

Case Study: Hospital

# 4 Q-ton's installed in Dalmatia, Hospital KBC Križine

## Fact File

**Project:** Hospital KBC Križine  
**Project outline:** Supply of sanitary hot water  
**Installer:** Analiza  
**Products:** 4 x MHI 30kW Q-ton system  
utilising existing tanks



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In late summer of 2015 a major energy improvement program was completed at the Hospital KBC Križine. This is the largest medical centre in Dalmatia. KBC Split provides specialized medical care for inpatient as well as medical research.

The comprehensive touch screen control panel enables selection of specific periods to store the necessary hot water to match the building demand. The DHW is mainly produced over night when the electricity is cheaper, driving down running costs.



The energy usage improvement of the building was financially supported by the private investor ESCO company, Rudan Žminj Istria. The use of renewable energy equipment for this project was essential to secure the greatest running cost savings and the best return on investment. The Q-ton solution from Mitsubishi Heavy Industries was the preferred choice to replace the outdated oil boiler system.

The hospital is very pleased with the result as the whole system produces 26,800 litres of hot water per day at 65°C. This has allowed the hospital to deliver hot water at all times of the day when required.



Four Q-ton units were contracted by "Analiza" who were responsible for the installation of the water tanks and pipe work. The four Q-ton's are now operating independently feeding three separate zones in the hospital.

