



CASE STUDY

Zinwave DAS solution sets the new gold standard for wireless coverage in the Healthcare sector

Zinwave's 3000 active DAS offers flexible future proofing for Martini Hospital in The Netherlands

The new €153 million Martini Hospital was designed by renowned architects Burger Grunstra with flexibility and uniformity in mind. The healthcare sector is constantly evolving with rapid developments in technology, so in using this approach in their design, they hope to have created a hospital that will last for the next forty years and can easily adapt itself to an unknown future.

The complex consists of a newly renovated 6 storey building covering approximately 38,000 sqm and a newly constructed building which covers approximately 58,000 sqm and houses a total of 580 beds over 96,000 sqm.

The need for flexibility in design was also a major consideration for the hospital when assessing their in-building wireless coverage needs. The Martini Hospital was legally obliged by the local government Safety Region to have C2000 TETRA coverage inside the building. The hospital decided to take the opportunity to also gain coverage for a mix of services both now and in the future. The project was awarded to Zinwave, in partnership with Radio Access, a leading system integrator based in The Netherlands who installed the Zinwave 3000 DAS through to commissioning.

The Zinwave 3000 DAS was selected for the project as it has the only wideband active Distributed Antenna System (DAS) that can carry any mix of services between 150MHz and 2700MHz on one hardware layer, making it easier and more cost effective for a multi-service project with future service additions planned. The system comprises of 16 Hubs and 121 Remote Units currently carrying a service mix of C2000 TETRA and Clarity Private GSM1800. In the future the Martini Hospital plans to extend to a further 2 floors in the old building and will also look at the possibility of adding in GSM 900, GSM1800 for Vodafone, T-Mobile and KPN and 3G UMTS

"We are unique in using the Zinwave 3000 Wideband active DAS system for both C2000 (Special Coverage Locations), Clarity Private GSM and commercial carriers. More and more of our customers are asking us for a Wideband solution without installing thick coaxial cables in their building and so we have deployed the Zinwave solution for numerous projects. We feel that by providing our customers with this cutting edge technology, we are providing the very best solution for in-building wireless coverage. " commented Daniel Seesink of RadioAccess B.V.

"The Healthcare sector is a rapidly growing market for us and one in which we have been very successful." said Colin Abrey, President of Zinwave International. "Martini Hospital was an interesting project with flexibility as a key part of the brief and one which the Zinwave 3000 DAS provided the perfect solution. It was the only active DAS that offered the flexibility, scalability and future proofing on one hardware layer to meet the project criteria"

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