

At the forefront of electronics and communications



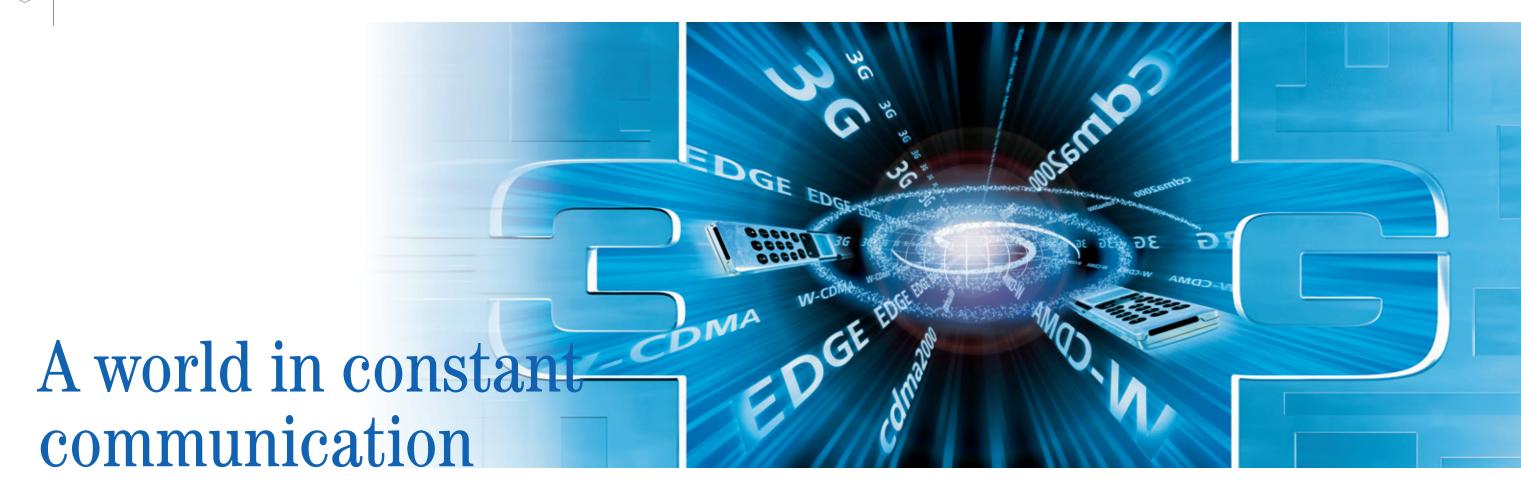
Our principles

Rohde & Schwarz is an independent manufacturer of electronic equipment and systems. Our name is synonymous with innovation, precision and quality. We hold a leading position on the European market and have a significant worldwide presence.

We maintain market share through continuous innovation, high-quality products, and a solid understanding of the market.

To meet our customers needs, we are constantly seeking ways to enhance our capabilities. In addition, we partner with numerous outside suppliers to augment our products and services.

We are also an environmentally aware company. We craft all our activities, processes and products to contribute to a safe and healthy environment.



With modern mobile radio technology, you stay connected anytime, anywhere. To keep the communications backbone running, powerful mobile radio networks are constantly being installed, expanded, and maintained. But the mobile phones themselves must also operate reliably. This requires complex measurements in development, conformance testing, production and service.

Rohde & Schwarz offers a wide range of instruments and systems specifically designed for mobile radio testing. Our products are unrivalled on the market. They support all international standards — analog and digital. Our customers cover the spectrum, from manufacturers of base stations and mobile phones to network operators and specialized dealers, and rely on our technology as they redefine the market. Our expertise also enables them to offer high quality at competitive prices.

For example, we provide test systems for developing and managing the quality of radio base stations, mobile phones and chips. In production, our systems reduce the time required for the extensive testing of mobile phones. Every second saved means lower production costs.

Our mobile radio testing products are known for speed and ease of use. This also holds true for all our other test equipment, ranging from convenient mobile phone testers for use in telephone shops to compact test systems for inspecting incoming and outgoing products. They make the testing of complex technology a straightforward task.

Even as new mobile radio standards are being developed, Rohde & Schwarz is at work designing the test equipment for mobile and base stations. We provide the know-how for tomorrow's challenges.



Conformance test systems from Rohde & Schwarz are ahead of the rest. They test mobile phones built to any standard around the world.



State-of-the-art mobile phones are complex, high-tech masterpieces that require sophisticated equipment and technologies during the development phase. Rohde & Schwarz provides the measurement solutions of choice.



Mobile radio test systems from Rohde&Schwarz are used in production to accelerate throughput and minimize costs.

EDGE Bluetooth

CDMA GSM CDMA2000

WCDMA HSDPA GPRS DVB-H

EMC – the secret to preventing interference

Interference from electronic equipment is not merely an annoyance – it can also lead to serious problems with other equipment. To prevent this from happening, equipment must always be tested for electromagnetic compatibility before it goes to market. This is the only way to ensure that your equipment does not cause other equipment to malfunction or fail, or vice versa.

EMC test equipment and systems from Rohde & Schwarz determine the cause and effect of electromagnetic interference, and they do so with precision and speed. They comply with all important standards and provide fully documented results.

Decades of experience and our wide range of products enable us to create even very large turnkey systems for interference testing. Our products can handle any device or unit under test, ranging from small appliances to large airliners. They also ensure maximum safety. Drawing on our years of expertise in this field, Rohde & Schwarz planned Europe's largest EMC test center and furnished it with measuring equipment from Rohde & Schwarz.

Many well-known companies in the automotive, electrical and mechanical engineering industries have long depended on EMC test equipment from Rohde & Schwarz. We support our customers every step of the way, even during R&D.

Our expertise has made us the world's market leader in EMC testing. We offer a full range of products for any requirement, as well as proven solutions for any problem.



Large units such as photocopiers also have to undergo EMC testing in anechoic chambers.

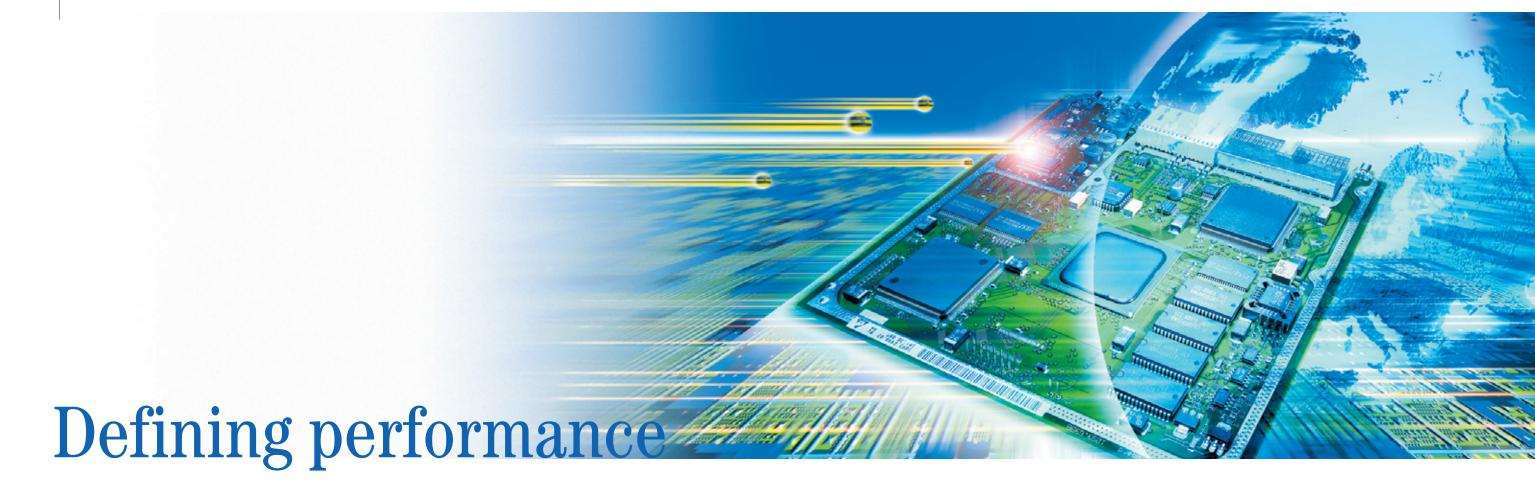


With special test receivers and spectrum analyzers running sophisticated software, EMI measurements can be automated to a great extent.



Whether you need a standalone instrument or a complete test chamber, Rohde & Schwarz has the right EMC measurement product for you.





You'll find test equipment from Rohde & Schwarz throughout the world. Anyone who needs to generate and measure electromagnetic signals comes to us. Our instruments offer utmost precision and measurement speed, and they are also easy to operate.

Specialists in development, production, research, calibration and service throughout the world rely on the accuracy of our instruments. We offer cost-effective solutions for any application, from instruments for service shops to complex test equipment for electronic labs — all from a single source.

Our signal generators are at home in both the digital and the analog worlds. They extend from DC well into the microwave range. When it comes to instrument sensitivity, our spectrum analyzers push the limits of what is physically possible.

The latest generation of power and SWR meters from Rohde & Schwarz also offers unprecedented accuracy and a wealth of functions.

Operators of mobile radio networks and broadcasting stations use our highly sensitive test receivers installed in mobile units for network planning and monitoring. Our audio test equipment enjoys an excellent reputation with producers of hi-fi equipment, car radios and telecommunications systems, in the studio and in research and education. Measuring instruments from Rohde & Schwarz represent state-of-the-art technology for analog or digital applications. You can also use them as standalones or in systems.

Our instruments set standards and open up new dimensions.



Ultra-compact and extremely easy to operate, our microwave signal generators are cutting-edge in performance and design.



Spectrum analyzers are indispensable in any RF lab. Our product families rank at the top of the market.



Whether used to measure electroacoustic characteristics of hearing aids or to perform complex measurements in the recording studio, our audio analyzers fulfill any professional requirement.

We set standards and open up new dimensions





Staying in contact under all circumstances and across any distance can be critical to survival. With radiocommunications systems from Rohde & Schwarz, you are always safe. Our systems have an excellent reputation worldwide. They are used in professional applications in stationary and mobile ground stations as well as on ships and in aircraft.

Rohde & Schwarz has turned shortwave into a reliable communications medium. You can use shortwave to easily transmit fax messages, video stills and large amounts of data to any location on earth. The content will remain jam-resistant and protected. Intelligent hardware and software provide fully automatic control of data volume and throughput, link setup and transmission link selection. In addition, our equipment is as easy to operate as a telephone.

Shortwave will remain in demand as an information transmission medium, since it provides global communications links without relying on existing infrastructure. It is suitable for mobile applications and fully meets the security requirements of users.

Our customers include embassies and national and international authorities. They use our intelligent, automatic radio equipment for low-cost and jam-resistant communications around the globe.

In particular, ground, naval and air forces need independent, mobile and secure communications equipment. Systems from Rohde & Schwarz are the answer. Their sturdy construction and ability to withstand extreme environmental conditions make them ideal for use in vehicles or on ships and in aircraft.

With Rohde & Schwarz, you stay connected.

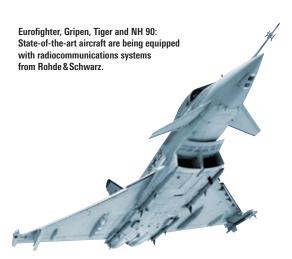


Effective information networks between all units and systems are crucial to military planning. Our shipborne radio systems and their powerful network management software show how it's done.



Software defined radios are the wave of the future. As a pioneer in this technology, Rohde & Schwarz can already provide all branches of the military with

You stay connected





During the critical phase prior to takeoff and landing, pilots and air traffic controllers must have effective communications and navigation systems. Rohde & Schwarz supplies reliable ground-to-air radio equipment optimized to meet these requirements. More than 70 countries equip their airports with our systems. Aeronautical radio and navigation equipment must operate under special and very extreme conditions. As a systems supplier, Rohde & Schwarz can meet these requirements. We offer complete solutions for ATC communications, from microphones to antennas. Our strength is our wide range of products, which we manufacture ourselves. We can flexibly combine our products into specific configurations matching customer requirements. We are one of the world's top three suppliers in this field. In Europe we are number one.

We are a globally recognized manufacturer of radio equipment for both civil and military aviation. We are also a leader in the field of jam-resistant transmission methods.

Trunked radio – the economical way to communicate

Demand for communications is steadily increasing. As a result, a limited number of radio frequencies must be shared among a rapidly growing number of users.

R&S BICK Mobilfunk GmbH, a leading supplier of professional trunked radio systems, provides solutions with ACCESSNET® has made us the market leader in Germany and a major contender on the world market. We have installed a large number of systems throughout the world for use by public network operators, local transport services, railway stations, airports and ministries of the interior.

R&S BICK Mobilfunk is your expert for professional mobile radio.





Equipment from Rohde & Schwarz forms the backbone of radiocommunications between tower and cockpit at numerous airports throughout the world.



We supply professional communications systems of any size – from corporate systems to nationwide networks – in accordance with MPT 1327 and TETRA standards

The United Arab Emirates commissioned Rohde & Schwarz as a prime contractor to install a nationwide, full-coverage mobile radio system with ACCESSNET®. The photo shows one of the many radio base stations.

Professional mobile radio



Music as true as in a concert hall, TV pictures as crisp and clear as in a studio, interactive video on your handheld device — this is the world of digital broadcasting. It is opening up new dimensions in multimedia communications. And Rohde & Schwarz has played a significant part right from the start.

Sound and TV broadcasting has been one of Rohde & Schwarz's key business fields for more than 50 years, making us well prepared for the challenges of tomorrow's digital world. We offer transmitters and measuring equipment for digital audio and digital video broadcasting. Our technology and know-how easily enable us to support you in this new multimedia world, whether you are an equipment developer and manufacturer or a public or private network operator.

Our wide range of sound and TV broadcasting transmitters is used throughout the world for both digital and analog applications.

We are the only supplier to offer a complete range of transmission, monitoring and measuring equipment for all modern broadcasting standards.

Our experts can advise you on all aspects of system and test engineering, and ensure optimum project handling, including during commissioning and normal operations.

We are your expert in digital and multimedia solutions.



Terrestrial digital television is gaining a foothold around the world. We offer developers and network operators a complete range of operational and measurement equipment that handles this new technology.



TV test and measurement equipment from Rohde & Schwarz is widely used in production because of its flexibility and speed.

Your expert in digital and multimedia solutions

Television and mobile radio are converging. Transmission methods optimized for mobile operation, such as DVB-H, bring video images to handheld devices. We provide the technology for developing and operating these new services.



Keeping track of signals in a crowded field

Radio traffic is subject to international regulations to ensure that police, broadcasters, air traffic control and radio hams do not cause mutual interference when on the air at the same time. Compliance with regulations is enforced by radiomonitoring, which is also useful in combatting organized crime.

Radio surveillance enables you to detect factors that jeopardize national security before they are beyond control. It is an important and effective means of maintaining peace.

Rohde & Schwarz helps police and other law enforcement authorities as well as military organizations perform this difficult task. We provide modern equipment and systems for radio surveillance, radiomonitoring and radiolocation. Our products range from single workstations to nationwide customized networks, and include antenna systems, mouse devices for operators, and any other equipment needed.

Our systems scan all frequency bands and generate occupancy patterns in a flash. This enables you to perform effective frequency management and ensures optimum utilization of the limited frequency spectrum.

Advanced digital direction finders from Rohde & Schwarz precisely locate any radio source in just fractions of a second. They

come in portable and stationary models, and you can use them in aircraft and on ships.

For decades, our specialists have been contributing members of international standardization bodies such as those of ITU. This enables us to devise solutions long before new regulations actually come into force. As a result, our systems always conform to current standards and regulations - to the benefit of our customers.

With Rohde & Schwarz, your signals will always be clear.



State-of-the-art digital direction finders precisely locate any signal source in just fractions of a second



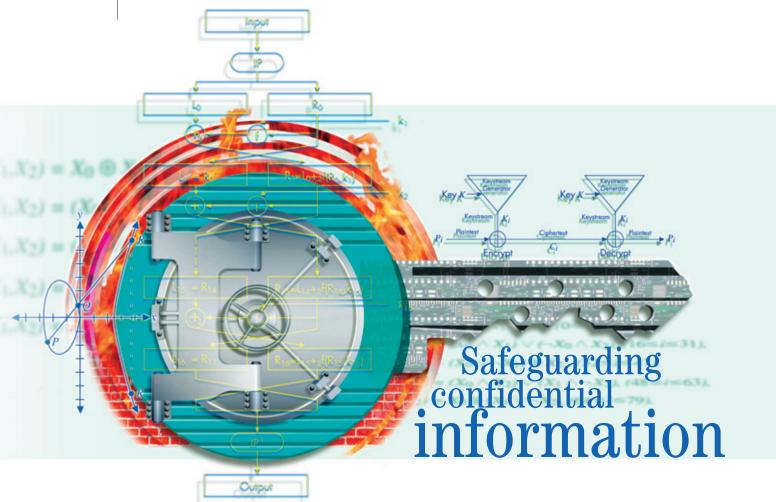
You can also locate interferers by using mobile units, for example when operating in the bands of mobile radio networks or other radio services.



We assist civil and military authorities surveillance by supplying antennas and receiving and analysis instruments that are combined to form intelligent and automatic full-coverage systems.

Nothing goes unnoticed





Today's technology makes it extremely easy to access information. Mobile radio, ISDN and the Internet are just some of the readily available means of communication. Furthermore, networked systems are taken for granted in the workplace. But there's a serious downside to this universal availability: Critical information can easily fall into the wrong hands.



When confidentiality is imperative, state-of-the-art crypto technology which handles even top secret information ensures that communications from government authorities and other organizations remain secure

Tapping digitally transmitted calls and data is fairly easy, and hacking is a constant threat. Your secret design can end up on your competitor's monitor without you ever knowing.

Industrial security is no longer just a matter of installing video cameras and electronic access barriers. A modern company must also be able to control information risks.

Rohde & Schwarz SIT GmbH specializes in the development of products for IT and communications security. Our solutions include company-specific security concepts. We prepare detailed risk analyses, develop IT security systems and offer hardware and software

crypto products for tasks such as encrypting modem links, signing and encrypting files, and protecting networks or hard drives.

We develop customized crypto modules and complete systems.

We enhance the quality of our products by using formal procedural models in development (V model, MIL-STD-498).

Our many years of expertise in cryptology makes us a valuable and reliable partner.

Your communications are safe with us.

Business fields and products



Test and measurement

- Mobile radio measurements
- EMC measurements
- General-purpose measurements
- Automatic test systems



Radiocommunications systems

- ATC systems and avionics
- Communications systems for army, navy and air force
- Trunked radio systems



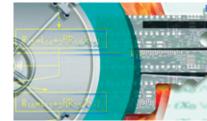
Broadcasting

- Sound and TV broadcast transmitters
- Operations and monitoring systems
- Video and broadcast measurements
- Datacasting



Radiomonitoring and radiolocation

- Frequency management and radiomonitoring systems
- COMINT systems
- · Special antennas and antenna systems
- Receivers, direction finders, signal analysis



Communications security

- Crypto products and systems
- Consulting and IT security analysis



Innovations shaping the future



Quality is our trademark

Rohde & Schwarz is a leading German electronics company and one of Europe's major suppliers of communications and T&M equipment. For 70 years, we have been developing, producing and marketing professional measurement and communications instruments and systems for the capital goods sector. Our driving objectives are high precision, top quality and extremely reliable products and service.

Global and local presence

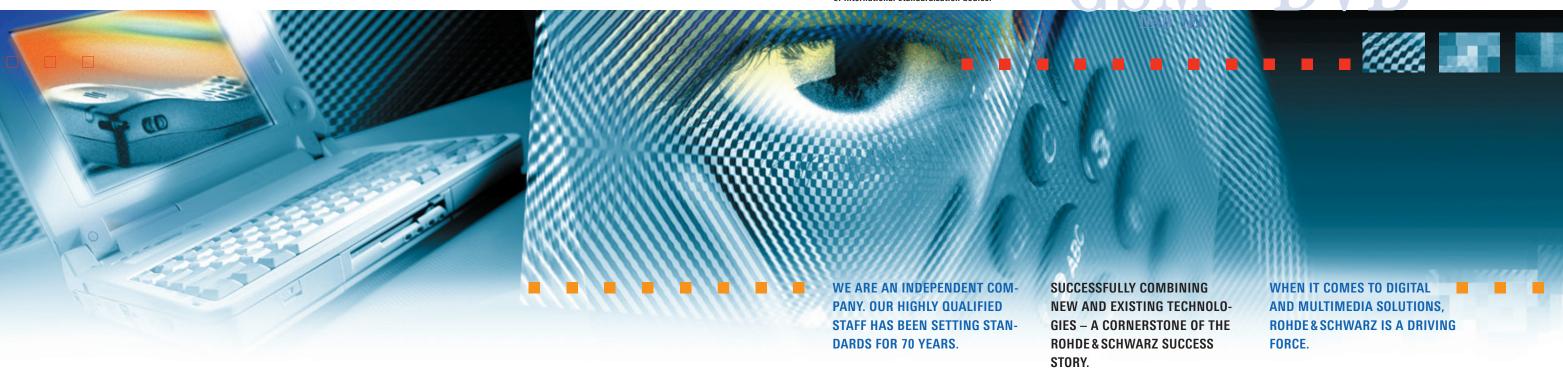
A key to our success is that we develop communications and measurement systems in partnership with our customers. We strive to thoroughly understand customer needs, and then devise profitable solutions. As an independent company, we maintain close contact with our customers through a network of over 70 representatives worldwide.

Innovative and skilled workforce

The name Rohde & Schwarz is synonymous with innovation, precision, reliability and quality. We expect the best, not only from our products but also from our workforce. We do everything possible to develop and promote the skills and abilities of our employees. Our success as a company is directly tied to the performance, motivation and creativity of everyone involved. This is our formula for customer satisfaction and for securing a leading position on the world market.

RTCA CTULETS LICAO CAE

Innovation sets new standards. Experts from Rohde & Schwarz are contributing members of international standardization bodies.



Looking beyond the horizon

Independent, powerful and innovative — that's the Rohde & Schwarz image. We develop our instruments and systems hand in hand with our customers. We always keep a close eye on the latest standards from international bodies, with our own experts serving as contributors. This approach has led to years of outstanding innovations from Rohde & Schwarz. We are proud to provide first-class products and solutions that set the trend.

When it comes to generating and measuring electronic data, leading companies throughout the world rely on technology from Rohde & Schwarz. For example, our comprehensive line of test and measurement products for analog and digital mobile radio is unrivalled worldwide. The same holds true for our transmission, monitoring and testing equipment for sound and TV broadcasting.

We are the only company in the world that is active in all sectors of radiocommunications. Rohde & Schwarz is the market leader in Europe in ATC communications. We are a major force in designing and implementing full-coverage radiomonitoring and frequency management systems.

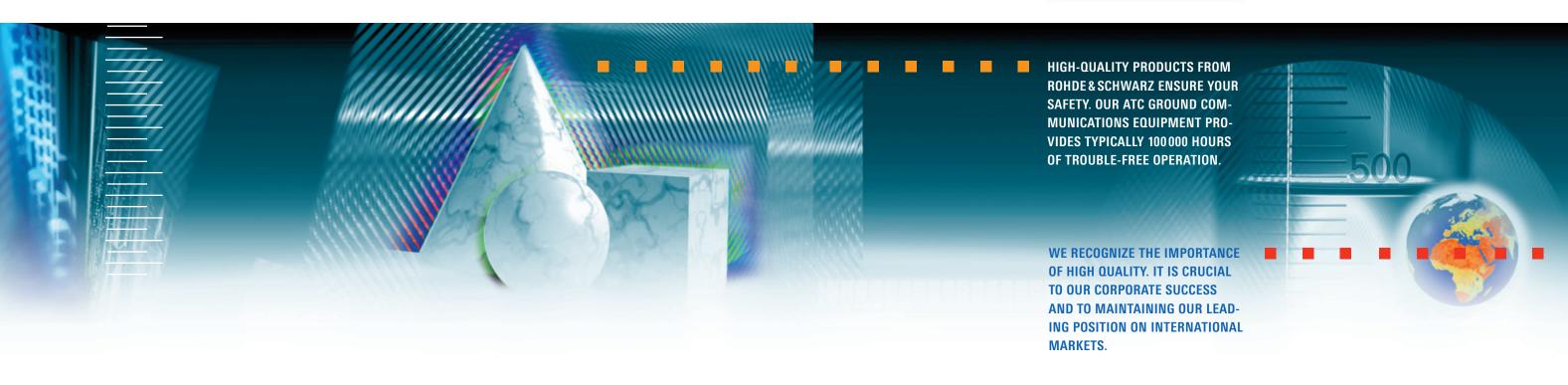
Our Cologne Plant is one of Europe's largest service centers for repairing, calibrating and providing maintenance for T&M and communications equipment. As an authorized center of the German Calibration Service, the Cologne Plant calibrates and services not only Rohde & Schwarz equipment, but also equipment from other manufacturers.

For decades, our specialists have been contributing members of all major international standardization bodies, and it shows. Hardware and software from Rohde & Schwarz conform to all important standards, and are also easy to use and cost-effective. For our customers, this means top-of-the-line, future-proof products — all from a single source.

We can do it



The Rohde & Schwarz quality and environmental management system is certified to DIN EN ISO 9001 and 14001.



Your requirements are our objective

Rohde & Schwarz products and services are designed first and foremost to ensure lasting customer satisfaction. Our principal objective is to meet the demanding requirements of our customers. Our instruments and systems offer dependable quality and availability under even the toughest operating conditions. They are professional capital investment goods for use in all commercial sectors, and by civil and military authorities and organizations at both the national and international level.

Rohde & Schwarz is officially approved to develop, produce and maintain aviation communications systems. We are the first German manufacturer of transmitters authorized to perform conformance testing on radio transmitter systems.

Modern T&M and communications instruments and systems are extremely sophisticated high-tech products. Most important, they are critical to air traffic safety and rescue services.

To ensure the highest of quality, Rohde & Schwarz develops, produces and installs the components for its systems in-house. We do most of our work in Germany and practice state-of-the-art quality management.

For us, quality management means not only developing and producing high-quality products, but also establishing and maintaining a culture of quality based on the concept of total quality management. We apply this principle to all our products and services as well as to our business activities.

Our data sheets, performance specifications, and the contents of our advertising are correct and binding. Furthermore, we stay in contact with you long past the day of

delivery. We seek and cultivate a long-term relationship. When you buy a product from Rohde & Schwarz, the package includes high-quality service.

Reliability, trustworthiness, continuity – the pillars of our business.



OWING TO OUR GLOBAL PRES-ENCE AND MARKET STRENGTH, YOU CAN ALWAYS FIND US NEARBY.



Just turn the key – we'll do the rest

A product from Rohde & Schwarz is the beginning of a long-lasting partnership. With decades of experience and a full range of products, Rohde & Schwarz can provide you with full support, from single units during the initial planning stage to full-fledged turnkey systems. We train your staff, generate your documentation and provide reliable maintenance — worldwide. The name Rohde & Schwarz is synonymous with complete, expert service and support.

Good systems are far more than just the sum of their parts. Components must be able to interact intelligently to ensure high performance and to meet productivity targets.

We devise customized solutions by working with you hand in hand. Our instruments are standardized and modular. You can easily and economically integrate them into existing systems, or combine them to create entirely new system applications.

Or you can simply choose a complete, turnkey system – for example, an electromagnetic compatibility (EMC) system. We offer a full range of EMC measurement equipment. In addition, we can install complete large systems such as turnkey test chambers for cars and jets.

EQUIPMENT DEVELOPED

AND PRODUCED BY

The same holds true for sound and TV broadcasting. Our installation teams get the job done on schedule and expertly calibrate, adjust and commission transmitter systems. Alternatively, we can train your local partners to do the job.

If you need to install complete trunked radio networks, we're ready to support you right from the planning stage. We can also handle any construction work that may be required on masts, shelters and buildings.

And of course we can supply you with the special hardware and software you need. We are the leader in designing and implementing full-coverage systems for monitoring, locating and analyzing radiocommunications signals.

We put you in control of all your operations.



ready to answer your questions

To learn more, just contact any of our locations

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See **www.rohde-schwarz.com** for the address of your nearest Rohde & Schwarz representative.

Rohde & Schwarz:

Pushing Limits







For decades, the name Rohde & Schwarz has been synonymous with a pioneering spirit and exceptional quality in all areas of wireless communications. Courage and speed in converting ideas into cutting-edge products are essential to extraordinary achievements — and virtues that we at Rohde & Schwarz have always embraced. We develop and produce instruments, design systems and define projects as part of our aspiration to create state-of-the-art technology that offers maximum benefit for the user. Our broad portfolio of products offers the best possible selection for any application, and our worldwide services complement these products to form a comprehensive solution. Customer satisfaction is our constant standard, and our ambition is to be the best in our field. That is the measure of our success.

Michael Vohrer

Chairman of Executive Board

M. Colines

Manfred Fleischmann

Member of Executive Board

M. Kurlincenn

Christian Leicher

Member of Executive Board