



Innovative Measurement and Communications Systems as Turnkey Solutions

Start-to-finish project planning and
installation service from R&S Systems GmbH



ROHDE & SCHWARZ



Do you have complex
measurement and communications projects?

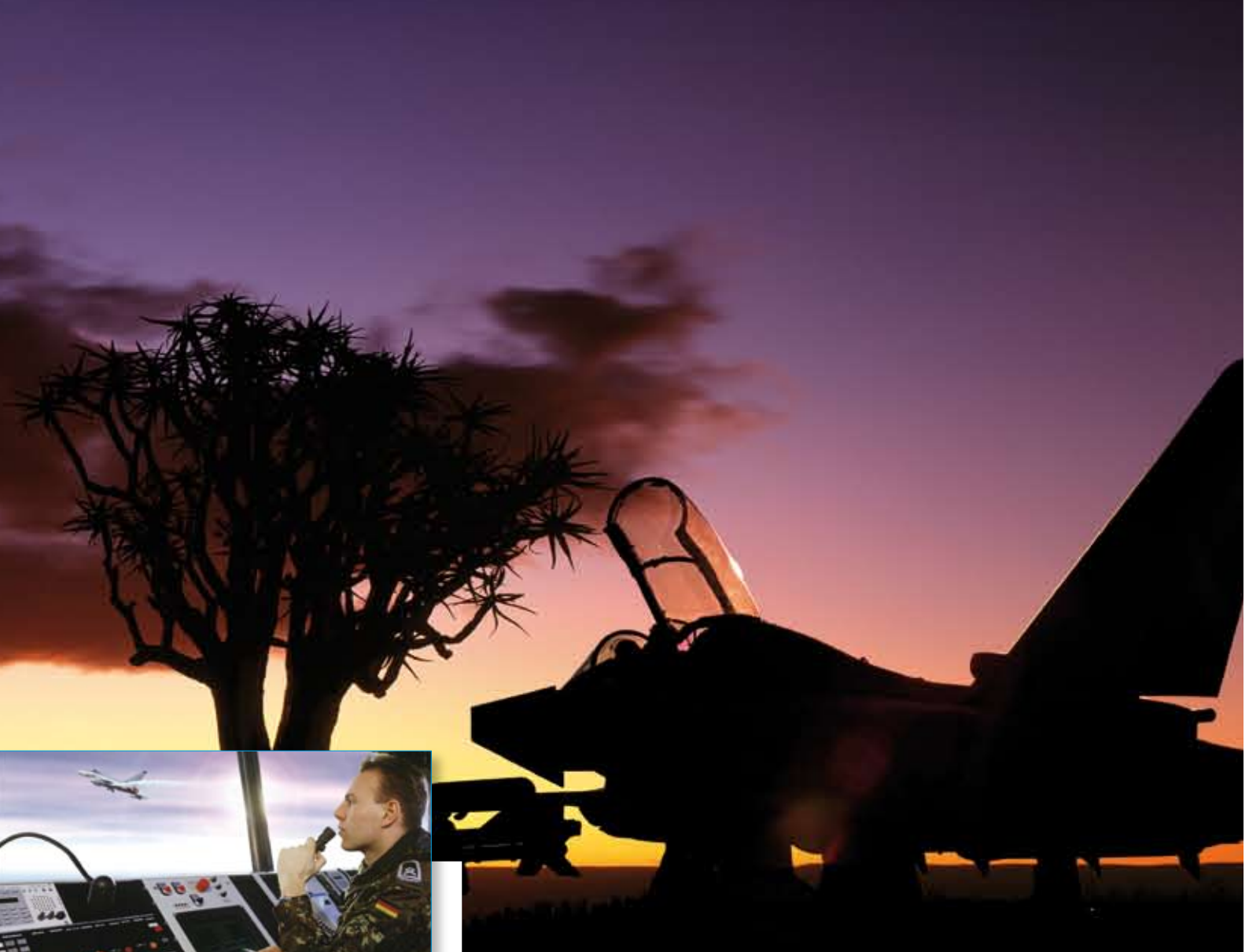
We specialize in them.

Do you need customized high-tech solutions that function smoothly even under the most difficult conditions? Solutions that maintain their precision even when the environment contains strong interference factors or when

a moving vehicle is used, perhaps even on rough gravel surfaces and under extreme environmental conditions?

Then R&S Systems GmbH is the ideal partner for you.





We handle complicated jobs – especially when the success of an investment hinges on customized all-in-one solutions, intricate system integration or complex installation. Our core services include the following:

- ◆ Measurement system services
- ◆ Communications system services

- ◆ Installation in shelters, vehicles or production environments
- ◆ Building of complete structural facilities
- ◆ Turnkey electronics workshops

To accomplish these tasks, we maintain an abundant pool of first-rate resources in Cologne. We can develop, plan and

implement complete customized system solutions on a turnkey basis. As a 100% Rohde & Schwarz subsidiary, we work closely with our parent company. We have direct access to development departments, software specialists and the company's tight, worldwide service network – ideal when highly sensitive and challenging projects are involved.



Do you need expert support
in developing, integrating and installing your systems?

When you turn to us,
you receive everything from a single source.



State-of-the-art measurement and communications systems are often characterized by exceptional complexity and a demanding application environment. Therefore, day-to-day high-tech operations not only call for brilliance in development – expert integration and implementation skills are also necessary.

Solutions that work

R&S Systems GmbH is always there when pioneering solutions are called for. We make turnkey test systems for complex automotive electronics, install highly

sensitive air traffic control systems in mobile towers and provide fully equipped vehicles for measuring broadcasting transmitters right where needed. We design and manufacture systems, develop components as required, integrate existing parts, and install everything together in mobile or stationary environments. No matter whether you need a solution for use in a vehicle, in the air or on the assembly line, we can handle the challenge.





The proportion of electronics in automobile production is constantly growing, thus increasing the need for comprehensive function tests in production. R&S Systems GmbH designs and installs the required measurement equipment in close cooperation with the manufacturers.

Unique resource pool

We are able to provide such a high level of performance because we have such an exceptional pool of resources to draw from. That starts with our know-how. We have specialists in the latest radiocommunications technology, broadcasting experts, experienced test and measurement engineers, and installation professionals who know all the tricks. All of them work here on site, plus we call on specialists at our parent company, Rohde & Schwarz. That enables us to offer all project-planning,

development and integration services from a single source. Installation and setup are performed directly at the customer's site if necessary. For example, we have set up stationary and mobile air traffic control centers in many countries. Plus, we have designed and produced turnkey infotainment test systems on short notice at various renowned automobile manufacturers and placed the systems into operation at production sites around the world.

High level of customization

Almost every job entrusted to us carries exceptional requirements. But that's business as usual for us – take our many years of service for aerospace customers, for example. Our engineers implement every solution with the special circumstances of the individual job in mind. This begins during the initial phase of a project. We provide support in planning and finding solutions – and work with you to define the project so that it fully meets all of your technical and business requirements. Great emphasis is





Precision at both a detailed and high level – our high standards are applied in component assembly as well as in the installation of large-scale systems such as an EMC chamber.

placed on efficiency during the implementation phase as well: For example, is it necessary to procure new components or can existing ones simply be retrofitted? What needs to be developed from the ground up and applied as a dedicated solution, and what can be accomplished by using off-the-shelf products? No matter which route you take, you will find the most efficient solution possible for your task. And to ensure that this is also achieved in day-to-day operations, our portfolio includes in-depth training for system users.

Specialists for difficult operating conditions

The final, often decisive step for the success of a high-tech investment is its physical integration on site. The harshest of conditions may occur there – the freezing temperatures at a flight altitude of 10 000 meters or the damp heat of the jungle, the radiation-intensive environment of a production facility or the tight cargo space of a special transporter. The integration of complex systems into shelters, vehicles or production facilities is one of our areas of expertise:

We can handle every aspect of the job, including developing and implementing carrier systems. Plus, we can fulfill all related requirements such as shielding, power supply, air-conditioning or shock absorption. We can also build complex structural facilities such as complete EMC chambers or air traffic control towers.

Assistance in self-maintenance

Even after R&S Systems GmbH has placed a system into operation and handed it over, we continue to offer and provide support. One of our services is to supply turnkey electronics workshops – with everything required, from A to Z. By doing so, we make our customers self-reliant when it comes to maintenance and repair, and we thus cover every step of the process starting at the

technological solution and continuing through integration and operation. The major advantage for you is that you receive all required services from a single source. You also benefit from our close cooperation with our parent company.

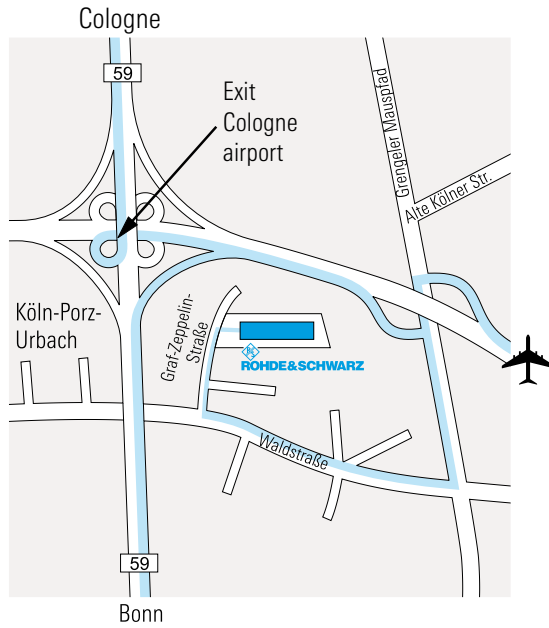
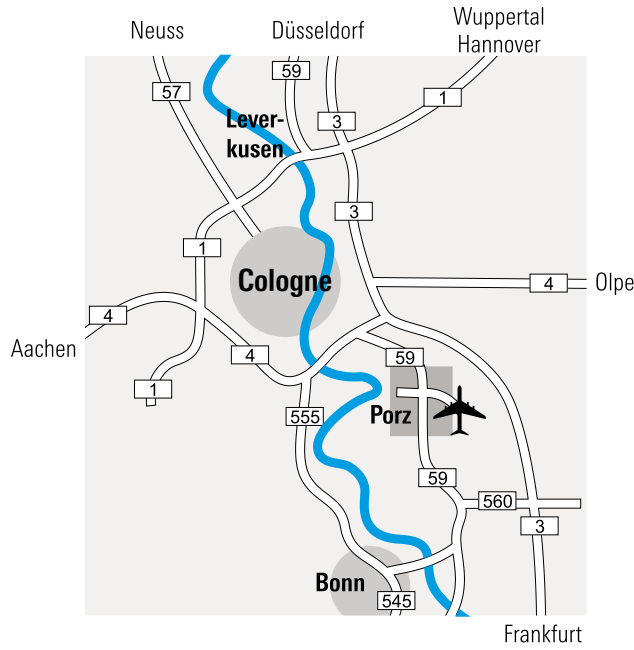
The decision is easy – the most efficient and economical way to complete complex tasks in the area of measurement and communications is to let R&S Systems GmbH do the job.



The installation of complex systems in vehicles and shelters is one of the services that R&S Systems GmbH specializes in.



Map to R&S Systems GmbH



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