

## Chirec and SDM join forces

**Chirec, a large hospital conglomerate with its prime focus on patient well-being, embarked upon a complete new hospital construction back in 2013. In 2017 this new state-of-the-art facility opened its doors. SDM-Projects were involved right from the start and took care of the production and automation of the emergency power supply, which were successfully concluded**



On December 9th and 10th 2017, Chirec finally moved their hospital and medical services from their erstwhile Edith Cavell and Parc Leopold premises to the newly-built Delta Hospital complex in Oudergem. Four years since construction started and with 500 beds to boast, the new Delta hospital welcomed its first patients on Monday December 11th.

The design of the new hospital building was entrusted to Brussels-based architects Assar, previously responsible for the new NATO headquarters and also involved with the Madou Tower and the Royal Military Academy. Assar's concept provided for an energy-efficient building occupying a surface of 95,000 sqm and stretching over 7 floors of which 2 underground.

SDM-Project, part of the broader SDM-Group, joined many other contracting parties cooperating to make this undertaking the success it is. SDM's primary role was the automation of the emergency power supply and back-up, encompassing everything from technical design assistance to engineering the 11 control panels, full programming of the software, project implementation, FAT and SAT organisation, right through to final on-site commissioning.

Bavo De Man, CEO of the SDM-Group further expands: "Intensive preliminary discussions with the client and following thorough initial analysis, our engineers drafted the detailed plans, our manufacturing unit at Heusden-Zolder assembled the control panels in their workshops with full in-house testing prior to delivery and installation.

At the hospital's request, different emergency scenarios were extensively simulated and tested, to ensure continuity of all critical functionalities in case of a power grid failure.



SDM engineers developed a Chirec-specific software package to secure and guarantee the emergency power supply, whilst at the same time offering the client clear and transparent operation overview. This enables periodic testing to be done using a one-button only operation , and allowing the hospital to switch seamlessly to its own-generator if required. Additional and in-built safety procedures guarantee safe and full-proof operating continuity, should one or more components fail. The implementation and full in-site commissioning was also taken care of by our highly-qualified technical staff and fully tested at the same time. All tests, together with the management and control of the emergency power can be handled and /or monitored by means of SDM-supplied and configured touch panels, both on-site as well as off-site.

After years of preparation and detailed project work, Delta Hospital in Oudergem opened its door on Monday December 11st 2017. “This architectural marvel is completed with the medical organisation fully geared towards the patient’s well-being and comfort. SDM is proud to have contributed to this success”, concludes Bavo De Man.