

MEDIA **BROADCAST**



Developing and Testing 5G Applications Together

| 5G STANDALONE CAMPUS NETWORK

Extensively Testing and Test-Driving 5G

What are the advantages of a 5G campus network over alternative technologies? How can the transition be implemented as efficiently as possible for the company? What prerequisites must be in place in order to switch production to a local 5G network? No company wants to use untested 5G solutions amid the hectic pace of everyday production.

Support by 5G experts is extremely important here, since new technology often meets with a very high inhibition threshold. Given their short latencies, superior quality, gigabit speeds and security, 5G campus networks are the perfect connectivity solution for industry and media production.

That is precisely why Media Broadcast has set up a private 5G standalone campus network near Berlin to develop and test model 5G applications. Its centerpiece is the compact and mobile Media Broadcast 5G Blue Box, which was developed especially for this purpose.



5G Campus Network: Joint Benefit

The 5G standalone campus network in Nauen provides the opportunity to share, examine and test 5G experiences. Media Broadcast has assembled a 5G engineering team specifically to plan, set up and operate 5G campus networks.



Developing Joint Use Cases

- › Developing and testing use cases for the media sector and the industry
- › Expanding wireless technology to new applications due to greater bandwidth availability at the same time as less delay
- › Standardization of wireless communication for cameras, microphones and for control

Frequency Spectrum and Network Capacity

- › Protection of applications by your own frequency spectrum from 3.7 GHz to 3.8 GHz. Sole access to entire bandwidth
- › Individual use of full spectrum capacity

Infrastructure and Security

- › Planning, structuring and operation of indoor and outdoor networks in-house – all from a single source
- › Technical infrastructure all the way to the application level
- › Individual network design customized to your own requirements
- › Data sovereignty and security as well as minimized downtimes

Plan, Build, Run with an Independent Solution by Media Broadcast



5G Blue Box: Control Center & Centerpiece

The 5G Blue Box powered by Media Broadcast is independent, fast and secure. It contains a complete 5G network, including both the 5G standalone core components and the control units for the RAN (Radio Access Network) and thus forms the control center of the 5G standalone campus network. Easy to transport and featuring an innovative rack design, the 5G Blue Box combined with a 5G antenna can be used to set up a private 5G campus network in a licensed frequency range almost anywhere. We can produce the 5G Blue Box customized specifically for you. Alternatively, it is always available as a rental option with a complete 5G core network.



Explore the 5G Blue Box virtually with Augmented Reality!
media-broadcast.com/5g-blue-box/en/



- › **High bandwidth**
No bandwidth load due to external impact
- › **Highest security level**
Private industrial frequency on your own premises
- › **Provider-independent**
Application area everywhere there is a proprietary frequency spectrum from 3.7 GHz to 3.8 GHz
- › **Mobile feasibility anywhere**
Small and compact, comes packed in a flight case 80 x 120 x 100 cm (W x H x D)

Rent now
for your
use case!

Discover the 5G World with an Innovative Partner

Media Broadcast has extensive expertise in all areas of frequency technology. Our teams all across Germany are made up of experienced technicians, frequency planners, engineers and communications electricians. You can benefit from short response times in the event of disruptions and ongoing availability, even during peak times.

We are actively involved in the 5G Media Initiative and 5G MEDIA ACTION Group and also work with other leading committees. Due to our close relationship with the German Federal Network Agency [Bundesnetzagentur] as well as all network operators and systems technology manufacturers, we are surrounded by a collaborative network that enables us to jointly exploit the full potential of 5G.



Our services

- › Building your own 5G Blue Box
- › Establishing and operating your individually designed campus network
- › Frequency management (frequency planning, frequency application via the Federal Network Agency)
- › Network planning and network design
- › 24/7 support by NOC (Network Operations Center)
- › Service, maintenance and troubleshooting by Media Broadcast's own network experts
- › SLA (Service Level Agreement) and TTR (Time To Repair) individually customized to your needs

Join Us as we Head into the 5G Future

GET IN TOUCH
WITH US!

Would you like to find out more or
develop use cases with us?

media-broadcast.com/5g-proof-of-concept/en/



Media Broadcast is part of the freenet Group and, as Germany's largest nationwide service provider for the broadcasting and media industry, is your partner for digitalization. The company plans, sets up and operates multimedia transmission platforms for TV and radio based on modern transmitter, cable and satellite networks. Media Broadcast is the market leader in DAB+ and DVB-T2 HD and markets the freenet TV platform. Among its other activities it has a shareholding in Antenne Deutschland, the DAB+ platform operator. The platform provider audio.digital NRW is a 100% subsidiary of Media Broadcast. The company also connects broadcasters with its high-availability fiber-optic network and undertakes productions and broadcasts of live events for TV stations and companies. Since the end of 2020, Media Broadcast has been operating its own 5G standalone campus network where it is joining forces with customers and partners to develop innovative 5G applications for the media sector and other industries. The company is based in Cologne. Several hundred service employees are deployed nationwide.

Media Broadcast GmbH

Erna-Scheffler-Strasse 1
51103 Cologne
Germany

Find more information at

PHONE +49 (0) 221 7101 5000
EMAIL info@media-broadcast.com