



## **North Rhine-Westphalia The Mobile Power of Germany**

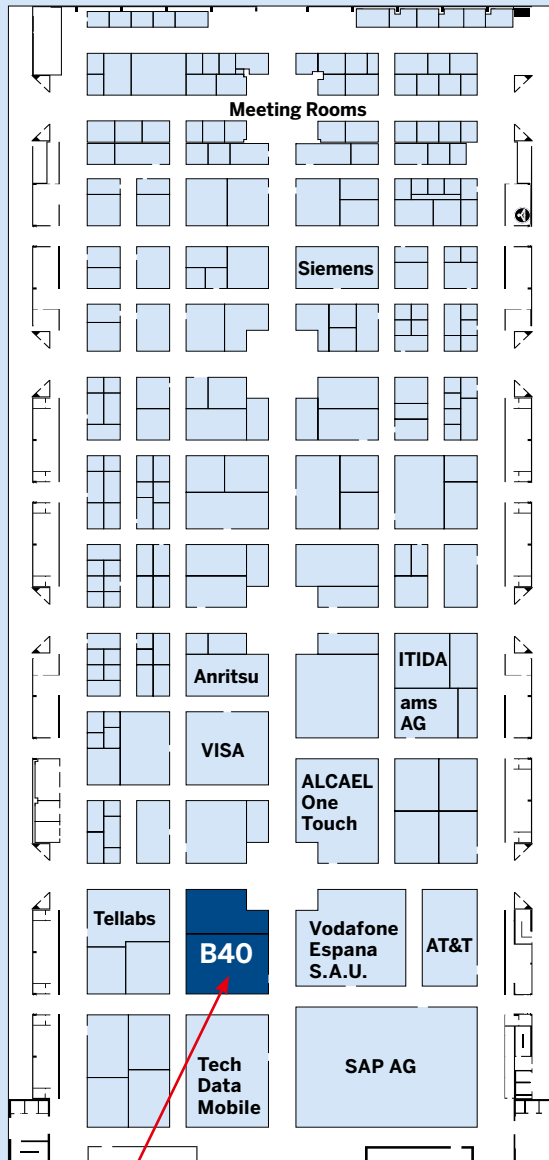
Barcelona, Spain  
February 24 – 27, 2014

Fira Gran Via  
Hall 6, booth B40

 made  
 in  
 Germany



# Mobile World Congress 2014 Floor Plan



NRW-Pavilion – The Mobile Power of Germany

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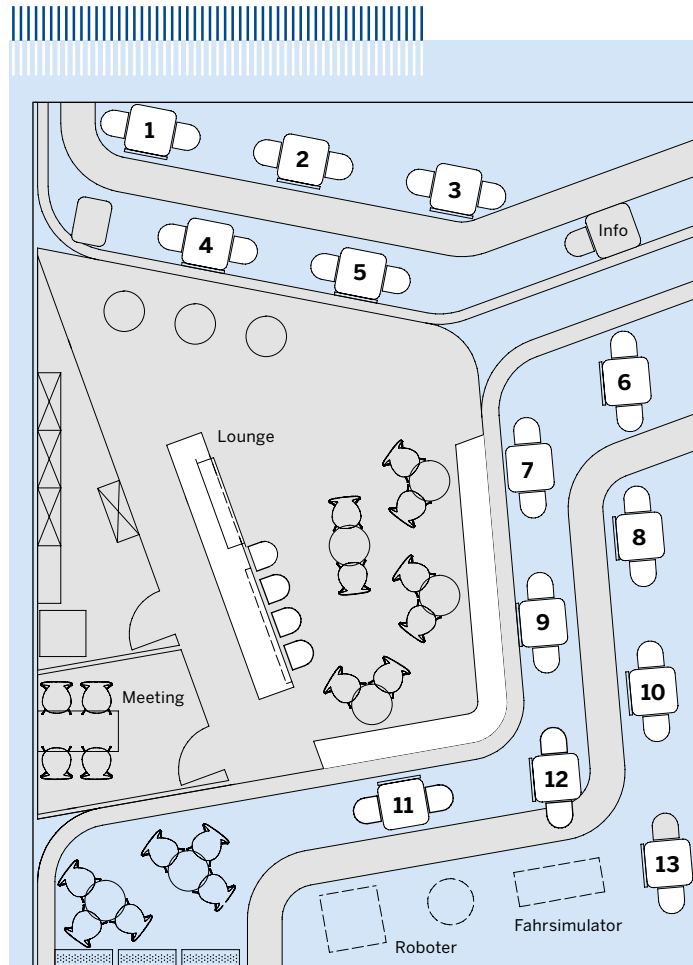
## Welcome to the Mobile World Congress

The Mobile World Congress (MWC), the leading event for mobile communications and business applications, will be held in Barcelona from 24 – 27 February 2014. Since being established in 1986, the MWC has evolved into the world's most important trade fair, conference and hub in the field of smartphones, mobile technologies in cars, homes, appliances, governments and utilities. Around 72,000 trade visitors from all around the world are expected to attend again this year. Nearly 1,700 exhibitors will showcase coming mobile trends and applications. Visitors will have the chance to discover new services and products specifically for their business models.

North Rhine-Westphalia is Germany's No. 1 mobile communications state. The country's three largest mobile communications companies are headquartered in our state and the sector accounts for around one third of the 140,000 jobs in the ICT industry in North Rhine-Westphalia. More than 40 % of all companies in Germany that operate in the mobile arena are based in North Rhine-Westphalia. This underscores that North Rhine-Westphalia is one of the top European addresses in the ICT and mobile sector.


The 14 companies at our stand in hall 6, B40 will present the great diversity the mobile communications state NRW can offer. The products range from mobile Internet solutions, security technologies, mobile infrastructure, and mobile health to content for app stores. We kindly invite you to visit our stand.

## Floor Plan of the North Rhine-Westphalian Pavilion



- |                               |                                  |
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| 1 brown-iposs GmbH            | 8 G Data Software AG             |
| 2 QUALIGON GmbH/avinotec GmbH | 9 meinestadt.de GmbH             |
| 3 N.A.T. GmbH                 | 10 zafaco GmbH                   |
| 4 P3 telehealthcare GmbH      | 11 RWTH Aachen University – UMIC |
| 5 @-yet GmbH                  | 12 Sirrix AG                     |
| 6 Secusmart GmbH              | 13 RWTH Aachen University – ICT  |
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| 7b Cumulocity GmbH            |                                  |

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@-yet optimizes IT benefits, reduces IT risks, secures values, IT and Risk Management, IT and Outsourcing, IT Resulting. @-yet aims at rendering IT-Processes and IT-Infrastructures

- transparently
- cost-efficient and risk-reduced
- manageable

**IT Risk Management:** Business Continuity, Business Security, Business Compliance, IT-Forensics, Defending against sabotage, corporate espionage and competition's curiosity, Security in the production, Awareness of employees and management, Emergency precautions

**Mobile Security:** Mobile Device Management, Mobile Device Security

**Outsourcing & Cloud Computing:** Potential analysis/ RfQ, SLA and contract design, Contractor selection, Transition

**IT Resulting etc.:** High-Availability, Security Architectures, Automatisations, Virtualisation, Disaster Recovery, Management concepts, ITIL/COBIT/Prince2

**@-yet Tools:** Risk-Assessment, Business Impact Analysis, Social Engineering, Onsite- und Offsite-Pentests, Infrastructure analysis, BSI/ISO2700x/PCI

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Live video streams from every location to anywhere. As a self-funded software company, avinotec focuses on networking, telecommunications and internet technologies. In addition to the development and realization of customized solutions, avinotec offers competent consulting and support services for system integration under operating conditions.

The main business area of avinotec is Mobile Video Streaming via internet and mobile networks. Traffic information, baby phone, tourism, sport events, ambient assisted living and more are fields of activities for live video transmission – from and to mobile locations.

avinotec's Mobile Video Platform is fully compliant with the latest 3GPP (3G/4G) mobile standards. Besides Apple HLS as well as Flash streaming is supported. The videos are streamed with real 15 frames per second at least on 2G networks – in detailed quality. For watching no additional software is needed as the built-in default player is used.

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brown-iposs is offering technical solutions for (radio) coverage in challenging environments. Wireless links for Industry 4.0 and M2M in storages and production plants, the Integrated Radio Masts for Outdoor- and City-WiFi, optimization and planning of LTE, UMTS, GSM, WLAN, and microwave networks and services (Connected Crowd, bips.infotain) for arenas, fairs, leisure parks are provided.

Automatic drive test analysis, crowd sourced performance evaluation, mass data analysis, and load and performance testing have been carried out in many projects since years.

Network and service providers are supported with integration and operations services for LAN/WAN-networks, IP-services, and for all kind of radio technologies with a very experienced and committed team. Our own RF planning software WiMAP-4G, scientific studies, measurement data processing, software evaluation and adaptation and trainings are completing brown-iposs' offer.

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City of  
Düsseldorf

A leading location in an international perspective, Düsseldorf is home to more than 1,500 companies from the information and communications technology sector. Such a concentration of companies, industry associations and institutions has made Düsseldorf into a unique ecosystem in the mobile sector on a world scale.

The Düsseldorf Office of Economic Development is the point of contact for all businesses wishing to locate to Düsseldorf from all levels of the mobile sector value chain – from global players and innovative SMEs to start-ups and young entrepreneurs.

What the Office of Economic Development does for its clients

- Assist foreign companies in setting up in Düsseldorf
- Advise companies on permits and authorizations
- Support entrepreneurs in establishing a business in Düsseldorf
- Procure industrial property and buildings
- Organize financial assistance for young companies
- Help local companies enter foreign markets

#### **City of Düsseldorf**

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Cumulocity is a leading provider of “Internet-of-Things” (IoT) cloud solutions. Our origins as part of Nokia Siemens Networks, the world’s mobile broadband specialist, gives us the experience of managing networks of millions of elements in a reliable, rapidly scalable and flexible manner. Cumulocity Software-as-a-Service offerings fundamentally reduce complexity and makes “Internet-of-Things” technology affordable to everyone. Cumulocity has set new industry standards and received innovation awards. Our open, application centric and free to try offering includes our comprehensive developer environment, IoT specific device management and applications in key verticals including retail, automotive, industrial Internet and real time tracking.

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The Bochum based G Data Software AG is an innovative and rapidly expanding software house that specialises in IT security solutions.

As a specialist in Internet security and pioneer in the field of virus protection, the company, founded in Bochum in 1985, developed the first antivirus program more than 27 years ago. Consequently G Data is one of the oldest security software companies in the world.

The product range comprises security solutions for end customers as well as medium to large-sized enterprises. With Inter Security for Android G Data offers smartphone and tablet users powerful protection against malware, intrusive apps, phishing attacks and the far-reaching consequences of the loss or theft of their device.

G Data security solutions are available all over the world. For more information about the company and G Data Security solutions, see [www.gdatasoftware.com](http://www.gdatasoftware.com)

#### **G Data Software AG**

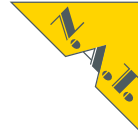
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meinestadt.de, with over 200 million page views per month, is the innovative, regional online service for each city in Germany. Based on our 10-year experience, we know and understand the needs of local and national businesses of all sizes. We offer access to advertising opportunities, more than nine million Unique users, one of the largest job markets in Germany and many cooperation opportunities. And not only via a browser – there are also apps for mobile devices: the meinestadt.de app, the job app, the training position app and the apps Plundr and Nur10.de. With over 3.6 million downloads overall, their popularity speaks for itself.

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#### **“Made in Germany”**

N.A.T. provides solutions for wired and mobile networks based on common hardware standards for i. e. the communication, defense & aerospace and test & measurement markets.

The portfolio includes turnkey and application-ready systems, high-performance network interfaces, protocol stacks, single/multicore network processors, intelligent switches and system controllers for communication applications requiring scalability and flexibility.

Covering all standard form factors N.A.T. has also been at the forefront of AdvancedTCA, MicroTCA and AMC technologies. Resulting from highly motivated engagement in these new technologies as well as profound expertise N.A.T. became one of today's leading edge suppliers for board and system level products based on AMC and MicroTCA.

N.A.T. will present rack mountable solutions for media gateways for NGN and legacy networks based on the open standard MicroTCA which provide extremely high bandwidths up to 30Gb/s. The turnkey systems incorporate multicore processing and DSP capabilities as well as multiport line interfaces, still leaving space for custom hardware and software extensions.

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P3 telehealthcare provides a highly innovative solution using sophisticated mobile telecommunication technologies for telemedicine in support of Emergency Medical Services (EMS).

The P3 solution is the result of seven years of research and development by interdisciplinary teams and utilizes P3's own core technology, which has been developed to ensure the highest possible reliability and ease-of-use as is necessary in such stressful environments.

To satisfy the need for high quality and fast response in EMS, we are able to deliver a complete and customized end-to-end solution, including establishment of the entire organizational process and technical system for emergency telemedicine.

#### **P3 telehealthcare GmbH**

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QUALIGON focuses on quality topics from the user's perspective in telecommunications. Express Quality is our vision. This comprises visualisation, expression and presentation together with up-to-datedness, speed and dynamism to enable our customers to achieve permanently the aspired quality level.

Based on our clients' needs we make use of different methods, e.g. Design and Implementation of Quality Concepts, Assessment and Analysis of Quality Data by Audits and Test Campaigns and Optimisation of identified Quality Issues.

Our services cover End to End Quality, Customer Experience, Service Benchmarking of mobile Operators, Professional Automation Services on MobileCloud™ using UFT, Realisation of product extensions for Perfecto Mobile e.g. management compliant Reporting Portals. Being a certified partner of Perfecto Mobile we are experienced in delivering trainings, professional services and hosting MobileClouds™.

We offer Testing and Probing on Smartphones, Reporting as a service with BusinessObjects™ and Roambi™, advanced indoor localisation services, Device Management with TeamViewer™ as well as SIM switching solutions.

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With the institutional strategy 2020, RWTH Aachen University addresses challenges of a fast changing world. One apparent change is the transition to a knowledge-based society. Wireless electronic media have simplified the access to information dramatically. This development creates opportunities, especially in the field of knowledge transfer and information processing. However, the balance privacy on one side and safety on the other side is an unsolved problem, particularly with mobile communication technology. Another global challenge is the transition to an aging society. Until 2050 the number of people over 65 years increases dramatically. In the same way, an individualization of the society will result in more single-person households. Information and communication technology (ICT) provides solutions such as e-health or ambient assisted living to enable the elderly to live independently at home.

All of these challenges can only be solved on an interdisciplinary level. Therefore, RWTH Aachen University established the interdisciplinary profile area ICT. It combines the competences of all faculties of RWTH Aachen with focus on ICT from Humanities to Computer Science and Engineering.

#### RWTH Aachen University – ICT

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UMIC is a research center established at RWTH Aachen University with focus on Universal Mobile Access to Information and Communication systems. UMIC research center collaborates closely with major players in the mobile communication industry and has a strong technology transfer track record. UMIC showcases following examples of its research output:

- The demo “A Scalable Collaborative Online System for City Reconstruction” presents a novel system for collaborative 3D city reconstruction that is based on online crowd-sourcing of the image acquisition.
- The demo “Dynamic Tiling Display” presents an interactive display surface built from an arbitrary number of mobile devices, which utilizes the integrated front facing camera of mobile devices to estimate the relative pose of multiple mobile screens arbitrarily placed on a table.
- The Chair of High Frequency Electronics demonstrates a highly efficient and linear transmitter frontend for both wireless infrastructure and mobile device applications, as well as a fully 3G/4G-compliant CMOS PA for user equipments.

#### RWTH Aachen University – UMIC

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The Secusmart company provides high security, anti-eavesdropping solutions for smartphones and conventional telephone systems. Based in Düsseldorf, Germany's top address in mobile communications, the security experts have targeted government ministries, federal agencies, SMBs and large DAX corporations with their user-friendly, totally secure solutions. The front-runner in the Secusmart product spectrum is SecuSUITE for BlackBerry 10, also known as the "Chancellor Phone". The BSI has given approval for the German VS-NfD classification (for official use only). This makes SecuSUITE for BlackBerry 10 the only secure voice and data transfer solution available in German government bodies. 12 of 13 government ministries telephone with the high security solution. More than 2,000 orders were placed in 2013, by federal agencies alone. Secusmart also offers encryption solutions for telephone conferences (SecuBRIDGE), desk telephones and switchboards.

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Sirrix AG is one of today's worldwide leaders in Trusted Computing and a European specialist in cryptography and information security. Sirrix focuses on enabling trustworthy solutions, combining highest security with simplicity of management.

Sirrix TURAYA™ security kernel technology protects mobile platforms against Advanced Persistent Threats (APT) and against conventional malware threats.

The product range includes solutions for securely accessing corporate data from mobile devices while separating company and private areas of smartphones ("BizTrust") as well as encrypted file access in the cloud ("PanBox").

Moreover Sirrix offers encryption apps for voice and messaging and secure voice gateways. Most of Sirrix products are NATO-SCIP compliant and have an approval for classified use.

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zafaco GmbH is your competent business partner, ready to support you in the implementation of challenging ITC projects through its central business areas Benchmarking, Business Service Management and Business Intelligence.

zafaco with its headquarters in Ismaning, Germany is the market leader for NGN tests including Highspeed Internet, VoIP, IP Television and Mobile Broadband Measurement. Conducting studies on the service quality of broadband and mobile access for the German Federal Network Agency and European Publishing Houses are also parts of our Portfolio.

zafaco works with a tried-and-tested network of specialized, professional partners with an extensive portfolio of successful projects.

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ICT.NRW is North Rhine-Westphalia's specialist ICT network. We link industry, research and politics to promote the development of the ICT market throughout the state. Our goal is to identify the industry's strengths, synergy potentials and promising developments at an early stage, and to actively support processes of innovation. We are also concerned to enhance public awareness of NRW as an ICT location.

Cluster Management ICT.NRW conducts cooperation and networking events, supports companies with trade fair appearances and business trips, and publishes regular reports on the industry and current trends. We are committed to open innovation: ideas and requests for cooperation are always welcome.

#### **ICT.NRW Cluster Management**

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### **NRW.International – Partner for worldwide business**

NRW.International is the organisation in charge of export promotion in the federal state of North Rhine-Westphalia.

NRW.International has been set up as a public private partnership between the federal government of North Rhine-Westphalia and the regional Chambers of Skilled Crafts, small and medium sized enterprises, the regional Chambers of Industry and Commerce and the development bank of North Rhine-Westphalia. It is responsible for the organisation of joint trade fair presentations abroad, the coordination and support of international trade delegations from North Rhine-Westphalia to foreign countries and the pooling and editing of foreign trade information relevant for companies from the region. NRW.International coordinates these activities between intermediary organizations and the government of North Rhine-Westphalia in order to provide excellent services and political backing by the regional representatives to the business community.

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The Bundesverband Digitale Wirtschaft (BVDW) e. V. (German Association for the Digital Economy) is the organisation that represents the interests of companies in the field of interactive marketing, digital content and interactive added value.

The BVDW has interdisciplinary roots, and therefore has an excellent overview of the issues facing the digital industry.

It has taken on the task of making the efficiency and the benefits of digital media transparent, thus promoting their use in the economy as a whole, in society, and in government.

The BVDW is engaged in continuous dialogue with politicians, the media and other interest groups, and supports the dynamic development of the sector in a results-oriented, practical and effective way.

The sum of all competences of the members, combined with the defined values and emotions of the association, form the basis for the self-comprehension of the BVDW.

We are the net.

#### **Bundesverband Digitale Wirtschaft (BVDW) e. V.**

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## Notes

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## Organisation/Sponsors

**A project of**



**Sponsored by**

Ministry of Economic Affairs,  
Energy and Industry  
of the State of North Rhine-Westphalia



**In cooperation with**

**Cluster IKT.NRW**



**Landeshauptstadt  
Düsseldorf**



Landeshauptstadt  
Düsseldorf

**Bundesverband  
Digitale Wirtschaft e. V.**



**Organised by**



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