

**MULTINATIONAL TELECOMMUNICATIONS COMPANY**



**VODAFONE**

- Markets: Telecom & Infrastructure
- Country: Turkey
- Courtesy of: Superior Products Turkey

**PROJECT DESCRIPTION**

There was a need to improve the working of the cellular network shelters by cooling their interior as the equipment inside, including the AC's, were overheating due to impact from sun radiation.

**COATING SOLUTION**

SUPER THERM was to be applied in a test case and subject to test results, it would be rolled out on all shelters requiring temperature reduction.

**RESULTS**

The independent test & certification office, TUV, performed the test for Vodafone and came up with the following results:

- During the trial period the weather in Adana was partially cloudy and therefore the shelters were not continuously subjected to direct sun shine.
- During the 3 days trial the SUPER THERM coated shelter consumed an average 52% less power comparing with the standard shelter
- During the trial the air conditioners' ON and OFF times were also measured. The results showed that SUPER THERM coated shelter's air conditioner stayed in 'OFF' mode for a period of 21% – up to 38% longer than the Standard shelter's air conditioner.
- The weather temperatures were between 21°C and 24°C. Depending on the clouds, the SUPER THERM coated shelters outside surface showed a 6°C – 8°C lower temperature than the standard shelter. (Normally the difference may be even higher, knowing that the temperature in Adana in summer season has an average of 45°C.)

**PRODUCTS WE USED**

**Super Therm®**