

# Wi-Fi network in awakened Rimske SPA



**RIMSKE TERME**  
MCDLXXXVI

Relax the old Roman way with the latest Wi-Fi technology by Ruckus Wireless



It was the Ancient Romans in 39 b.c. who first enjoyed the benefits of mineral waters in Rimske Toplice. Located in south east part of Slovenia and surrounded by beautiful nature of river Savinja, the Rimske SPA has more than 500 years of tradition. During all these years they have earned themselves a reputation of one of the best SPA centres in Europe. After 20 long years of vegetation during which the SPA was closed, in 2011 we witnessed the re-opening of the new and totally revised SPA (<http://www.rimske-terme.si>). The spectacular new complex extends on 20,000 square meters and offers relaxation and pampering on the highest level. In the complex there are three hotels, with total capacity of 190 rooms with 356 beds. In Valetudo Medical Centre, a team of experts takes care of various health issues and implement a variety of rehabilitations treatments. Business travellers and event organizers will be attracted to the vast array of meeting and conference rooms. Whatever you come for the new SPA won't disappoint you.

## Superior Wi-Fi network is a prerequisite for arrival of guests

The amazing pool in new facility is a close architecture replica of Ancient Roman building and represents the heart of the renewed SPA. On its walls we can observe the old Roman saying »Ventis Secundis Tene Cursum« or "Go with the flow" and on this flow the SPA entered the 21. century in a form of total makeover. At the time of renovation the new owners made a detailed list of all the features visitors expect to get in a luxury SPA. Right at the top of the list was a top notch Wi-Fi access. It is a fact that a modern tourist needs a reliable access on vacation and for the business travellers and conference organizers it is prerequisite for arrival. What the SPA needed was Internet access that will allow the use of all available platforms – notebooks, tablets and smart phones. The customer's requirements were: build a high-performance wireless Wi-Fi network that will provide reliable access to the internet for both guests and employees over the entire surface of the complex. The great emphasis was also given to the look of the Access Points. They should be as minimalistic as possible so they wouldn't intervene with carefully planned interior design. Crucial point in a selection was also the lowest possible number of AP's and good price / performance ratio. All the criteria have been met by professional Wi-Fi system ZoneFlex by Ruckus Wireless. With the incredible range of wireless signal powered by the advance antenna technologies, far less Aps were needed for coverage of desired area with top notch wireless signal. Half year after the installation ZoneFlex solution proved to be the right choice. Both guests and employees are very satisfied with the signal they are getting. Marko Mavrin, head of IT department in the Roman Spa, says: "The system of Wi-Fi access points and controller from Ruckus Wireless works great ever since its implementation, just as one would expect from the best solution on the market. Control of the system is simple, intuitive and offers many tools for the advance control and management."

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**Marko Mavrin**  
head of IT department,  
Rimske Terme d.o.o.



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### ABOUT THE SPA

Rimske SPA has more than 500 years of tradition. During all these years they have earned themselves a reputation of one of the best SPA centres in Europe. After 20 long years of vegetation during which the SPA was closed, in 2011 we witnessed the re-opening of the new and totally revised SPA. The spectacular new complex extends on 20,000 m and offers relaxation and pampering on the highest level.

### DEMANDS

- Total coverage of the whole SPA complex with powerful Wi-Fi signal
- Secure access to the web for guests and employees through the AD server
- Neutral look and lowest possible number of Access Points
- Best available price/performance ratio on the market
- Simplified management
- Reliable solution that doesn't demand constant intervention from IT stuff

### SOLUTION

Implementation of centrally managed professional Wi-Fi system Ruckus Wireless ZoneFlex with:

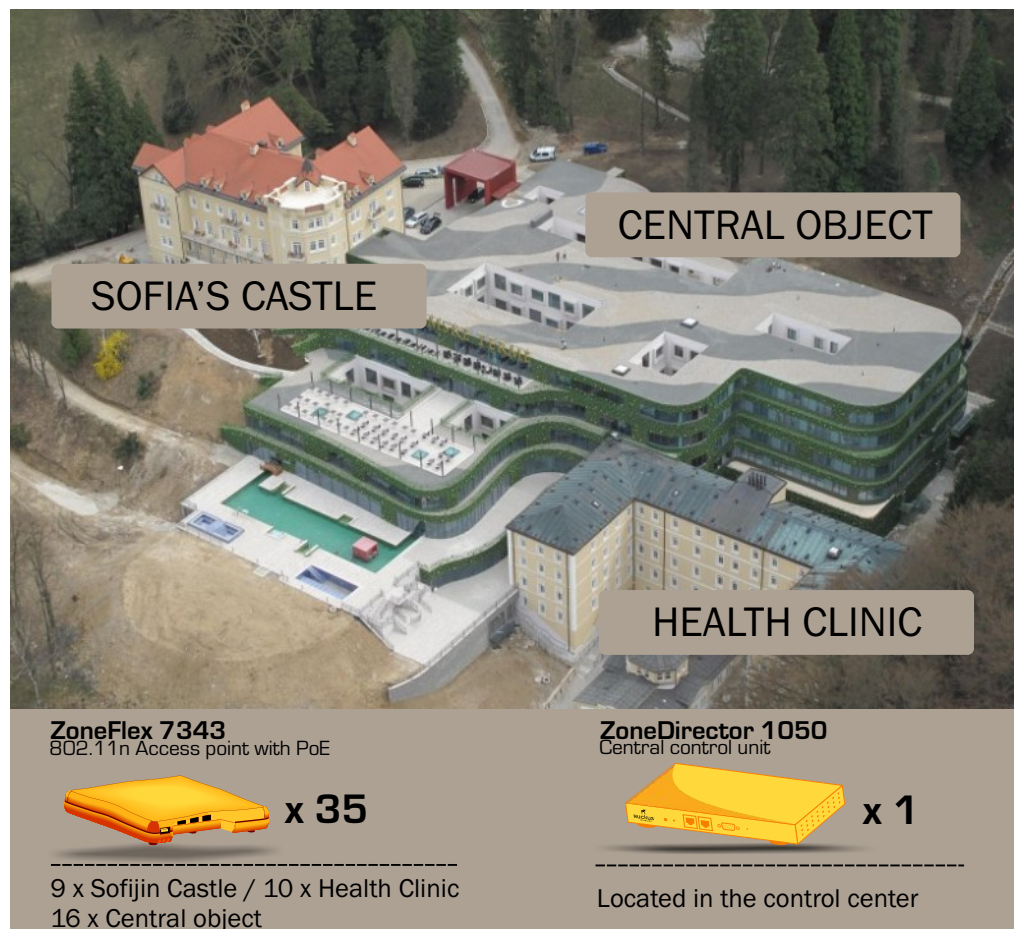
- 1 x ZoneDirector 1050 Wi-Fi controller
- 35 x ZoneFlex 7343 Access Points

### ADVANTAGES

- Total coverage of the complex with minimal number of required Access Points
- No need to implement the electric wiring in places where APs are installed
- Very fast implementation (less than 8 hours)
- Amazing quality and reliability of the Wi-Fi signal
- Simple centralized management without need for constant intervention by IT stuff
- Minimalistic look of Access Points
- Numerous compliments from guests and employees about the system

### Only 35 Access Point needed to cover 20.000<sup>2</sup>m

An extensive complex of Rimske SPA is divided into two major parts, the hotels and SPA / medical part. In total there is approx. 20 000<sup>2</sup>m available for guests to enjoy. The hotel part consists of three hotels with 3 and 4 stars with 190 rooms. To cover all facilities with a powerful Wi-Fi signal we needed only 35 access points ZoneFlex 7343. This means that every single access point covers on average a staggering 570<sup>2</sup> m. Small number of units is even more impressive given the fact that all the doors are fire proof, with a large amount of built-in iron that weakens the Wi-Fi signal. In comparison with alternative solutions, smaller number of required access points significantly reduced the cost of Wi-Fi network. Extraordinary capacity is achieved by integrated BeamFlex antenna system that delivers a powerful Wi-Fi signal in full 360° radius and steers wireless signal past obstacles and interference towards the clients. To power the access points, we used the built in PoE functionality, which meant that there was no need to implement the electric wiring in the places where the units are installed. All access points are part of a single network so users are constantly connected to the Internet, even if they move throughout all covered area. Wi-Fi network is managed by a Wi-Fi controller ZoneDirector 1050, which takes care of optimal functioning of all access points and their adaptation to environmental conditions in real time. The system provides secure Internet access for employees and guests with authentication via AD server and Dynamic PSK system.



With implementation of 35 ZoneFlex 7343 Access Points and a central control unit Zone Director 1050, we were able to provide a powerful and highly reliable Wi-Fi signal throughout the whole 20.000<sup>2</sup>m of the complex.

