

One-Stop metering solution for Makkah Clock Tower Apartments



The Makkah Clock Tower, located in Mecca, Saudi Arabia, is the world's largest clock tower and the second tallest building. It has 76 stories and is 577 meters high. It is a vast complex with hotels, shopping outlets, food courts and luxury apartments.

Implement optimal instrumentation. Owners of the luxury apartments at the Makkah Clock Tower are able to accurately bill each of their 5,000 tenants for the actual amount of water, electricity and cooling they use.

The owners of the luxury apartments at the Clock Tower wanted the contractor to implement a solution so that each of their 5,000 tenants could be billed individually for their utility usage. That meant finding a vendor that could provide meters that could measure water usage along with cooling and electricity usage. Another challenge was to be able to take the readings from each of these meters remotely.

The contractor chose Council member Spire Metering Technology, which has a product portfolio diverse enough to meet all of the requirements. One Spire meter provides measurements for the water usage in each of the 5,000 units while another was used for cooling and a third to measure electricity usage.

Spire also provided Automated Meter Reading (AMR) software to allow the meter reading to be

captured remotely.

The final piece of the Spire solution was billing software that allows each of the 5,000 tenants to be charged for their actual usage.

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