



Case Study

ACE Telecom, Hungary

INDESTRUCTIBLE INTEGRA



Winter 2014/2015 was unusually cold and harsh in Hungary. Pictured above is a tower on which SAF Integra was deployed.

Introduction

ACE Telecom were among the first in the world to experience the simple, user-friendly installation of Integra. In late 2013 SAF Integra replaced Lumina in one of the western districts of Budapest and the first Integra was introduced to Hungary. ACE Telecom provided internet connection during the European Figure Skating Championship 2014 where Integra was installed on the roof of Syma center, a multi-purpose event arena.

“The almost half a gigabit backup data transfer was very helpful when it came to maintaining the stability of the network without interruption.”

- Farmosi Attila, executive at ACE Telecom

Customer

ACE Telecom is a Hungarian WISP that supplies their business customers with high-quality internet-based services. SAF Tehnika backbone covers almost the entire area of Budapest and services are available in the region of approximately 40 km off the capital as well. ACE Telecom was introduced to SAF Tehnika's products by our partner AccessPoint in Hungary. AccessPoint is a data transmission equipment distributor whose main customers are local internet service providers, cable TV operators, system-integrators and security companies.

“Integra can be installed in no time, due to its shape and characteristics.”

- Farmosi Attila, executive at ACE Telecom

ACE Telecom Network

- Approx. 20 links (FreeMile, Lumina, Integra)
- 18GHz; 24GHz frequencies
- 100Mbps; 180Mbps; 366Mbps; 456Mbps capacity
- 30-60cm/1-2ft antenna diameter



Case Description

Just like any other WISP, ACE Telecom's business relies on providing connectivity solutions to its customers. In order to ensure uninterrupted internet coverage during large public events, it is extremely important to have quality connection.



With the sudden thaw, the ice started to melt and fall down in large chunks. SAF Integra happened to be below one such ice brick.

Nevertheless, sometimes unexpected things happen. In winter of 2014 Hungary experienced an unusual mix of cold and thaw in combination with strong winds and overall harsh weather. Large chunks of ice built up on a few towers that ACE Telecom was using for the deployment of their microwave radios.

On one of these towers large ice rocks disintegrated from tower and fell down hitting the wireless equipment on its way. One of the radios that took most of the damage was SAF's Integra (see picture below).

Despite the vast damages Integra stayed operational so that the engineers were able to replace the damaged equipment without long, unexpected interruptions in the site traffic.



Despite the heavy damage and deformed antenna, the Integra remained operational.

Conclusion

SAF was chosen for the project, because of its superb broadband connectivity. It paid-off for the customer, because, despite heavy damage the Integra stayed operational. Thus, the engineers had the time to work out a plan for exchanging the damaged parts without taking emergency measures.

One of the reasons for creating the Integra series radios was to provide controlled highest possible build quality for both – the radio part and the antenna. For that reason SAF combined those both elements into a single solution making the Integra one of the most durable and highest-performing microwave radios on the market.

“Our client requires uninterrupted quality connection in order to provide internet during large public events. SAF Tehnika’s Integra has proven its reliability during such events and resistance in extreme weather conditions.”

- Gergely Kálmán, Product Manager, Accesspoint



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