



Switch technology with comprehensive, easy-to-use remote management and real-time network analytics provides seamless connectivity at Madrid Arena Stadium

State-of-the-Art

EnGenius Cloud Provides State-of-the-Art, High-Density Arena WiFi Ahead of Davis Cup Finals in Spain | Madrid, Spain

Madrid, Spain was one of three cities selected to host the **2021 Davis Cup**, the premier international event in men's tennis. Organized by Kosmos Tennis and sponsored by Rakuten, the competition included 18 international teams who converged on the designated sports venues in Madrid as well as Innsbruck, Austria and Turin, Italy.

The Need

Built to boost Madrid's 2012 Olympic bid, Madrid Arena has a max capacity of 12,000 spectators and an area of almost 136,000 square feet. The stadium was faced with hosting hundreds of journalists for the Davis Cup as well as thousands of spectators, officials, players, staff, and

security guards. The high-density environment made the Davis Cup an event in need of reliable, seamless arena WiFi across a massive complex of offices, press rooms, locker rooms, hospitality zones, training facilities, and restaurants.

It was critical that organizers and staff be able to communicate quickly and effectively and that members of the media be able to provide up-to-the-minute coverage of events in real time.



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Álvaro Cano

CEO, Parson Projects

The Solution

After exploring their options, event coordinators settled on the **EnGenius Cloud** network management solution. Local companies shouldered the installation. Carlos Sánchez Irle of X-Net supplied the equipment, and Parson Projects completed the deployment.

Final deployment throughout the Madrid Arena Stadium consisted of the following pre-configured access points and switches:

- 33 EnGenius Cloud **ECW230** 4x4 11ax (Wi-Fi 6) with 2.5 GbE Ethernet indoor access points
- 15 EnGenius Cloud **ECW260** 2x2 11ax (Wi-Fi 6) outdoor access points
- 12 EnGenius Cloud **ECS2512FP** 240W switches
- 9 EnGenius Cloud **ECS1528P** 410W 4x SFP+ switches

All devices were managed from the license-free Cloud platform. The **ECW230**, with its 2.5 GHz Ethernet port, was able to support multi-user uplink and downlink of **MU-MIMO** for optimal signal and reception as well as stronger, steadier, and more efficient wireless connection.





The Result

EnGenius Cloud's quick installation and configuration provided staff, players, and guests with reliable performance, predictive analysis, and real-time insights. The solution allowed admins to **visualize the network** under a single pane of glass. The **Cloud To-Go** mobile app also gave admins the freedom to monitor and manage the network on-site or remotely, providing deep dive analytics into each wired and wireless connected device.

One Cloud feature of particular importance was the ability to manage bandwidth across the network depending on traffic requirements in different parts of the stadium. The IT team was able to reallocate bandwidth in heavy-use areas to ensure solid connectivity for everyone at all times.

Lastly, the fact that all network devices were configured ahead of time before installation meant the solution was deployed in a fraction of the time.

It was not the first time that Parson CEO, Álvaro Cano, implemented the EnGenius solution, which for him has always yielded impressive results.

"The integration of EnGenius **wired** and **wireless** systems allows us absolute flexibility in our integrations," Cano and Sánchez Irlé agreed. "On the other hand, our specialized technical team relies on the robustness and stability of the brand's **equipment**. And, of course, **Cloud management** brings us a lot of confidence."



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