



World-class test facilities for your IoT solution

Vodafone IoT Device Test & Support Services

Complex and intelligent IoT solutions require devices that work reliably and robustly at all times in a range of conditions. The IoT Device Test & Support service ensures that your devices are ready to be deployed and behave as expected – reducing the risk of in-the-field failures. Our experts will support you so your IoT device deployment is as quick and reliable as possible.

What do we offer?

The IoT Device Test & Support service combines our pedigree and experience in IoT devices with world-class test facilities at our Vodafone Innovation Park in Düsseldorf, Germany.

Our 2000m² test lab facility supports a wide range of test scenarios with its own dedicated mobile network infrastructure providing the ability to manipulate the environment to represent the use cases that your devices will face when deployed.

Our test centre provides access to robust, rigorous and repeatable testing, carried out by experts with the support of IoT consultants to ensure you get the most out of your testing session.

Experience at your service

As experts in mobile networks and through the development of our own devices we understand how your equipment can best utilise our network. We connect customers and third party apparel from across industry and around the world.

Our team of consultants have a wealth of knowledge and expertise in the testing and certification of IoT devices.

Our IoT Device Test & Support service is part of our suite of IoT Professional Services offerings which can be combined to take advantage of our expertise across your solution architecture and IoT lifecycle.

Benefit from our IoT expertise

With the help of our experts, we will ensure you have full confidence in your devices allowing you to deploy them into the field quickly, efficiently and worry-free. Ensure your devices are:

- Working as you expect them to across the global Vodafone network
- Tested on all network generations (2G/3G/4G) with 2 different Vodafone infrastructure providers
- Optimised in a risk-free lab environment
- Robust and reliable across the envelope of operation
- Interacting with your central systems in an optimised way for mobile networks

IoT Professional Services

Device Test & Support Service

Key features and benefits

Our device and test experts will ensure that your business takes advantage of best practice test approaches and world-class test facilities. Our aim is to enable your IoT device development and deployment to run smoothly and your live system to deliver the performance you want, reducing your time to market and your costs with this 'right first time' approach.

Features	What it means for you?
Repeatable testing environment	Using a dedicated network infrastructure and multiple test scenarios, IoT devices can be tested in a representative environment allowing errors to surface prior to deployment and minimising failure in the field.
Right first time	Deploying fully tested devices means deploying once, reducing your development and deployment costs.
Expert consultancy	Test and certify your IoT devices with the help of our consultants and have our expertise at your side to help resolve any issues

Device test options

Option 1 - Tailored Device Testing

Prior to testing

Our IoT consultant will work with you prior to testing to understand the goals and requirements for your test session. We will develop a detailed test plan utilising the facilities available to achieve your goals and requirements. In addition we will recommend complimentary tests where appropriate so you can exploit the most value from the session.

During testing

We will perform the agreed tests in partnership with your team in the Vodafone Innovation Park in Düsseldorf, Germany.

After testing

On completion of the tests, our consultant will discuss any open issues and make recommendations on next steps. You will receive a full report documenting the tests and results to allow you to implement any necessary updates or fixes prior to device deployment.

Device Testing Details

- Radio Access Network (RAN) testing utilising the live Vodafone Managed IoT Connectivity Platform
- Execution of typical use cases of the IoT device (defined with you in advance of testing)
- Central infrastructure traffic analysis (whilst performing other tests) to observe how the mobile end interacts with the central system and how the central systems respond to mobile conditions that cannot be replicated easily in the real world
- Robustness and reliability tests
- Interoperability tests between the SIM and IoT Device within SIM standards
- Interoperability tests between the SIM and IoT Device using Vodafone's Global M2M profile
- If appropriate, radio-bearer testing against the network infrastructure present in the regions of your use case - Ericsson 2G/3G/4G, Huawei 2G/3G/4G, Core (Nokia, Cisco, etc.)
- Network edge-cases, such as low-signal areas and simulated drives across multiple infrastructures
- We will check that you have the correct supporting documentation for your proposed locations to ensure compliance of radio use

Option 2 - Standard Cellular Module Certification



We offer IoT Module Device Certification as a standard service, which certifies that your IoT module is compliant with the requirements of the Vodafone network providing you greater reliability of radio connectivity, confidence in radio functioning and greater assurance through the device lifecycle.

Why Vodafone?

Vodafone has more than 20 years' experience in the IoT arena with more than 1,400 dedicated IoT experts.

We bring unrivalled capabilities together as one of the world's largest mobile networks with outstanding customer experience and a long track record of success with more than 66 million IoT connections deployed.

Our customers are confidently connected, receive unmatched services and benefit from proven expertise.

Vodafone will enable you to harness the full potential of IoT technology with a range of professional services and keep your organisation ahead of the game.

Next steps

To discover more about how IoT Device Test & Support Service from Vodafone can help your organisation optimise your IoT solution effectively and affordably, visit vodafone.com/iot or contact iot@vodafone.com.

The future is exciting.
Ready?

