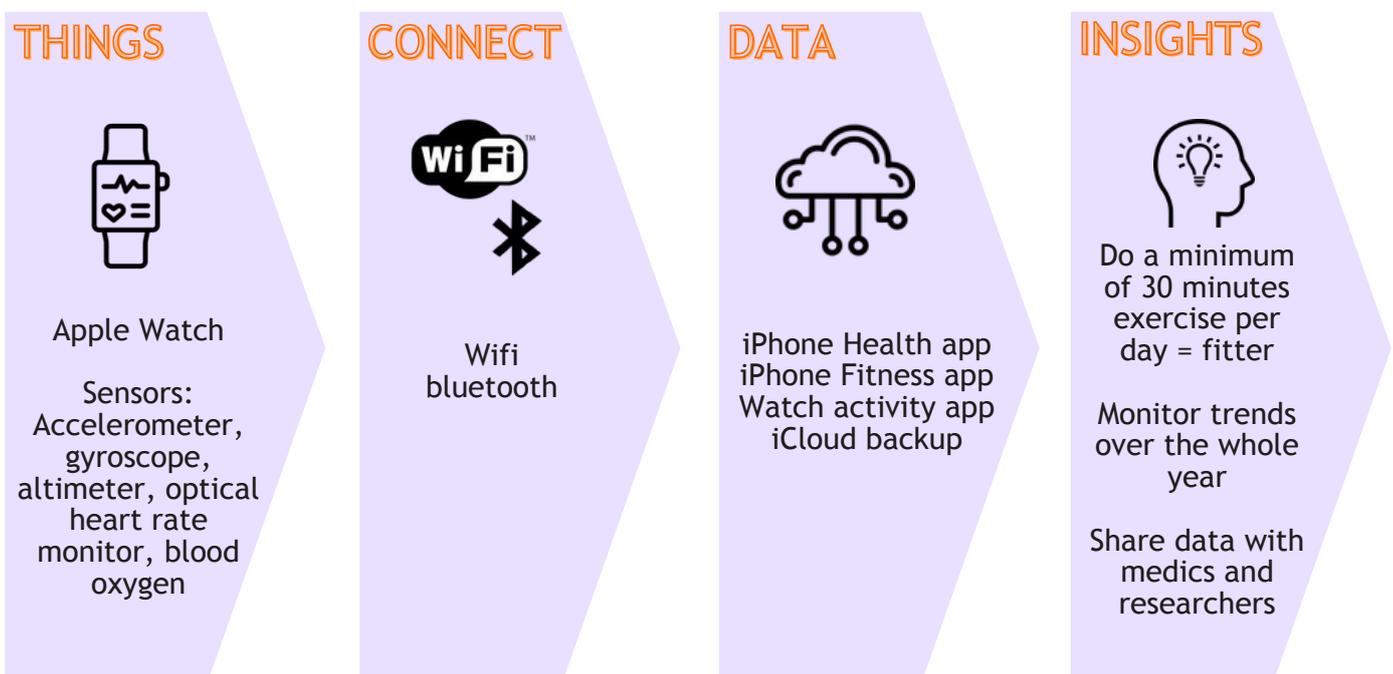
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This can be the hardest area to understand especially when developing new ideas and includes software development, platform management, cloud, data storage and visualisation and analytical tools.

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The most important area but one that is overlooked all too often, it can also be called benefits. These often complicated ecosystems are put in place for good reason, to improve our quality of life. Examples of areas to explore in this category are; research, policy, societal benefit, business cases for return on investment and much more.

Let's take a tangible example that is familiar to many people, the smart watch:



The Isle of Man Government Accelerator approach is to:

Encourage the use of existing and emerging technologies to capture information about the physical world around us and use that information to enhance the wellbeing of our community.

Facilitate the use of IoT, in the public and private sector to improve productivity and profitability.

Support, develop and test innovative uses of these technologies in a small Island setting, which can then be exported to larger markets, creating commercial opportunities for Manx businesses.

Educate by increasing awareness of IoT in schools, colleges, charities, business and government.

Provide access to service providers and other organisations that can support your business growth as well as the free, Island-wide LoRaWAN.

Interested organisations are encouraged to register as an associate member. Associates can submit an application to use the LoRaWAN, becoming members. The team will help provide expert advice to support programme applicants in implementing a solution. We are building up a supporting partner ecosystem looking to connect industry, education and technology partners so please also get in touch if you'd like to learn more or be added to a resource list for Associates looking for IoT guidance and solutions.

Contact us: Sarah Ennett
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.....and join our thriving Digital Island

