

Building Dreams into Reality: The Tech Innovation with Ultimate Luxury in Mediterranean

■ Background

Nestled amidst the enchanting landscape of Cyprus, PROSE Technologies has left an indelible mark on the City of Dreams Mediterranean, setting the stage for a tale of luxury, innovation, and connectivity. As the avant-garde architect of Europe's premier integrated casino resort, PROSE Technologies has seamlessly woven technology into the fabric of this iconic destination, offering an unmatched experience that transcends the boundaries of conventional hospitality.

At the heart of the City of Dreams Mediterranean lies a commitment to excellence, where opulent casino floors, sumptuous hotel accommodations, expansive conference halls, and a myriad of dining and entertainment options converge to create a haven for discerning patrons. Recognizing that superior connectivity is not just a convenience but an essential element of the extravagant City of Dreams mythology, PROSE Technologies embarked on a mission to craft a cutting-edge network infrastructure that would meet the diverse needs of both guests and service providers.

■ Challenges

The challenge was formidable—creating an uninterrupted network coverage across the sprawling expanse of the resort, navigating through a maze of underground offices, vibrant gaming floors, bustling public areas, and private hotel rooms. The objective was clear: to deliver a top-tier experience for every visitor and employee on the premises.



Solutions

In response to this challenge, PROSE Technologies introduced the EPIC-LPRU system, a low-power solution meticulously engineered to seamlessly integrate with the resort's elegant aesthetics.

Divided into two ambitious phases, the project began with a focus on core areas such as underground office zones, the hotel lobby, casino, restaurants, and public spaces. The deployed system included a dual-operator 5G-3500 network solution, under the stewardship of CYTA and EPIC, alongside a 2/3/4G network, involving PTL as the third operator. The meticulously planned installation comprised 1 5G sector, 5 Sub-3G sectors, 6 Power Balance Master Units (PBMUs), 25 Network Extender Units (NEUs), 164 Sub-3G Integrated Remote Units (iRUs), and 48 5G iRUs. This formidable array ensured optimal signal reception in every corner of the designated areas.

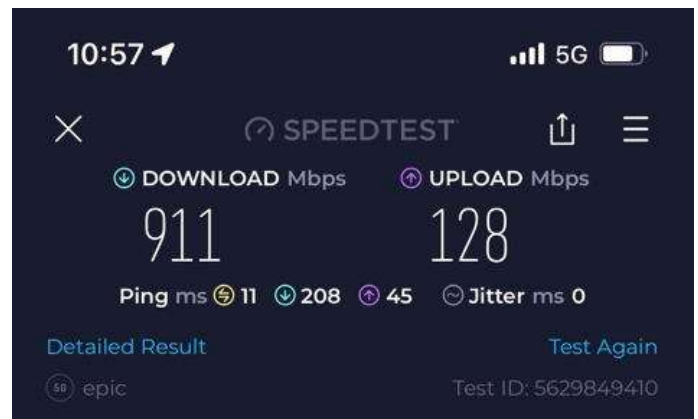


Results

The successful deployment of the EPIC-LPRU network not only met but surpassed the lofty expectations set by the City of Dreams Mediterranean management and its discerning clientele. The network's performance exceeded all benchmarks, delivering a virtually uninterrupted and robust signal that seamlessly aligned with preconfigured coverage predictions. This achievement has transformed the digital experience for both guests and staff, providing a smoother and unbroken connection—an imperative aspect of the resort's offerings.

The relentless pursuit of the ultimate connectivity experience by the City of Dreams Mediterranean was brought to fruition through PROSE's nuanced and effective strategy. The EPIC-LPRU system's ability to cater to the diverse needs of bustling public zones and the sanctuaries of private spaces has elevated the resort to the pinnacle of hospitality innovation. Guests and staff now revel in an unparalleled digital experience, marking a significant milestone in the City of Dreams Mediterranean's commitment to providing the utmost in luxury and connectivity. PROSE Technologies, as the orchestrator of this technological symphony, stands as a beacon of success, setting new standards in the integration of cutting-edge solutions in the realm of integrated casino resorts..

The second phase extended connectivity to private realms, encompassing 500 hotel rooms and elevators. An additional Sub-3G sector was introduced, accompanied by the installation of 1 PBMU, 9 NEUs, and 82 iRUs, enveloping personal spaces with strong, reliable mobile signal reception. The sophistication in installation matched the advanced technology, with iRUs discreetly integrated into ceilings and behind the scenes in public areas, preserving the elegance of the resort. Special measures were taken for unique spaces, such as elevators, where a single centrally-located iRU ensured signal continuity even on the move.



Network Performance Test
After the Implementation of EPIC Solutions

PROSE

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