



Vodafone Test & Innovation Center

Empowering solutions.



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Introduction to Vodafone

The history of Vodafone Test & Innovation Center

The services we offer





Vodafone

holds mobile networks in 27 countries and is in partnership with mobile networks in 33 countries in 5 continents

has worldwide more than 200 million customers

is one of Europe's largest company

has more than 9000 employees in Germany

has more than 8 Billion Euros of revenue in Germany



Vodafone is one of the world's largest mobile operators.





Benefits

Vodafone's Test & Innovation Center is always finding proactive solutions to each individual client as they come from different vendors and follow diverse technologies.

Use Vodafone's Test & Innovation Center to increase your time to market and reduce your development costs.



Key Features

Latest Multi-Vendor Test Environment

Fixed Mobile Convergence Infrastructure

End to End Testing

Test Automation Services

Test Coordination and Conduction

Development and testing of mobile applications and solutions



vodafone



Origin and Overview

1996: start of the Vodafone Test Center

Originally reference center for Vodafone D2 services

Supports development, system integration and testing

Offers multi-vendor test environment

Offers fixed-mobile convergence infrastructure



Our Facility

Multi-Vendor test environment

Over 60 different vendors implemented

Fixed-mobile convergence Infrastructure

Available floor space: app. 7000 sqm.

App. 300 people working in the test center every day



Vodafone Test & Innovation Center



Life Cycle Testing Services



Test Automation Service



Testing Consultancy / Support services



Application and Solution Development Services





Life Cycle Testing Services

Vodafone's Test & Innovation Center supports your testing needs throughout the whole test life cycle offering you an end to end test infrastructure with the latest mobile technology in a multi vendor environment.

Services:

Testing facility offering (*onsite / remote*)

Trial systems / prototype development and operation for presentation at offsite events

(trade fairs, road shows, exhibitions)

Terminal and service certification

(multi-vendor network certifications)

System Monitoring and Disaster Recovery

System and Network Integration

Terminal and Mobile application & solution testing

Type Acceptance tests

Fixed Mobile convergence test

End-2-End tests (multi-vendor environment)



End to end testing





Life Cycle Testing Services

Vodafone's Test & Innovation Center supports your testing needs throughout the whole test life cycle offering you an end to end test infrastructure with the latest mobile technology in a multi vendor environment.

Benefits:

Save costs and use already existing test environment

Benefit from faster test cycles to reduce your time to market

Always use future mobile technology to improve your market positioning

Test in reliable test environment

Perform testing flexibly according to your needs

Use our proactive support to find test solutions based on your needs



End to end testing



Test Automation Service

Vodafone's test center offers you a wide range of automated test solutions contributing higher quality and cost effectiveness to your test process.

Services:

Load & Stress Test

Performance Test

Automated End to End Test

Charging Verification

Tool evaluation

Test Automation tools:

Mobile / Soft Robots

SIM Card Multiplexer

Load & Stress

Hand over Matrix

Trace Monitor

Speech recognition

Image server

Video- / Voice Quality Protocol Analyzing

...



State of the art

Test Automation Service

Vodafone's test center offers you a wide range of automated test solutions contributing higher quality and cost effectiveness to your test process.

Benefits:

Quick execution and low costs:

Using automated test services and standard test cases that are already in place

Quality improvement:

Achieve high quality for your devices and applications by discovering potential defects through extensive automated tests

Covering complete Test Life Cycle:

- Concept Method & Tools
- Tool Development
- Tool Deployment
- Tool Employment



State of the art

Testing Consultancy / Support services

Our proactive staff at Vodafone's test center will prepare and conduct testing efficiently and cost beneficial using standard testing processes and tools.

Performance



Services:

- Test execution
- Test coordination
- Test solution development
- System Integration support



Testing Consultancy / Support services

Our proactive staff at Vodafone's test center will prepare and conduct testing efficiently and cost beneficial using standard testing processes and tools.

Performance



Benefits:

Quick execution and low costs:

Benefit from our already existing testing processes for a fast test conduction.

High quality in testing:

Comprehensive test execution using established testing tools allows you to uncover relevant defects in time.



Application and Solution Development Services

Overcome the challenge of short lifecycles in a fast moving market of mobile phones and other wireless communication technologies by using our development skill set to develop mobile applications in time and with the expected quality.

Services:

Development of mobile internet services

Development of handset applications

Development of terminals

Innovation



vodafone

Application and Solution Development Services

Overcome the challenge of short lifecycles in a fast moving market of mobile phones and other wireless communication technologies by using our development skill set to develop mobile applications in time and with the expected quality.

Benefits:

Leading tech / cutting edge technology:

Using cutting edge technology we can help you in developing innovative mobile applications and terminals.

Innovation / Quick development of application:

Benefit from our skill set to quickly develop innovative mobile applications in time and with expected quality.

Better quality:

Using agile development processes in Vodafone's test center environment will ensure expected quality throughout the whole development process.

Innovation



Why Vodafone Test & Innovation Center



Lower cost

- No capex or start up
- Fixed/capped cost levels

Time to market

- Parallel development paths possible

Real world test

- Models complex interactions
- Multi vendor/multi standards

Delight the customer

- Reliability from trial
- Speed of response
- Look/feel/usability



Thank you.



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