

St Jansdal Hospital – Harderwijk, Netherlands

Background

St Jansdal Hospital was an early adopter of sustainable energy practices with windmills on the roof, LED lighting in parking garages, and excess heat the facility produces sold to a nearby school. When it came time to replace their existing UPS equipment due to increasing maintenance and battery replacement costs, St Jansdal was interested in technologies that would ensure reliability and help them continue their sustainability initiatives.

Challenge

As part of a three-year power upgrade project, the hospital required a solution that would protect the entire facility from power outages, not just the data center and operating rooms which had been protected by conventional battery UPS systems in the past. With an average of four power failures annually, their goal was to ensure no department was adversely affected during future outages, particularly sensitive imaging equipment – as the cost of redoing scans were negatively impacting the hospital's bottom line.

Solution

Active Power's CleanSource® 1500 kVA was chosen to replace their battery UPS units. Since the original installation, two additional systems have been added, **resulting in more than 1.5 megawatts of total rated flywheel UPS capacity deployed.**

Result

St Jansdal is one of the few hospitals in the Netherlands where all departments use a centralized flywheel UPS to provide power protection. Expanding their power protection beyond those departments with life saving equipment has saved enormous costs in their imaging department alone. Saving energy using a sustainable technology perpetuates an image the hospital is proud of.

Since we installed the flywheel UPS, we have had six power outages and nobody in the hospital noticed.

– Henk Veldhuis, Facility Manager

