

# Internet of Things (IoT) & Ireland

## Collect, Connect & Transform

Ireland is the most connected place in the world

### Did you know...

- \* Intel's Galileo development board and Quark chip was designed in Ireland
- \* IBM's SmartBay has it's own floating sea laboratory facility "Sealab"
- \* The most energy efficient high-speed analogue to digital converter was created by Irish company S3
- \* National Geographic recently named Dublin as a capital for the Internet of Things
- \* Irish-led EU Project, OpenIoT enables a new range of open, large scale intelligent IoT applications using a utility cloud computing delivery model
- \* Ireland has unique industry partnership models attracting international investment and creating indigenous growth.

## Some of the companies in **Ireland** involved in **IoT**



## Research in **Ireland** in **Internet of Things**

**Tyndall** for microelectronics and MEM's, wearable surgical training glove, capsule technology

**Amber/CRANN** for Nanotechnology, have developed a new method of producing industrial quantities of high quality graphene

**Insight** for data analytics, the largest publically funded data analytics R&D centre in Europe

**Connect** for advanced telecommunications, created the world's longest IoT backbone over TV whitespace spectrum

**Adapt** for Digital Content, pioneering intelligent behaviour

**TSSG** for Telecommunications Systems & Software.



## Ireland of Things

### Smart Ireland

**Analog Devices:** Thousands of advanced product lines in IoT

**SAP:** Next Generation R&D Data Analytics

**Intel:** The 'IoT' Quark Chip designed in Ireland

**IBM:** SmartBay and Smart Cities Projects

**HP:** HAVEn big data platform

**EMC:** Collaborating partner in a large European IoT testbed

**Movidius:** Creators of the myriad chip a vision processing platform

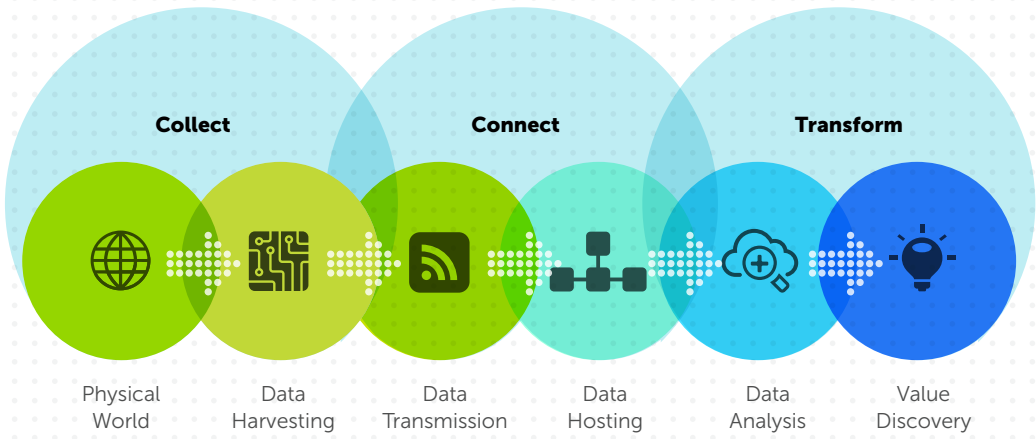
**Grasp:** Wearable technologies

**SAS:** Centre for data analytics

**NCAD:** Design Thinking & Prototyping

# Ireland - Collecting, Connecting and Transforming

**People, process, data, & things** - the internet of everything



Ireland has developed resources & capabilities in the semiconductor & microprocessor industry **for over 30 years**

Ireland has been ranked **6th & 8th in the world** for nanoscience & materials science, Thomson Reuters Essential Science Indicators

We have a highly **collaborative R&D eco system**

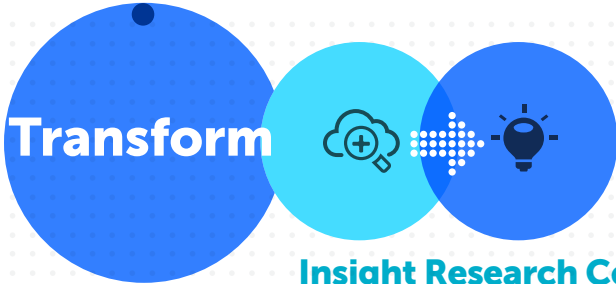


**Ireland can provide test & trial access** to the Radio Spectrum

**We have an advanced telecommunications network boasting 7th in the world for broadband speed,** according to the global State Of The Internet index

**Ireland has an ideal climate to host data**

Vodafone's M2M technology in Ireland is powering connected solutions in everything from airlines to powerfeed



**Insight Research Centre, Europe's largest publically funded R&D centre** for data analytics with significant IoT capability

**SAP chose Ireland** as their prime location for next generation analytics

**Our universities are producing** world class, highly skilled Data Scientists & Analysts

Ireland is **one of only 2 countries** in the world with a **Minister for Data Protection.**

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