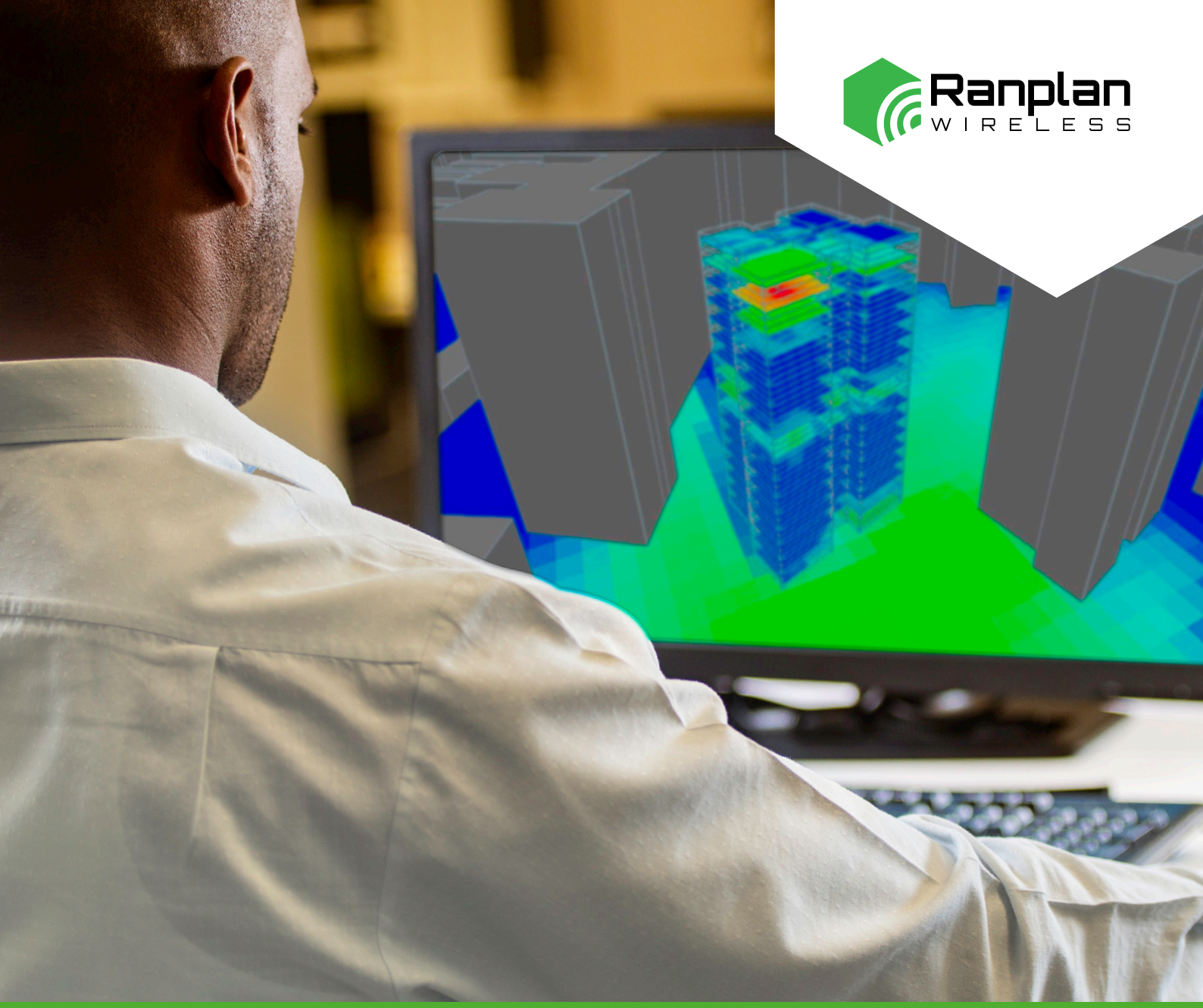


Perfecting Network Design with the Ranplan Online Certification Program

An online learning experience to further develop your expertise in creating wireless network designs for complex environments.



Advance your wireless network design capability with Ranplan

Learn industry best practices with hands-on experience from the Ranplan Online Certification Program. Advance your skills and knowledge to design complex 3D HetNet, in-building and urban outdoor networks for a variety of applications.

Real World Examples

Our examples of in-building and HetNet projects will enable you to directly apply the knowledge and experience you gain to a live working scenario.

Designed by Experts

Our courses have been carefully designed by our team of Ranplan experts, who have extensive experience designing wireless networks and providing guidance to the wireless ecosystem.

Certify your Skills

Becoming a certified Ranplan Professional designer will confirm you have the necessary credentials to accomplish complex network designs.

Dedicated Support Team

Our training and support teams are on hand should you have any questions or require technical assistance during the course.

Who are the courses for?

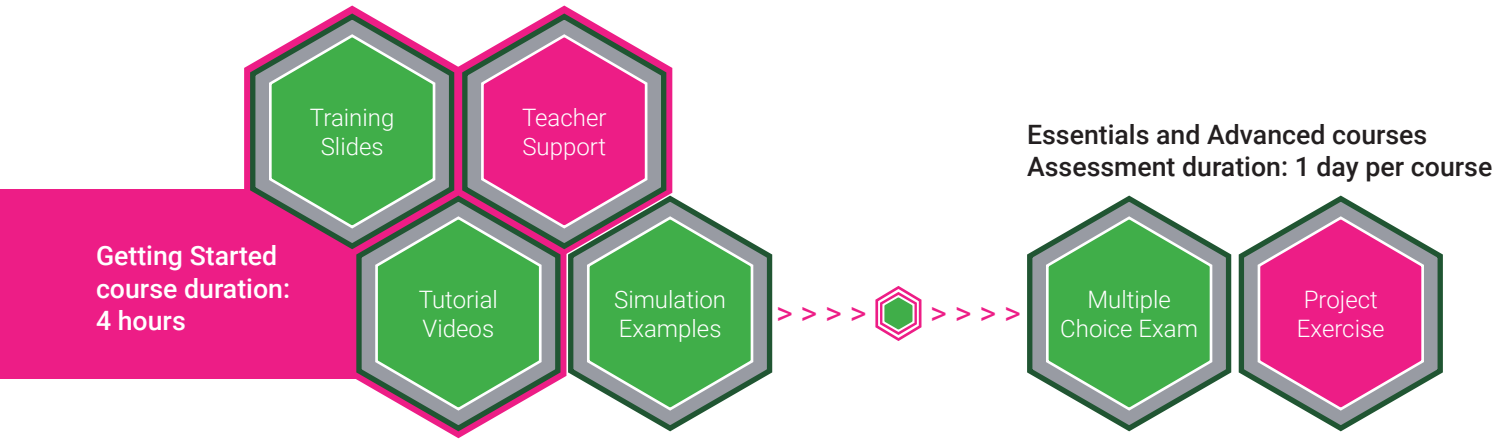
The certification program is designed for professionals already working in the wireless RF industry. For example:

- Wireless system designers
- Radio network engineers
- Radio network planners
- RF managers
- RF specialists
- RF consultants
- RF site engineers

Course Framework

The online environment provides you with the flexibility to learn around your other commitments within 3 months of purchasing. To help you plan, we have estimated the time you will need to allocate for the learning and assessment stages. All course materials can be revisited anytime, once you have passed the assessment.

Essentials and Advanced courses
Learning duration: 3 days per course



Getting Started course duration: 4 hours

Essentials and Advanced courses
Assessment duration: 1 day per course

Level 1 - Getting Started Course



Is this course for me?

The Getting Started course will show you how to install and set up Ranplan Professional, including how to configure your workspace to commence a network design project.

What will the course cover?

- Building modelling methods and tutorial
- Setting up devices and components
- Overview of optimising network designs
- Generating RF performance predictions
- Outputting comprehensive reports

Level 2 - Essentials Course



Is this course for me?

This course is aimed at those with some RF engineering experience who have completed the Getting Started course and want to expand their skill-sets in wireless network designs with Ranplan Professional.

Course prerequisites
Prior understanding of RF path and propagation, in-building coverage solutions, antenna fundamentals and project workflow process.

Certification period
Once completed your certification will last 3 years.

What will the course cover?

- Creating 2D and 3D building models
- Creating a project and modelling a network
- Using Ranplan Maxwell to run propagation simulations to evaluate system performance
- Generating customisable reports
- Database management and device modelling
- The essentials to design an in-building system

What are the learning outcomes?

This course will equip you with skills to:

- Design indoor projects
- Evaluate a network system using propagation and capacity simulation
- Optimise a designed network
- Manage device, system, and material databases

Level 3 - Advanced Course



Is this course for me?

This course is for experienced RF engineers looking to increase their skill-sets in building HetNet designs, and performing network optimisation and capacity analysis. In addition, explore the design methods of MIMO theory and 5G NR networks.

Course prerequisites
Completion of the Ranplan Level 2 Essentials Course is required before commencing the Level 3 Advanced Course.

Certification period
Once completed your certification will last 3 years.

What will the course cover?

- Designing a HetNet system
- Optimising a network using automation
- Generating wireless network simulations for capacity analysis
- Practical design of a DAS (stadium, tunnel, high rise building)
- Planning MIMO and 5G NR networks

What are the learning outcomes?

This course will equip you with skills to:

- Design complex HetNets for a range of scenarios and applications in the 5G era.
- Optimise complex networks for automation so that they can self regulate.
- Design networks for a rapidly evolving digital landscape that interoperate with legacy systems.



Enhance your skills to create next generation wireless connectivity

About Ranplan Wireless

Ranplan Wireless pioneers software solutions that help perfect the design, optimisation and automation of in-building and urban outdoor wireless networks, either in isolation or in coordination. Our solutions enable an ecosystem of companies to deploy next generation wireless networks for a range of applications, supporting multiple technologies such as 4G LTE, 5G, Wi-Fi, IoT, TETRA and P25, providing end users with an unmatched quality of experience.

Ranplan Wireless is a subsidiary of Ranplan Group AB (Nasdaq First North: RPLAN) whose head office is in Stockholm, Sweden. The group operates out of offices in the UK, USA and China.

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Ranplan WIRELESS
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