

Design of mobile network in Golden Park building

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Abstract: This topic aims to meet the demand for efficient data transmission in the Golden Park building environment through the design and optimization of mobile networks. The practical context shows that high-rise buildings often face weak signal quality issues due to obstacles. Through this research, we will apply various techniques such as MIMO and 5G to enhance coverage and data transmission speed. The approach includes both theoretical and experimental methods to build a test system at the Golden Park building. The expected outcome is to provide a highly applicable solution for deploying mobile networks in similar environments.

Keywords: Mobile network, High-rise building, 5G, MIMO, Coverage