

CASE STUDY

Sakarya Metropolitan Municipality Space Heating



Executive Summary

- Energy Savings up to 37%
- Return on Investment 1 - 2 years depending on building
- First installation 2011
- Successive installations in more council buildings



Sakarya Metropolitan Municipality is one of the biggest borough councils in Turkey and is growing on an ongoing basis. They are responsible for numerous buildings and facilities in the area and were actively seeking innovative ways to cut their heating bills. In 2011 the Sakarya Metropolitan Municipality technical department decided to install the Hydromx® Energy Saving Solution in “Forest Park” one of the buildings at the Municipality’s social facility.

The building uses a BDR Thermea Baymak 60 kW boiler, with mild steel radiators and PVC Pipes. The installation, which involved draining the entire system, flushing the system and replacing the 160 litres of water with 50% water and 50% Hydromx, took less than a day. The results were astounding; a massive 37% saving in their natural gas costs with a return on investment of 1 year.



“We have found that the Hydromx Energy Saving Solution has provided 37% saving in our natural gas costs after its application to Belpaş Centre Office by your company in 24th November 2011. Additionally, we have been very pleased by the fact that this product prevents lime, reduces the corrosion substantially and increases the economic age of the product as well as being a Turkish invention.”

“We at Belpaş would like to thank all the scientists and the Hydromx team who have brought the Hydromx Energy Saving Solution to our country and wish all the best for their work.”

Nihat Sekmen / Belpaş General Manager
Sakarya Metropolitan Municipality’s Commercial Company Belpaş
2nd March 2012



Following these successful results the Sakarya Metropolitan Municipality have embarked on a programme of further installations of Hydromx throughout the area including the Belpas Administration Building and Belpas City Park building.

Belpaş Administration Building:

- 300 m² well insulated
- 18 x mild steel radiators, 21 mm PVC pipes
- BDR Thermea (Baxi Group) Baymak 60 kW boiler
- 80 Litres of Hydromx applied.
- Installation <1 day, 25th December 2011
- ROI < 2years



Belpaş - City Park

- 150 m² well insulated building
- Radiators; 8 x mild steel, pipes PVC
- ARİSTON 24 kW Combi -boiler
- 70 Litres of Hydromx applied
- Application Date: 20th February 2012

The Hydromx® brand, logo and other Intellectual Property Rights are owned by HYDROMX INTERNATIONAL KIMYA SAN. ve TİC. A.S. Patent and trademark information can be found in full at www.hydromx.com.