

iWire Connect

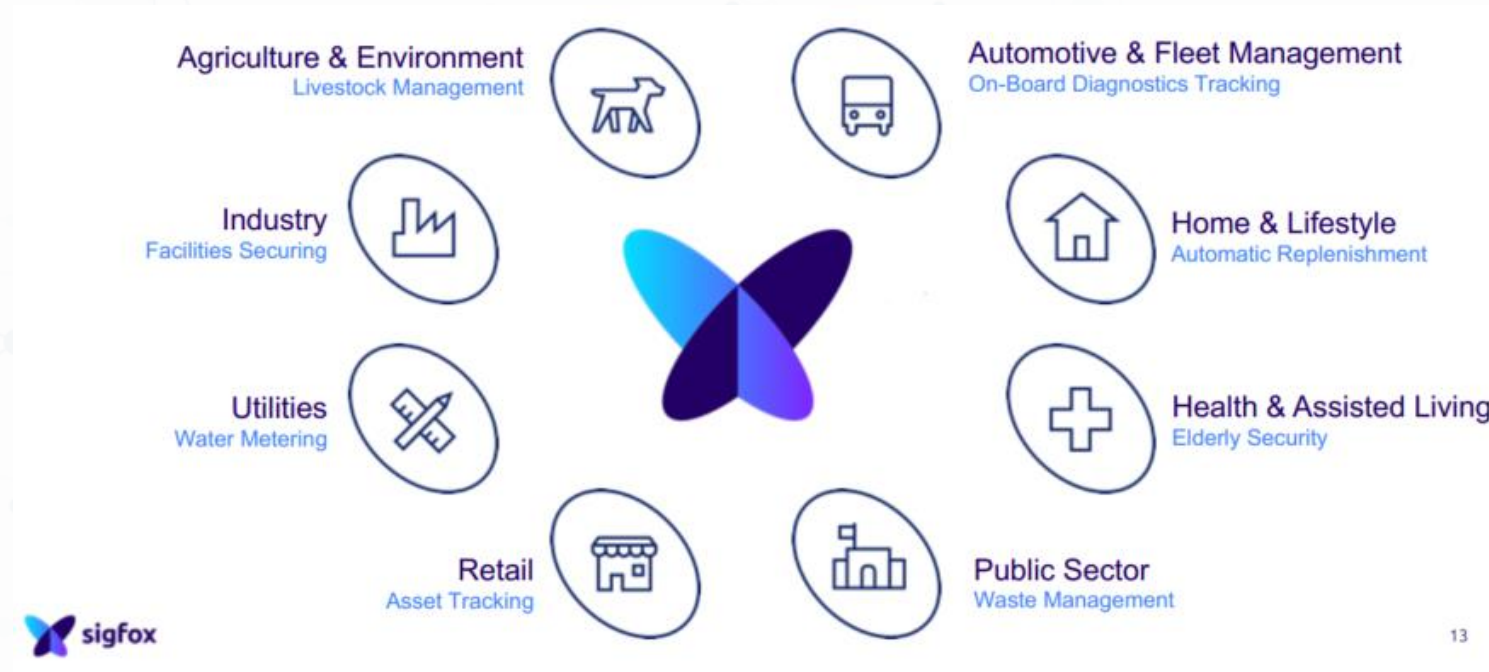


ABOUT US

- We are an **IoT solution provider** offering innovative solutions to connect devices to the Internet, operating in the UAE since 2017
- We are a TRA registered IoT Service Provider
- We offer IoT solutions to enterprises, governments, smart cities, utilities and tech companies in the UAE



INTERNET OF THINGS



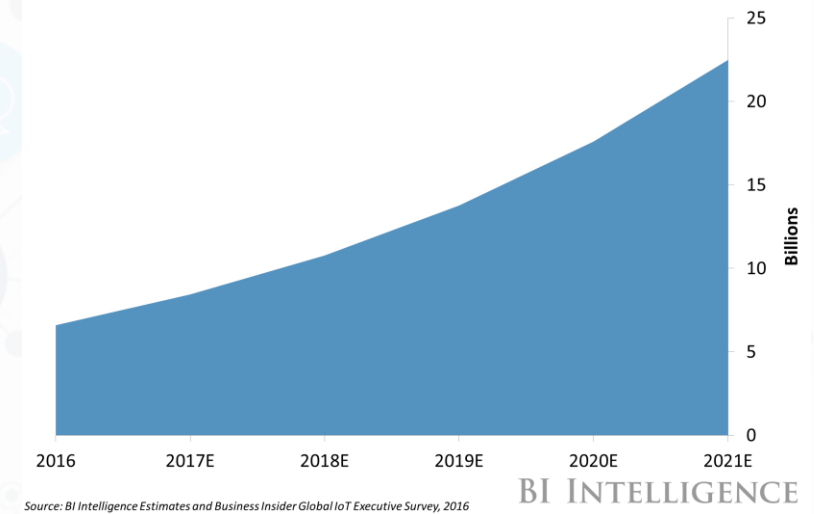
13

Internet of Things as a business phenomenon is fast becoming reality and a way of life, transforming whole industries and businesses in its wake.

INTERNET OF THINGS



FORECAST: IoT Device Installation Base
Global, 2016-2021



It is expected that by 2021, there will be 25 billion connected objects

INTERNET OF THINGS

Enterprises of all sizes - government and private - can realize immense benefits using IoT technology in their business processes such as:



Remote
Monitoring



Asset
Tracking



Cost
Optimization



Automation



SIGFOX

- Sigfox is a low-power wide area technology using unlicensed spectrum (Industrial, Scientific and Medical Band Radio Frequencies) for wireless communication
- Devices using Sigfox technology are low cost, consume low power (with battery life of 5-10 years), and communicate over a 5-15 KM range

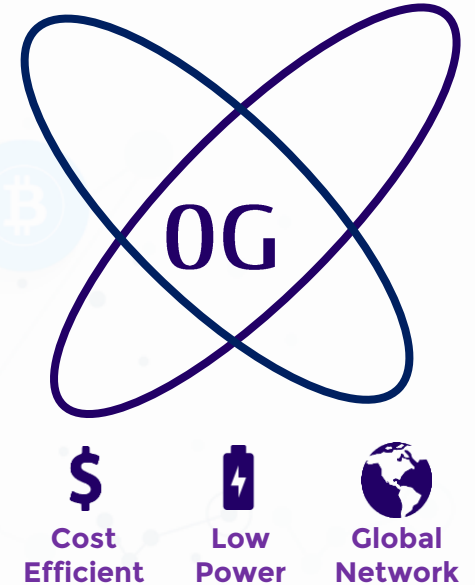


| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| ABC | 1,123,456 | 2,345,678 | 3,456,789 | 4,567,890 | 5,678,901 | 6,789,012 | 7,890,123 | 8,901,234 | 9,012,345 | 10,123,456 |
| DEF | 1,234,567 | 2,456,789 | 3,567,890 | 4,678,901 | 5,789,012 | 6,890,123 | 7,901,234 | 8,012,345 | 9,123,456 | 10,234,567 |
| GHI | 1,345,678 | 2,567,890 | 3,678,901 | 4,789,012 | 5,890,123 | 6,901,234 | 7,012,345 | 8,123,456 | 9,234,567 | 10,345,678 |
| JKL | 1,456,789 | 2,678,901 | 3,789,012 | 4,890,123 | 5,901,234 | 6,012,345 | 7,123,456 | 8,234,567 | 9,345,678 | 10,456,789 |
| MNO | 1,567,890 | 2,789,012 | 3,890,123 | 4,901,234 | 5,012,345 | 6,123,456 | 7,234,567 | 8,345,678 | 9,456,789 | 10,567,890 |
| PQR | 1,678,901 | 2,890,123 | 3,901,234 | 4,012,345 | 5,123,456 | 6,234,567 | 7,345,678 | 8,456,789 | 9,567,890 | 10,678,901 |
| STU | 1,789,012 | 2,901,234 | 4,012,345 | 5,123,456 | 6,234,567 | 7,345,678 | 8,456,789 | 9,567,890 | 10,678,901 | 11,789,012 |
| VWX | 1,890,123 | 3,012,345 | 5,123,456 | 6,234,567 | 7,345,678 | 8,456,789 | 9,567,890 | 10,678,901 | 11,789,012 | 12,890,123 |
| YZA | 1,901,234 | 3,123,456 | 6,234,567 | 7,345,678 | 8,456,789 | 9,567,890 | 10,678,901 | 11,789,012 | 12,890,123 | 13,901,234 |
| BCD | 2,012,345 | 3,234,567 | 7,345,678 | 8,456,789 | 9,567,890 | 10,678,901 | 11,789,012 | 12,890,123 | 13,901,234 | 14,012,345 |
| EFG | 2,123,456 | 3,345,678 | 8,456,789 | 9,567,890 | 10,678,901 | 11,789,012 | 12,890,123 | 13,901,234 | 14,012,345 | 15,123,456 |
| HIJ | 2,234,567 | 3,456,789 | 9,567,890 | 10,678,901 | 11,789,012 | 12,890,123 | 13,901,234 | 14,012,345 | 15,123,456 | 16,234,567 |
| KLM | 2,345,678 | 3,567,890 | 10,678,901 | 11,789,012 | 12,890,123 | 13,901,234 | 14,012,345 | 15,123,456 | 16,234,567 | 17,345,678 |
| NOP | 2,456,789 | 3,678,901 | 11,789,012 | 12,890,123 | 13,901,234 | 14,012,345 | 15,123,456 | 16,234,567 | 17,345,678 | 18,456,789 |
| QRS | 2,567,890 | 3,789,012 | 12,890,123 | 13,901,234 | 14,012,345 | 15,123,456 | 16,234,567 | 17,345,678 | 18,456,789 | 19,567,890 |
| TUV | 2,678,901 | 3,890,123 | 13,901,234 | 14,012,345 | 15,123,456 | 16,234,567 | 17,345,678 | 18,456,789 | 19,567,890 | 20,678,901 |
| WXY | 2,789,012 | 3,901,234 | 14,012,345 | 15,123,456 | 16,234,567 | 17,345,678 | 18,456,789 | 19,567,890 | 20,678,901 | 21,789,012 |
| ZAB | 2,890,123 | 4,012,345 | 15,123,456 | 16,234,567 | 17,345,678 | 18,456,789 | 19,567,890 | 20,678,901 | 21,789,012 | 22,890,123 |
| CGH | 2,901,234 | 4,123,456 | 16,234,567 | 17,345,678 | 18,456,789 | 19,567,890 | 20,678,901 | 21,789,012 | 22,890,123 | 23,901,234 |
| DIJ | 3,012,345 | 4,234,567 | 17,345,678 | 18,456,789 | 19,567,890 | 20,678,901 | 21,789,012 | 22,890,123 | 23,901,234 | 24,012,345 |
| EKL | 3,123,456 | 4,345,678 | 18,456,789 | 19,567,890 | 20,678,901 | 21,789,012 | 22,890,123 | 23,901,234 | 24,012,345 | 25,123,456 |
| FMN | 3,234,567 | 4,456,789 | 19,567,890 | 20,678,901 | 21,789,012 | 22,890,123 | 23,901,234 | 24,012,345 | 25,123,456 | 26,234,567 |
| GOP | 3,345,678 | 4,567,890 | 20,678,901 | 21,789,012 | 22,890,123 | 23,901,234 | 24,012,345 | 25,123,456 | 26,234,567 | 27,345,678 |
| HQR | 3,456,789 | 4,678,901 | 21,789,012 | 22,890,123 | 23,901,234 | 24,012,345 | 25,123,456 | 26,234,567 | 27,345,678 | 28,456,789 |
| IST | 3,567,890 | 4,789,012 | 22,890,123 | 23,901,234 | 24,012,345 | 25,123,456 | 26,234,567 | 27,345,678 | 28,456,789 | 29,567,890 |
| JUV | 3,678,901 | 4,890,123 | 23,901,234 | 24,012,345 | 25,123,456 | 26,234,567 | 27,345,678 | 28,456,789 | 29,567,890 | 30,678,901 |
| KWX | 3,789,012 | 4,901,234 | 24,012,345 | 25,123,456 | 26,234,567 | 27,345,678 | 28,456,789 | 29,567,890 | 30,678,901 | 31,789,012 |
| LYZ | 3,890,123 | 5,012,345 | 25,123,456 | 26,234,567 | 27,345,678 | 28,456,789 | 29,567,890 | 30,678,901 | 31,789,012 | 32,890,123 |
| MAA | 3,901,234 | 5,123,456 | 26,234,567 | 27,345,678 | 28,456,789 | 29,567,890 | 30,678,901 | 31,789,012 | 32,890,123 | 33,901,234 |
| NBB | 4,012,345 | 5,234,567 | 27,345,678 | 28,456,789 | 29,567,890 | 30,678,901 | 31,789,012 | 32,890,123 | 33,901,234 | 34,012,345 |
| OCB | 4,123,456 | 5,345,678 | 28,456,789 | 29,567,890 | 30,678,901 | 31,789,012 | 32,890,123 | 33,901,234 | 34,012,345 | 35,123,456 |
| PDD | 4,234,567 | 5,456,789 | 29,567,890 | 30,678,901 | 31,789,012 | 32,890,123 | 33,901,234 | 34,012,345 | 35,123,456 | 36,234,567 |
| QEE | 4,345,678 | 5,567,890 | 30,678,901 | 31,789,012 | 32,890,123 | 33,901,234 | 34,012,345 | 35,123,456 | 36,234,567 | 37,345,678 |
| RFF | 4,456,789 | 5,678,901 | 31,789,012 | 32,890,123 | 33,901,234 | 34,012,345 | 35,123,456 | 36,234,567 | 37,345,678 | 38,456,789 |
| SII | 4,567,890 | 5,789,012 | 32,890,123 | 33,901,234 | 34,012,345 | 35,123,456 | 36,234,567 | 37,345,678 | 38,456,789 | 39,567,890 |
| TJJ | 4,678,901 | 5,890,123 | 33,901,234 | 34,012,345 | 35,123,456 | 36,234,567 | 37,345,678 | 38,456,789 | 39,567,890 | 40,678,901 |
| UKK | 4,789,012 | 5,901,234 | 34,012,345 | 35,123,456 | 36,234,567 | 37,345,678 | 38,456,789 | 39,567,890 | 40,678,901 | 41,789,012 |
| VLL | 4,890,123 | 6,012,345 | 35,123,456 | 36,234,567 | 37,345,678 | 38,456,789 | 39,567,890 | 40,678,901 | 41,789,012 | 42,890,123 |
| WMM | 4,901,234 | 6,123,456 | 36,234,567 | 37,345,678 | 38,456,789 | 39,567,890 | 40,678,901 | 41,789,012 | 42,890,123 | 43,901,234 |
| XNN | 5,012,345 | 6,234,567 | 37,345,678 | 38,456,789 | 39,567,890 | 40,678,901 | 41,789,012 | 42,890,123 | 43,901,234 | 44,012,345 |
| YOO | 5,123,456 | 6,345,678 | 38,456,789 | 39,567,890 | 40,678,901 | 41,789,012 | 42,890,123 | 43,901,234 | 44,012,345 | 45,123,456 |
| ZZP | 5,234,567 | 6,456,789 | 39,567,890 | 40,678,901 | 41,789,012 | 42,890,123 | 43,901,234 | 44,012,345 | 45,123,456 | 46,234,567 |
| AAA | 5,345,678 | 6,567,890 | 40,678,901 | 41,789,012 | 42,890,123 | 43,901,234 | 44,012,345 | 45,123,456 | 46,234,567 | 47,345,678 |
| BBB | 5,456,789 | 6,678,901 | 41,789,012 | 42,890,123 | 43,901,234 | 44,012,345 | 45,123,456 | 46,234,567 | 47,345,678 | 48,456,789 |
| CCC | 5,567,890 | 6,789,012 | 42,890,123 | 43,901,234 | 44,012,345 | 45,123,456 | 46,234,567 | 47,345,678 | 48,456,789 | 49,567,890 |
| DDD | 5,678,901 | 6,890,123 | 43,901,234 | 44,012,345 | 45,123,456 | 46,234,567 | 47,345,678 | 48,456,789 | 49,567,890 | 50,678,901 |
| EEE | 5,789,012 | 6,901,234 | 44,012,345 | 45,123,456 | 46,234,567 | 47,345,678 | 48,456,789 | 49,567,890 | 50,678,901 | 51,789,012 |
| FFF | 5,890,123 | 7,012,345 | 45,123,456 | 46,234,567 | 47,345,678 | 48,456,789 | 49,567,890 | 50,678,901 | 51,789,012 | 52,890,123 |
| GGG | 5,901,234 | 7,123,456 | 46,234,567 | 47,345,678 | 48,456,789 | 49,567,890 | 50,678,901 | 51,789,012 | 52,890,123 | 53,901,234 |
| HHH | 6,012,345 | 7,234,567 | 47,345,678 | 48,456,789 | 49,567,890 | 50,678,901 | 51,789,012 | 52,890,123 | 53,901,234 | 54,012,345 |
| III | 6,123,456 | 7,345,678 | 48,456,789 | 49,567,890 | 50,678,901 | 51,789,012 | 52,890,123 | 53,901,234 | 54,012,345 | 55,123,456 |
| JJJ | 6,234,567 | 7,456,789 | 49,567,890 | 50,678,901 | 51,789,012 | 52,890,123 | 53,901,234 | 54,012,345 | 55,123,456 | 56,234,567 |
| KKK | 6,345,678 | 7,567,890 | 50,678,901 | 51,789,012 | 52,890,123 | 53,901,234 | 54,012,345 | 55,123,456 | 56,234,567 | 57,345,678 |
| LLL | 6,456,789 | 7,678,901 | 51,789,012 | 52,890,123 | 53,901,234 | 54,012,345 | 55,123,456 | 56,234,567 | 57,345,678 | 58,456,789 |
| MMM | 6,567,890 | 7,789,012 | 52,890,123 | 53,901,234 | 54,012,345 | 55,123,456 | 56,234,567 | 57,345,678 | 58,456,789 | 59,567,890 |
| NNN | 6,678,901 | 7,890,123 | 53,901,234 | 54,012,345 | 55,123,456 | 56,234,567 | 57,345,678 | 58,456,789 | 59,567,890 | 60,678,901 |
| OOO | 6,789,012 | 7,901,234 | 54,012,345 | 55,123,456 | 56,234,567 | 57,345,678 | 58,456,789 | 59,567,890 | 60,678,901 | 61,789,012 |
| PPP | 6,890,123 | 8,012,345 | 55,123,456 | 56,234,567 | 57,345,678 | 58,456,789 | 59,567,890 | 60,678,901 | 61,789,012 | 62,890,123 |
| QQQ | 6,901,234 | 8,123,456 | 56,234,567 | 57,345,678 | 58,456,789 | 59,567,890 | 60,678,901 | 61,789,012 | 62,890,123 | 63,901,234 |
| RRR | 7,012,345 | 8,234,567 | 57,345,678 | 58,456,789 | 59,567,890 | 60,678,901 | 61,789,012 | 62,890,123 | 63,901,234 | 64,012,345 |
| SSS | 7,123,456 | 8,345,678 | 58,456,789 | 59,567,890 | 60,678,901 | 61,789,012 | 62,890,123 | 63,901,234 | 64,012,345 | 65,123,456 |
| TTT | 7,234,567 | 8,456,789 | 59,567,890 | 60,678,901 | 61,789,012 | 62,890,123 | 63,901,234 | 64,012,345 | 65,123,456 | 66,234,567 |
| UUU | 7,345,678 | 8,567,890 | 60,678,901 | 61,789,012 | 62,890,123 | 63,901,234 | 64,012,345 | 65,123,456 | 66,234,567 | 67,345,678 |
| VVV | 7,456,789 | 8,678,901 | 61,789,012 | 62,890,123 | 63,901,234 | 64,012,345 | 65,123,456 | 66,234,567 | 67,345,678 | 68,456,789 |
| WWW | 7,567,890 | 8,789,012 | 62,890,123 | 63,901,234 | 64,012,345 | 65,123,456 | 66,234,567 | 67,345,678 | 68,456,789 | 69,567,890 |
| XXX | 7,678,901 | 8,890,123 | 63,901,234 | 64,012,345 | 65,123,456 | 66,234,567 | 67,345,678 | 68,456,789 | 69,567,890 | 70,678,901 |
| YYY | 7,789,012 | 8,901,234 | 64,012,345 | 65,123,456 | 66,234,567 | 67,345,678 | 68,456,789 | 69,567,890 | 70,678,901 | 71,789,012 |
| ZZZ | 7,890,123 | 9,012,345 | 65,123,456 | 66,234,567 | 67,345,678 | 68,456,789 | 69,567,890 | 70,678,901 | 71,789,012 | 72,890,123 |
| AAA | 7,901,234 | 9,123,456 | 66,234,567 | 67,345,678 | 68,456,789 | 69,567,890 | 70,678,901 | 71,789,012 | 72,890,123 | 73,901,234 |
| BBB | 8,012,345 | 9,234,567 | 67,345,678 | 68,456,789 | 69,567,890 | 70,678,901 | 71,789,012 | 72,890,123 | 73,901,234 | 74,012,345 |
| CCC | 8,123,456 | 9,345,678 | 68,456,789 | 69,567,890 | 70,678,901 | 71,789,012 | 72,890,123 | 73,901,234 | 74,012,345 | 75,123,456 |
| DDD | 8,234,567 | 9,456,789 | 69,567,890 | 70,678,901 | 71,789,012 | 72,890,123 | 73,901,234 | 74,012,345 | 75,123,456 | 76,234,567 |
| EEE | 8,345,678 | 9,567,890 | 70,678,901 | 71,789,012 | 72,890,123 | 73,901,234 | 74,012,345 | 75,123,456 | 76,234,567 | 77,345,678 |
| FFF | 8,456,789 | 9,678,901 | 71,789,012 | 72,890,123 | 73,901,234 | 74,012,345 | 75,123,456 | 76,234,567 | 77,345,678 | 78,456,789 |
| GGG | 8,567,890 | 9,789,012 | 72,890,123 | 73,901,234 | 74,012,345 | 75,123,456 | 76,234,567 | 77,345,678 | 78,456,789 | 79,567,890 |
| HHH | 8,678,901 | 9,890,123 | 73,901,234 | 74,012,345 | 75,123,456 | 76,234,567 | 77,345,678 | 78,456,789 | 79,567,890 | 80,678,901 |
| III | 8,789,012 | 9,901,234 | 74,012,345 | 75,123,456 | 76,234,567 | 77,345,678 | 78,456,789 | 79,567,890 | 80,678,901 | 81,789,012 |
| JJJ | 8,890,123 | 10,012,345 | 75,123,456 | 76,234,567 | 77,345,678 | 78,456,789 | 79,567,890 | 80,678,901 | 81,789,012 | 82,890,123 |
| | | | | | | | | | | |

ABOUT SIGFOX

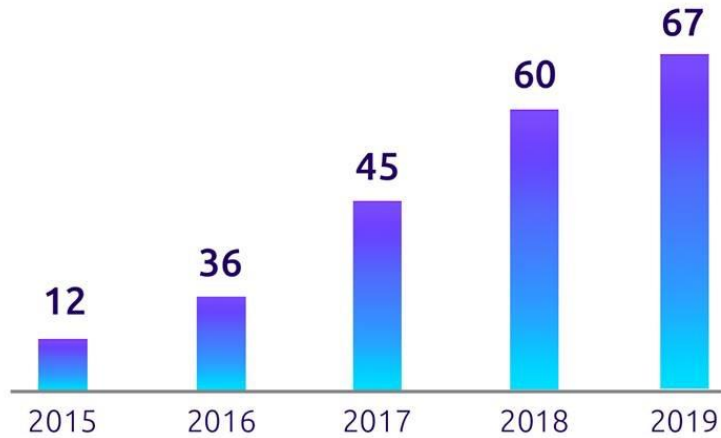


- Sigfox is a pioneer in low-power wide area (LPWA) communication technology (also known as OG) from France
- Sigfox was founded in 2010 in France and established the first commercial grade IoT network in France in 2013
- Today, Sigfox is available in 61 countries across all continents
- iWire is the exclusive distributor of Sigfox technology in the UAE and is expanding its network in 9 more countries – India, KSA, Turkey, Bahrain, Kuwait, Jordan, Tunisia, Algeria and Morocco



ABOUT SIGFOX

Today present in 67 countries



Currently covering +1 Billion people



December 2019

15.3M

Connected
Devices

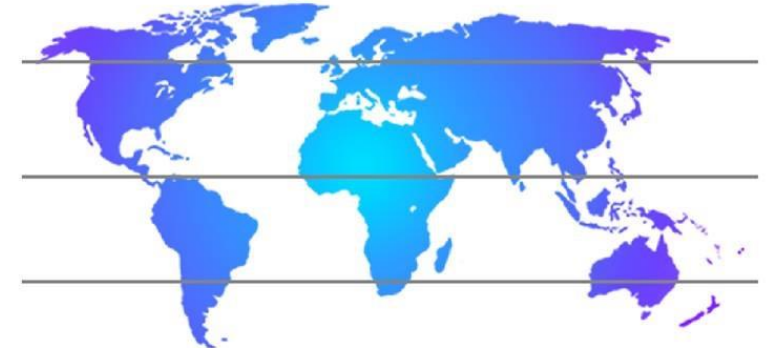


24.6M

Messages sent
per day

Currently spanning +5 million km²

2019
5.3M km²
2018
3.6M km²
2017
1.2M km²



HOW SIGFOX WORKS



MODULES / DEVICES

Sigfox provides the protocol royalty-free to semiconductor and module makers

ONE NETWORK

Sigfox works with operators in each country to build a country-wide network

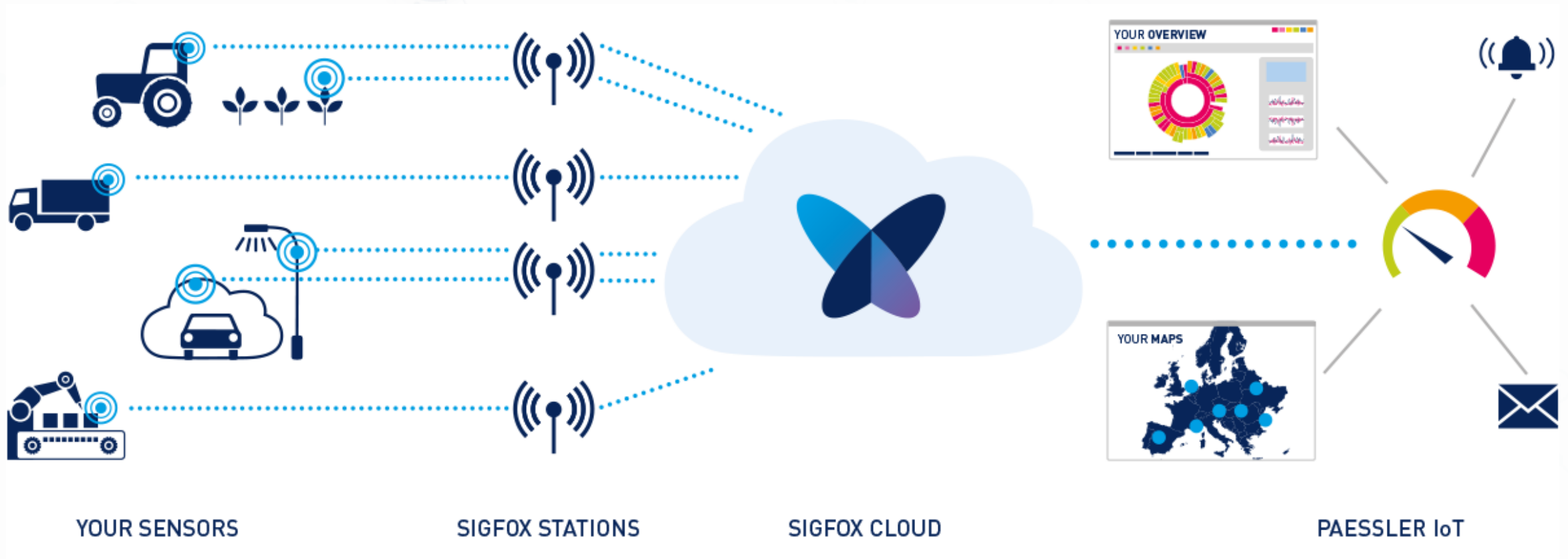
ONE CLOUD

Sigfox manages a global cloud for all operators

RETURN ON DATA

Customer data at an unbeatable cost of production

SOLUTION ARCHITECTURE



WHY IS IT IMPORTANT

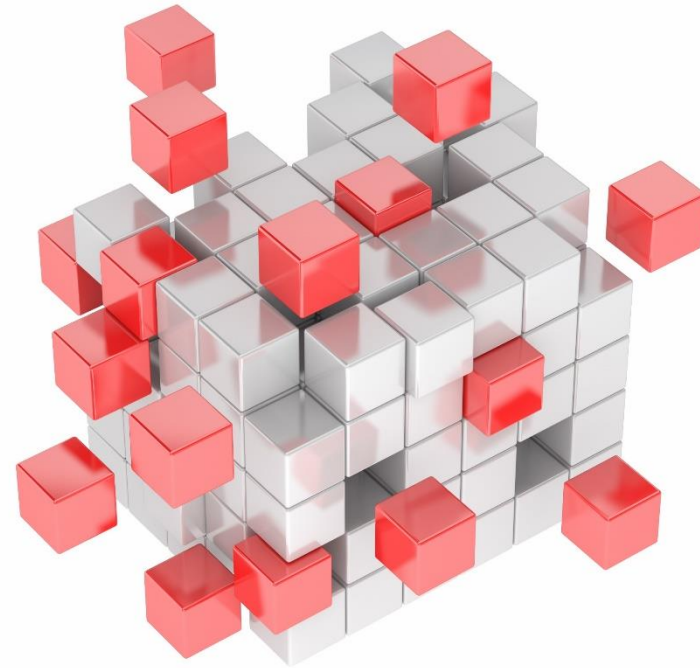
- IoT offers significant opportunities for businesses to improve their asset performance, bolster security and eliminate resource and cost bottlenecks
- oG technology from Sigfox is enabling IoT solutions that were not feasible with other technologies (Bluetooth, Wi-Fi and GSM)
- For governments, smart cities, utilities and enterprises, investment into viable IoT solutions is a must



OUR ROLE



**We offer market-ready,
proven IoT solutions**



**We design customer-specific
IoT solutions, to meet
business requirements**

OUR IoT OFFERINGS



Smart Cities



Street Lights



Smart Parking



Smart Logistics



Smart Utilities



Smart Agriculture

We provide innovative IoT solutions using Sigfox technology

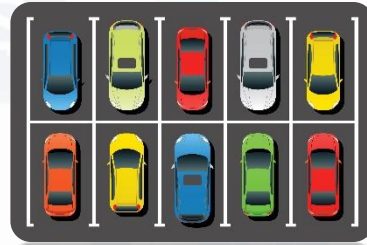
IoT SOLUTIONS

We have proven and commercially viable IoT solutions,
ready to go in the following domains



Street Lights

We offer **Intelligent LED** Street Lights and **Sustainable Street Lights** powered by wind and solar panels.



Smart Parking

We offer **Smart Parking** solution for public and private parking areas with AI-powered analytics.



Smart ID

We offer **Smart ID** solution for staff and visitor access to facilities with indoor and outdoor tracking capabilities.



Smart Logistics

We offer **Smart Logistics** solution for asset tracking with AI-powered route optimization and fleet management.

IoT SOLUTIONS

We offer system integration to deliver innovative solutions powered by IoT and Machine Learning, in the following domains



Smart City

We have developed a comprehensive **Smart City** blueprint, mapping key functionality with relevant technologies and solutions



Smart Energy

We provide a highly efficient **Smart Energy Efficiency** solution with proven ROI to reduce over 30% energy costs for HVAC for buildings.



Smart Fire Safety

We provide cost-effective and wireless **Fire Safety** solution for buildings.

OUR CUSTOMERS

We are working with government, enterprise and multinational customers



بلدية مدينة أبوظبي
ABU DHABI CITY MUNICIPALITY



SPECIAL OLYMPICS
WORLD GAMES
ABU DHABI 2019

AMNEX

NEC



وزارة الداخلية
Ministry of Interior



حكومة دبي
GOVERNMENT OF DUBAI



موانئ دبي العالمية
DP WORLD



FOIZ
منطقة الفجيرة للصناعة البترولية
Fujairah Oil Industry Zone



وزارة الداخلية
Ministry of Interior



بلدية دبي
DUBAI MUNICIPALITY



بلدية الفجيرة
FUJAIRAH MUNICIPALITY



وزارة الحج والعمرة
MINISTRY OF HAJJ AND UMRAH



شركة البنىةاءات البترولوية الوطنوية
NATIONAL PETROLEUM CONSTRUCTION COMPANY



الشارقة لإدارة الأصول
Sharjah Asset Management



موانئ أبوظبي
ABU DHABI PORTS

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