7layers

SERVING A LARGE VARIETY OF INDUSTRY SECTORS

Safety, security and interoperability are of great impor-tance for high-level M2M products and applications. How-ever, the complexity of the corresponding development and assessment processes rises in line with the complex-ity of the products and applications.

7Layers offers a number of services and tools to support you in handling these demanding tasks. As a global group of engineering and test centers, we have many years experience with wireless technologies. Our technology know-how, coupled with expertise in organizing efficient test and market access processes, makes 7Layers an ideal partner for industries in various sectors.

OUR CLIENTS

- Manufacturers and vendors of chip-sets, modules, protocol stacks
- Manufacturers and vendors of products with wireless connectivity
    - Automotive
    - Tracking & Tracing (RFID)
    - Maintenance and Control
    - Mobile Payment
    - Wireless Health Care
    - Security
    - Smart Metering

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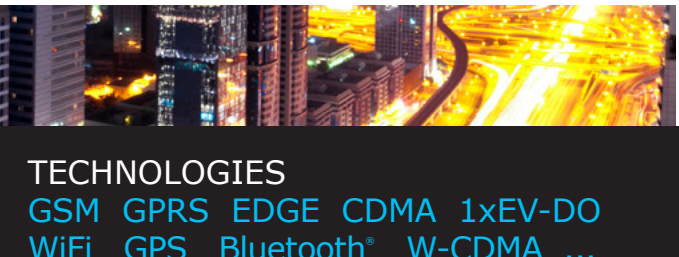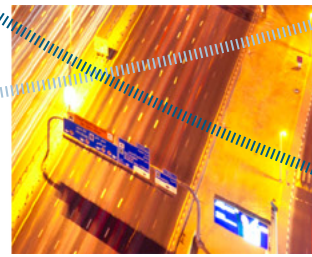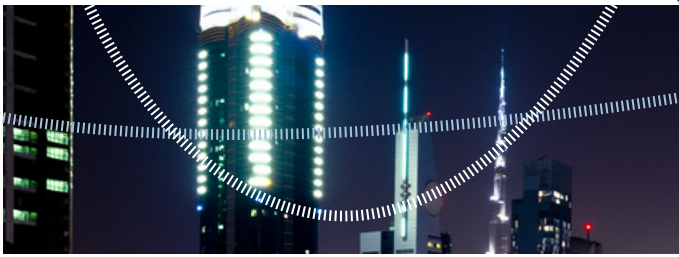Serving devices with integrated wireless connectivity

M2M DEVICES & APPLICATIONS
DEVELOPMENT,
TESTING & CERTIFICATION

Test House | Systems House | Software House

Meet market demands of a smarter world with services and products from the global 7Layers group.

Meet security and reliability standards for high-level M2M products and applications

7LAYERS RADIO TECHNOLOGY EXPERTISE A RELIABLE BASIS FOR YOUR M2M PROJECTS

M2M products and applications for wireless health care, automotive industries, mobile payment, telematics services etc. will play an important role in a smarter world. However requirements such as security, reliability and interoperability have to be met, if high-profile M2M products and applications are to gain market acceptance.

7Layers has years of experience in testing products with integrated wireless technologies and works together with world's leading chip set and module manufacturers.

7Layers analyses the product and the integrated module to set-up a customized, safe and efficient test and market access plan. Our certification and regulatory type approval services are renowned for their efficiency and reliability. With our help, you can obtain the necessary certificates to market your products in even the most difficult of target markets.

Based on our technology expertise and our InterLab® software components, 7Layers also develops test programs, test systems etc. that make the quality of high-level M2M offerings measurable, certifiable and provable. With 7Layers as a partner, you can prepare your M2M products, applications and networks for a smarter world.

TEST AND MARKET ACCESS SERVICES

The comprehensive capabilities of our own accredited test laboratories are ideally complimented with the services of our global network of in-country partner test labs.

PRODUCT ASSESSMENTS

- Development testing
- Regulatory testing
- Conformance testing
- Interoperability and field testing
- Application testing
- Antenna, Battery, Safety and Health testing
  (OTA tests)
- EMC testing

REGULATORY TYPE APPROVAL

For all countries worldwide, including
R&TTE, CE-marking, e-marking, FCC, IC Canada etc.

CERTIFICATION & QUALIFICATION

- PTCRB and GCF certification
- Bluetooth® qualification and listing
- Network operator approvals
- Purchasing approvals
- Made for iPhone certification

DEVELOPMENT SUPPORT

Standard test and certification procedures are not necessarily adequate for such products and applications that are leading us towards a smarter world. Requirements such as reliability, safety, security and interoperability are of key importance. With our InterLab® software components and proven experience, we can help you define the necessary test parameters, develop reliable and economical test strategies, and provide support for further product development.

CONSULTING SERVICES

- Radio technology issues
- Module integration
- End2end security issues

ANTENNA SERVICES

Antenna performance is crucial to devices with wireless connectivity. Size and housing of the device, shielding, frequency bands etc. need to be taken care of. We support you with

- Antenna design
- Antenna integration
- Antenna assessments (OTA)