

Reach new heights with next level telecoms training



 **empirical**

Innovating skills training for over two decades

Empirical clients span the entire telecoms ecosystem, from mobile service providers to equipment vendors and government agencies.

Our clients choose us not only for our ability to create quality content, but for our innovative approach to training delivery and methodology.

Whether it's designing a custom learning package, branded academy, or suite of microlearning to integrate seamlessly into your team's daily workflows, we can create a solution that's right for you.

Clients we've worked with include:

T-Mobile™ V.I.A.V.I. Vodafone

ERICSSON



CISCO



Over 100 technology courses and counting!

Our catalogue includes a wide range of topics covering a spectrum of technical levels —with each course carefully broken down into interactive learning modules and courseware.

Looking for 5G training? Look no further...

We work closely with professional bodies across the telecoms sphere to develop our course content in line with industry standards. Our catalogue includes courses exploring the most cutting-edge 5G and next-generation technology topics.

And with new courses added regularly, keeping up with new technologies couldn't be easier!

5G


4G

Legacy

Multi

Associated


Popular 5G Courses



Introduction to 5G

This course offers a high level synopsis of 5G, encompassing key aspects such as driving factors, deployment methods, architecture, operation and use cases.


3 hrs Beginner



Introduction to 5G and Cloud Computing

Exploring the close relationship between 5G and cloud technologies, including the cloud-native 5G core, Cloud RAN, MEC and Network Slicing.

3 hrs Beginner



5G System Engineering

This course examines the end to end 5G Architecture, SBA, Registration, 5G AKA, PDU Sessions, Mobility and Interworking.

12 hrs Intermediate



5G Security

Including security roles in the 5G System, 5G AKA analysis with API flows and SBI security using OAuth 2.0.

6 hrs Intermediate



5G Network Slicing

Exploring key aspects such as driving factors, NESTs, architectural requirements, slice definition, orchestration, slice utilization and security.

4 hrs Intermediate



Private 5G Networks

This course offers a high level synopsis of 5G, encompassing key aspects such as driving factors, deployment methods, architecture, operation and use cases.

3 hrs Intermediate

Discover the benefits of live onsite training

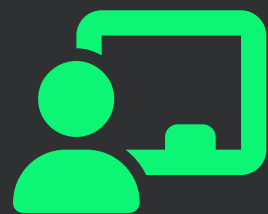
This traditional approach delivers technical training in a classroom environment at your place of work.

Suited to classes of approximately 12 people, our instructors will use your network analysis and service assurance tools to reinforce technical concepts and aid applied learning.

The most interactive form of training, students have the opportunity to ask questions throughout the session, ensuring optimal engagement and learner focus.



Pre-course access to courseware ensures everyone starts on the same level



Instructor led & fully interactive to answer your specific questions



Full post-course report identifies student engagement and further training needs



netX
access included

Explore our wealth of on-demand video training

A cost-effective training solution delivering the same level of quality as our instructor-led methods, our on-demand content includes courses that can be accessed from anywhere at any time, providing a fully flexible learning experience.

Choose from single courses or all-inclusive packages of training to suit your needs.

Courses include interactive features, downloadable reference documents, access to applied learning tools, intuitive learning management system, and trainer support.



Self paced learning that can be accessed from the comfort of your browser



Module-specific quizzes to benchmark understanding



Available as individual courses or as part of an all-access package

netX
access included

Discover the benefits of live virtual training

A flexible alternative to a physical classroom setting, our live online courses use virtual classroom technology to facilitate remote learning, meaning you get all the benefits of the classroom without the cost or environmental impact of travel.

Best suited for teams and enterprises, this method is ideal for groups wishing to focus on a particular technology subject or for ad-hoc training to support current projects.



Learning is delivered across consecutive days to maintain consistent engagement



Full course report after training identifies student engagement and further training



Pre-course test session available to ensure good connectivity and audio setup



netX
access included

Training you can trust

Our commitment to developing quality training is backed by our adherence to rigorous accreditation standards. We work closely with professional bodies to create content aligned to 3GPP and aligned to CPD Standards.








This means our students are getting the most up-to-date, accurate, and relevant industry training available – and earning professional development credits in the process. **Click here to learn more about our accreditation through CPD Standards.**

- ✓ Regularly reviewed
- ✓ Fully accredited
- ✓ Trusted by telcos worldwide



Unleash limitless potential with **limitless learning**

Unlimited Access package

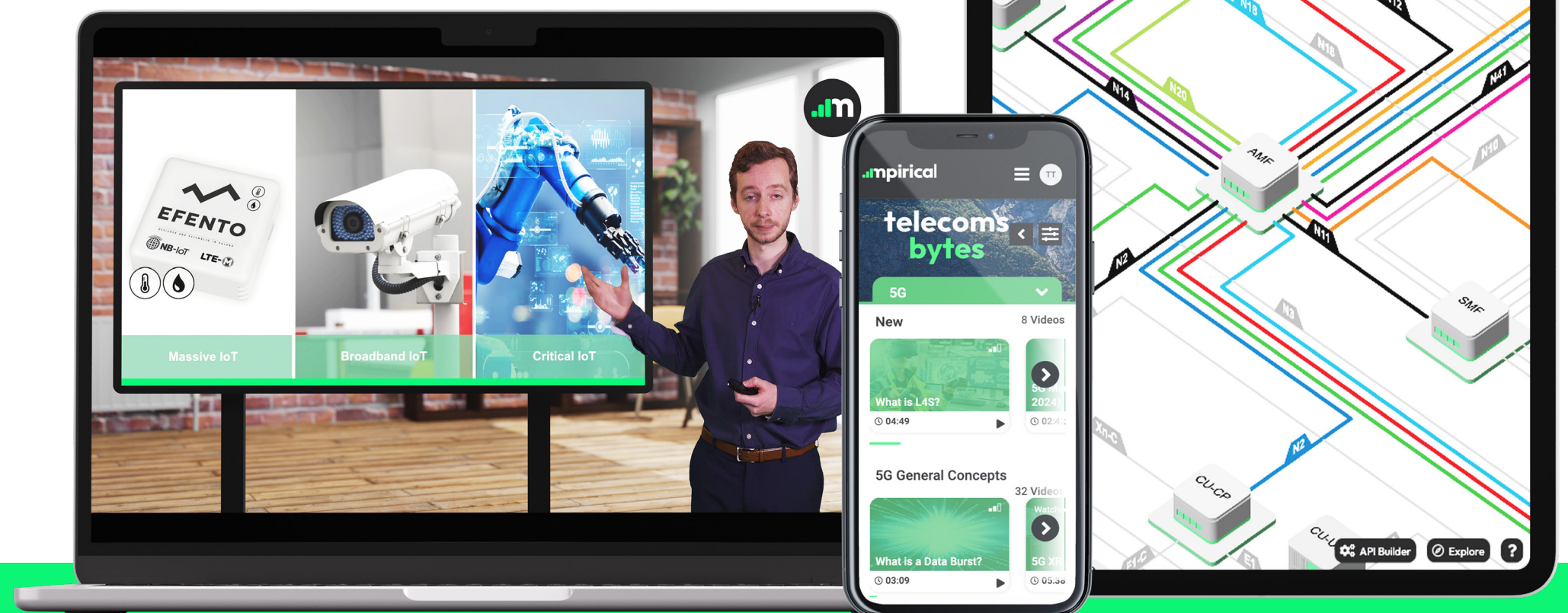
-  Focused learning paths to keep you on track
-  Microlearning for quick content consumption
-  Certificates and CPD credits
-  6 or 12 months' unlimited access
-  Multi-language captions
-  Free monthly live training access
-  Immersive learning with NetX

Hundreds of hours of on-demand learning with one easy subscription!

Our most popular option, this package gives you access to more than 100 courses (that's over 500 hours of content!) as well as new courses released during your license period at no extra cost.

Suitable for individuals, teams, and enterprises. Contact us for a custom quote of 10+ licenses.

Licences start from as little as **\$3 per person per day***



Rethink the way you learn

Your gateway to skills development, you can find all your training resources within the Mpirical learning platform.

Easy to access, it's packed with features to help you make the most of your experience, including role-specific learning paths, interactive courses, personalised reminders, blogs, manager reports and much more!





“

NetX is a great interactive map that explodes into finer detail when you drill down on a technology.

”

Student Review

netX

Step inside the mobile network

The tool that lets you marry theory with application

Apply your learning and get under the skin of your network. Featuring a fully interactive 3GPP-based network map, narrated call flows and detailed network procedures, NetX is essential for enhanced understanding of the telecoms network and how technologies and equipment interwork.

What can you do with NetX?

- ✓ View and analyse protocol stacks
- ✓ Search and isolate network functions
- ✓ Customise your view to focus on different technologies
- ✓ Explore step by step narrated call flows
- ✓ Watch video overviews on network procedures
- ✓ Use it alongside your training to aid understanding



Enter the wireless world

Go beyond the boundaries of traditional learning and see technology come to life!

Our newest interactive learning application, NetXplore is the key to helping you learn how wireless technologies work, what they're used for, and how they're deployed in a modern day setting. Within this virtual world, you can explore how 5G enables common use cases such as V2X, healthcare, agriculture, and much more.

Unlock the power of NetXplore with commercial training for your non-technical staff...

With our introductory and commercially-focused content, your teams will learn about wireless technology at a foundational level, gain a better understanding of how it links into your products as well as useful insight that translates to better service for your customers.

We have packages of beginner and commercial training ideal for apprentices and new employees, sales, marketing, retail, administrative, and customer support roles within telecoms.



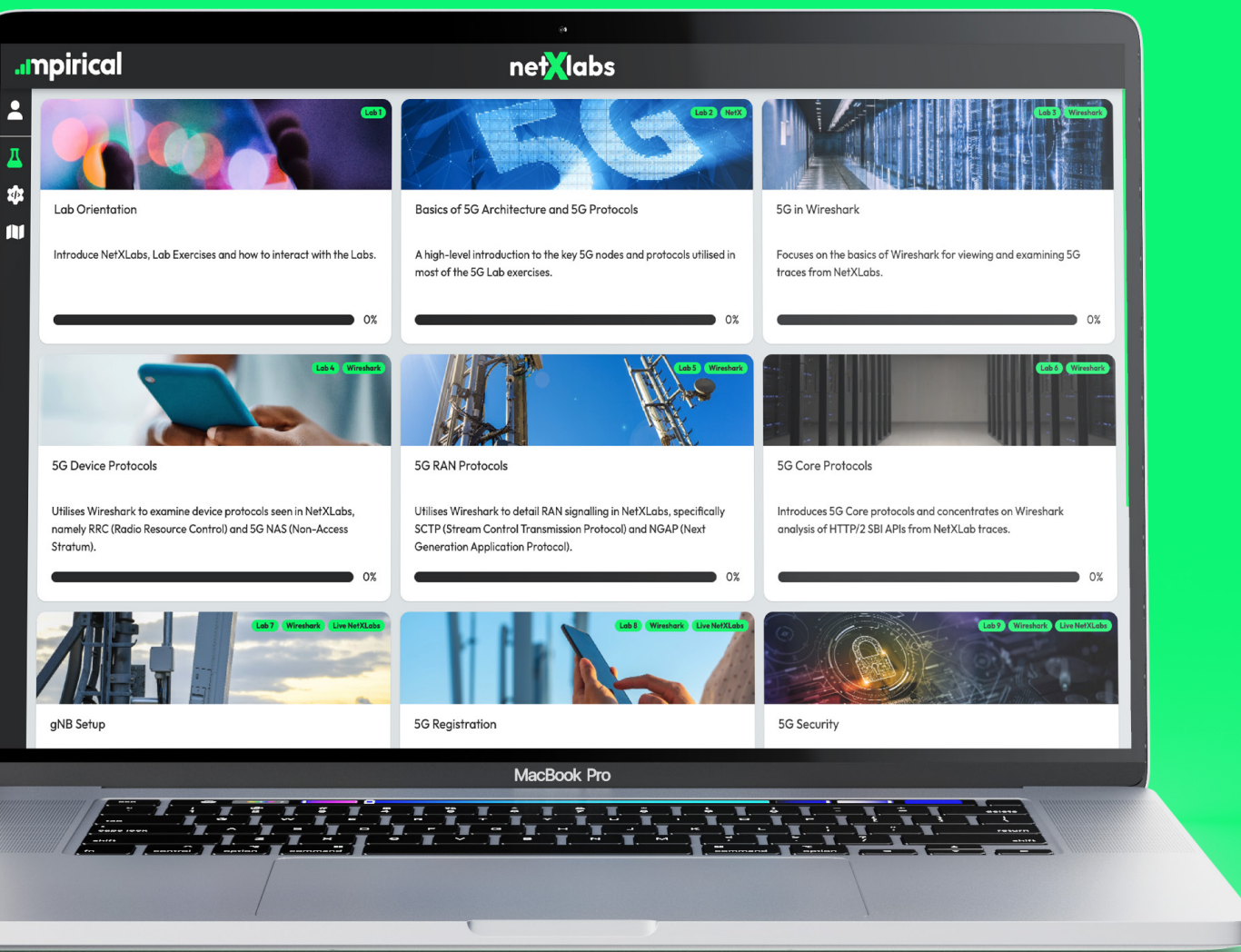


Utilising industry-standard open software for innovative 5G training

Hands-on exercises enable understanding of network protocols, functions, and troubleshooting, with the ability to export network traces for deeper analysis.

Within NetXlabs you can launch an individual instance, granting direct entry to the 5G Core and device simulator. Capturing real-time data, Wireshark allows you to trace, analyse, and examine network interaction.

Upgrade to NetXlabs with an Unlimited Access package or as a single unit 6-month subscription.



“

The hands-on experience with the latest 5G SA technology has helped me to improve the problem-solving capabilities. I highly recommend this training to anyone looking to elevate their technical expertise and make a tangible impact in their field.

”

Student Review

Create your future success story

At Mpirical, we believe your success is our success. That's why we offer end-to-end support and unique learning experiences that cater to business needs and encourage employees to maximise their potential.

In addition to our turnkey solutions, we can also partner with you to create custom enterprise packages and resources to support your learning objectives including:

Custom learning engagement strategies

Branded learning academies

Platform integration and Single Sign On

Multi language & accessibility options

Custom NetX built to mimic your network

Custom courses and learning paths



Did you know?

Only 27% of business executives claim their employees have the skills to work or interact with top emerging technologies

27%

83% of firms are worried about the long term impact of skills shortages on their organisation

83%

40% of employers have difficulty filling jobs due to skills shortages

40%



Did you **know?**

99%

99% of students say Mpirical training meets or exceeds their learning needs

88%

88% of users agree that Mpirical has increased their skills confidence

96%

96% of employees have been able to apply the knowledge and skills gained with Mpirical training to their role

Talk to us about your training needs today



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 **mpirical**

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