

# Network Slicing in hotel sector

**Objective:** To carry out a technological pilot to explore the capabilities of Network Slicing, in order to provide 5G coverage for infrastructures and buildings, where the necessary network resources are guaranteed to ensure the operation of critical services, without affecting the saturation of public networks.

In this case, Network Slicing is applied to hotels, whose capacity can sometimes be reduced due to visitor saturation, affecting services that rely on wireless communications (TV cameras connected by mobile network, IoT services, voice services, emergency services, etc.).

**Description:** The project consists of installing 5G coverage inside the hotel, in common places like the meeting area or the restaurant and some room floors, and moreover, developing "several virtual mobile sub-networks" or Slices, which will operate independently of each other, thanks to 5G Network Slicing.

In this way, guests would be connected to one 5G Slice while the hotel infrastructure would be connected to a different 5G Slice, ensuring that the performance of both is not affected by each other's traffic.

[Additional references](#)

