IOT'S :
A Question of Quality

THE EXPONENTIAL GROWTH OF IOT'S

31 BILLION
IoT's

8.5 BILLION
IoT's

2017   2025
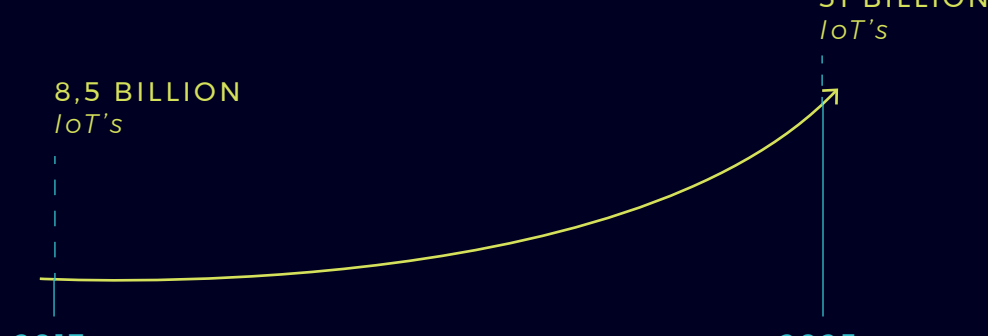
THE DEVELOPMENT OF THREE SECTORS

smart **home**

smart **building**

smart **city**

THE UNSTABLE FUNCTIONALITY OF IOT'S

Between 2018 and 2022, **$10 billion**
will be spent to recall defective IoT's due to errors in their
development.

THE STABILITY OF IOT'S IS A CHALLENGE

CONNECTIVITY

Wi-Fi   2G 3G 4G 5G

The key to any IoT is **its ability to connect** to other devices via Bluetooth as well as a wifi
network. Connecting and staying connected to another device or network is complex.
Connection issues can render an IoT unusable if it is prevented from communicating and
sharing data.

COMPATIBILITY

The commercial success of an IoT is dependent upon its **compatibility** with a large
number of both new and old smartphones and tablets **irrespective of the type of device**,
brand, or OS version.

OS Fragmentation :

iOS   /   🤖   /   Windows Phone

Brands :

acer / 🍎 / ASUS / bq / htc / HUAWEI / LG / MEIZU

MOTOROLA / OnePlus / OPPO / SAMSUNG / SONY / Wiko / XIAOMI

Non-exhaustive

TESTING CHALLENGES

TEST DIVERSITY

Software + IoT

IoT + Software

IoT ↔ IoT

It is important to test the multiple facets of IoT interactions and behavior.

Testing an IoT involves evaluating the functions and UX of the IoT itself as well as the software
(mobile app or website) used to communicate with device. This is key to establishing an
accurate **report regarding the quality of an IoT's connectivity**.

Testing an IoT's UX makes it possible to understand how users perceive the use of the IoT and
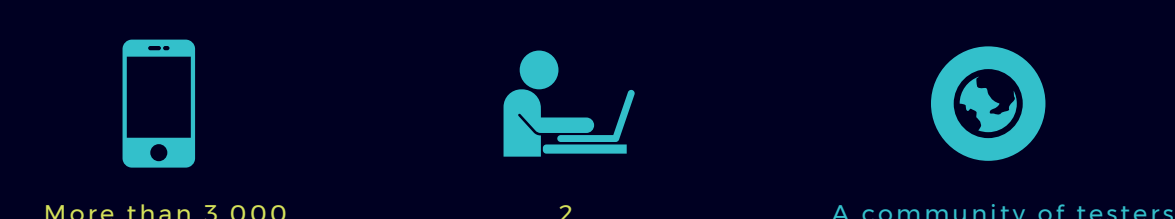its software.

TEST COVERAGE

✓ ✓ ✓ ✓ ✓ ✓ ...

Testing on hundreds of devices is a prerequisite before introducing an IoT to the market.

ROLE OF STARDUST

OUR RESOURCES

More than 3,000
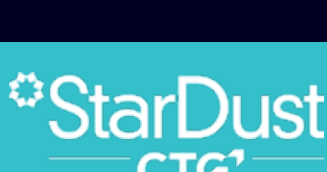device configurations

2
Testing Labs

A community of testers
across 120 countries

OUR EXPERIENCE

We create custom test plans and offer compatibility reports for each testing device.

OUR IOT CLIENTS

@-HEALTH   Babolat   DECATHLON   Dentsply Sirona

hager   HID   LEROY MERLIN   logitech

myBrain   novathings   Rémy Cointreau   SEB

SecuTix   somfy   TEMPOW