

# PRESS RELEASE

---

**PRESS RELEASE**February 22, 2013 || Page 1 | 2

---

## 3D Positioning: QUALIGON Entering the Indoor Market with awiloc®

**Pocket size, easy handling: Navigation solutions via smart phones with awiloc® positioning give private users the opportunity to easily and accurately navigate their way through cities and inside buildings. With the help of awiloc®, the required position data can also be determined indoors – in 3D, accurate to the meter and without data communication. The B2B provider QUALIGON will also benefit from the awiloc® advantages. The smart-phone based solution QUALIGON Test Suite (QTS) will be used for cellular networks quality control.**

Reliable analyses on the network quality in indoor environments like airports, shopping malls or office buildings are of crucial importance to mobile service providers in Europe and the US. Accurate position sensing including localization has so far not been possible inside buildings, unlike outdoors, where satellite-based systems like GPS operate. With the positioning solution awiloc® these systems can determine highly precise position data and allow for 3D localization in buildings with an accuracy down to the meter. Based on the assessed radio communication data, the German technology provider for mobile quality assessment of telecommunications services and quality concepts QUALIGON carries out accurate error analyses within its QUALIGON test suite QTS and supports optimizing cellular networks.

### **awiloc® – a server independent system**

As a stand-alone system awiloc® makes use of existing broad-coverage WLAN transmitters and does not entail infrastructure or server expenditures. For Dr.-Ing. Christoph Stepping, chief technical officer at QUALIGON, the navigation solution of Fraunhofer IIS has another crucial advantage: "awiloc® is the only system to produce accurate indoor localization data. That provides us with improved data quality for the analyses and for the optimization of the cellular network. awiloc® contributes decisively to the results of our quality processes." The QTS mobile communications data are measured via smart phone carried by the test persons who move through the rooms to be examined. QUALIGON will launch the test suite in the upcoming weeks in Germany and Europe.

---

#### **Editorial Notes**

**Thoralf Dietz** | Phone +49 9131 776-1630 | [thoralf.dietz@iis.fraunhofer.de](mailto:thoralf.dietz@iis.fraunhofer.de) | Fraunhofer Institute for Integrated Circuits IIS | Am Wolfsmantel 33 | 91058 Erlangen, Germany | [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)

**FRAUNHOFER-INSTITUT FOR INTEGRATED CIRCUITS IIS****Novel services for turn-key positioning projects**

QUALIGON provides new services like 3D modeling of buildings and surroundings, data generation for mapping, and hosting of existing maps for third-parties. QUALIGON offers a broad spectrum of services to meet the needs of the individual client in their specific environment. The service portfolio ranges from mapping to turn-key indoor positioning projects.

---

**PRESS RELEASE**February 22, 2013 || Page 2 | 2

---

**awiloc® at the Mobile World Congress 2013**

Fraunhofer IIS, together with QUALIGON and other members of the awiloc® consortium, including the provider of customized navigation solutions n-solut, will be presenting the positioning solution in its full potential at the Mobile World Congress 2013 in hall 7, booth 7D60, February 25–28, 2013.



**Dr.-Ing. Christoph Stepping, chief technical officer at QUALIGON, is excited about the cooperation with Fraunhofer.**

© QUALIGON | download:  
[www.iis.fraunhofer.de/pr](http://www.iis.fraunhofer.de/pr)



**Pocket size, easy handling: Navigation solutions via smart phones with awiloc® positioning give private users the opportunity to easily and accurately navigate their way through cities and inside buildings.**

© Fraunhofer IIS | download:  
[www.iis.fraunhofer.de/pr](http://www.iis.fraunhofer.de/pr)

---

The **Fraunhofer-Gesellschaft** is the leading organization for applied research in Europe. Its research activities are conducted by 60 Fraunhofer Institutes at over 40 different locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of around 22 000 who work with an annual research budget totaling 1,9 billion euros. Roughly two thirds of this sum is generated through contract research on behalf of industry and publicly funded research projects. Branches in the USA and Asia serve to promote international cooperation.

**For further information**

**Karin Loidl** | Phone +49 911 58061-9413 | [karin.loidl@iis.fraunhofer.de](mailto:karin.loidl@iis.fraunhofer.de) | Fraunhofer Institute for Integrated Circuits IIS | [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)