



26th USERgroup 2022

General Information

Editorial

Dear users and customers,

This year's 26th **USERgroup Conference** is a very special one. "Special", because the Conference takes place virtually for the 3rd time in a row and – as it is well known – all good things come in threes. "Special" also, because we got a record number of registrations for the event, again. Nevertheless, we are hoping, that it will be the last time it has to be solely virtually. But most importantly "Special", because it's the **USERgroup** that takes place in the 30th anniversary year of LS telcom.

In January 1992, Dr. Manfred Lebherz and Dr. Georg Schöne founded the company "L&S Hochfrequenztechnik" which is today known as "LS telcom". 30 years and many valuable experiences, successes, downs and ups later, LS telcom has grown into a true one-stop shop for telecom regulators as well as public and private network operators. With 15 subsidiaries around the globe, we work side-by-side with our clients from the development of their vision to the implementation of the solution and beyond.

It is therefore hardly surprising that this year's **USERgroup Conference** not only shines with the accumulated knowledge of the last 30 years, but also focuses on the future and what there is to expect.

What is new?

Business and Planning Solutions:

mySPECTRA is really dominating our development activities, as it finally spans over all areas of our tooling. Both family members, the mySPECTRAcloud as well as mySPECTRAevo have done big leaps during the past 12 months in functionality, usability and customer count.

SPECTRAemc is as well under a massive rework as we are building it up in a service orientated manner, allowing to use it in full or component-wise within mySPECTRA or as stand-alone web tools. Though it will take another 12-18 months to have a first release in our hands, there are already loads of tasks completed.

The CHIRplus_BC and CHIRplus_TC tools have as well been improved to consider more 5G requirements and needs from vertical markets.

Monitoring:

OBSERVER CMS and the related hardware components are under a massive improvement campaign. The developed Artificial Intelligence (AI) components for DF improvements and signal identification as well as the smart AVD are being integrated and partially already available. Also the number of third party hardware vendors supported by our

OBSERVER CMS platform has grown again. As a new OBSERVER family member, we have introduced the rack mountable solution OBSERVER OSMU (Object Supply Monitoring Unit) allowing instant monitoring, supervision and alarming for high availability communication systems.

Consulting/Engineering & Verticals:

Clear focus was for sure 5G, but also IoT and the ongoing digitization that dominated the year.

Our specialized consultants and network planner again dealt with several important questions and tasks related to secure and reliable radio communication and the efficient use of the radio spectrum. The focus was on 5G strategies for critical radio and private campus networks, on radio inventory measurements as well as on extensive planning and project management tasks for public security, railways, public transport, and other vertical markets. The LS spectrum consultants also handled many studies and projects relating to international frequency coordination, coexistence analysis, licensing as well as spectrum studies for various radio services and frequency bands.

What are the major projects?

The last year was a busy and fruitful one with many new projects coming in. Besides the many project-related work, LS telcom has invested about 7 Mio Euro in R&D which documents our strong commitment to you as our customers and to the products we are offering.

Some projects which amongst many others kept us entirely working:

- Spectrum Management: Ofcom/UK, SDPPI/Indonesia, Defense System/Australia, BNetzA/Germany, EETT/Greece, CRA/Qatar, INACOM/Angola
- Monitoring: Defense System/Indonesia, INACOM/Angola, Ministry of Communication/Turkmenistan
- Consulting: University Hospital Aachen/ Germany, Department of Electronic Communications (DEC)/Cyprus, CITC/Saudi Arabia, European Space Agency (ESA)/France, German Railways/Germany

We hope you also will enjoy this year's **USERgroup Conference** and that it will, as in the past, provide you with lots of valuable information supporting you in your daily work.

Roland Götz & Georg Schöne

AGENDA for the 26th USERgroup / 3rd Digital USERgroup Conference

	Broadcast Planning & Coordination	Fixed Services & Net Planning	Frequency Assignment, Clearance and Coordination for Regulators	Internet and Intranet based License and Application Processing	Integrated Monitoring Solutions
Speaker	CHIRplus_BC Dr. Dietmar Löffler Dr. Eberhardt Heidrich	CHIRplus_TC Alexander Belov Hermann Lebfromm	SPECTRAemc Christian Walter Javier López Carrasco	SPECTRAplus SPECTRAweb mySPECTRA Christian Walter Dr. Marco Börger Markus Henrich	LS OBSERVER MONITORplus Philipp Abel Volker Brummel
	Wed, Nov 9, 2022 12:00 pm – 3:30 pm (UTC+1)	Thu, Nov 10, 2022 12:00 pm – 3:30 pm (UTC+1)	Tue, Nov 15, 2022 12:00 pm – 3:30 pm (UTC+1)	Wed, Nov 16, 2022 12:00 pm – 3:30 pm (UTC+1)	Thu, Nov 17, 2022 12:00 pm – 3:30 pm (UTC+1)
90 min	Welcome to the 26 th USERgroup Conference Presentation of new features Road map and future developments	Welcome to the 26 th USERgroup Conference Presentation of new features Road map and future developments	Welcome to the 26 th USERgroup Conference Presentation of new features Road map and future developments	Welcome to the 26 th USERgroup Conference Presentation of new features Road map and future developments	Welcome to the 26 th USERgroup Conference Presentation of new features Road map and future developments
15 min	Break	Break	Break	Break	Break
90 min	Review of USERgroup topics 2021 Open USERgroup discussion Conclusion	Review of USERgroup topics 2021 Open USERgroup discussion Conclusion	Review of USERgroup topics 2021 Open USERgroup discussion Conclusion	Review of USERgroup topics 2021 Open USERgroup discussion Conclusion	Review of USERgroup topics 2021 Open USERgroup discussion Conclusion

Please note, the indicated times are UTC+1. [Check your time zone.](#)

subject to changes





Code of Conduct



Time boxing

We start on time: Open the Microsoft Teams Link before the session starts



Preparation is everything

Technology (microphone + speakers) check before the meeting



It's all about sound quality

Use headphones to switch off half noise, in case of bad connection videos off



Raise your hand

If you want to contribute to the discussion show it by clicking on the colored hand symbol in Microsoft Teams' function bar



Log in

Click on the Microsoft Teams link to join the meeting. If you are asked to log in with user information, please enter the following: surname, name - your company name



Be polite

Let each other finish



Distractions

Switch off distractions during the session



Microsoft Teams link

Forwarding or duplicating the Microsoft Teams link is strictly prohibited



No recording

Please observe that any image, audio and/or video recording of our web-seminars is strictly prohibited



All devices are muted

To reduce noise



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We provide software, IT systems, hardware, planning services & consultancy for optimal spectrum use

Customers in over 100 countries across all continents trust in us. They cooperate with us to achieve highest efficiency in spectrum management, regulation and use.



Spectrum Policy, Licensing & Management

We support you in optimizing the use of the RF spectrum, allocate frequencies efficiently, avoid or solve interferences and optimize license processing and fee collection.



Spectrum Monitoring

Spectrum regulators and operators alike need to permanently monitor the entire radio spectrum in order to detect and locate possible interference and thus ensure a clean and safe radio environment.



Critical Radio Communications & Private Networks

We are your competent partner for critical communications and private wireless networks. You can rely on our know-how and expertise during the complete network lifecycle from an initial feasibility study until commissioning of your radio network.



Radio Network Planning

Our portfolio consists of strategy and technology consulting, system design, radio planning, engineering services, software solutions and hardware systems to plan, implement and optimize radio communication networks.



Airborne Measurements

Airborne RF measurements provide several benefits such as increased coverage and SNR as well as cost efficient transmitter, fixed link or ILS inspections. Together with our 100% subsidiary Colibrex we have developed a unique portfolio of drone-based applications including antenna measurements, spectrum monitoring, direction finding, etc.



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