

# SYSTIMAX®

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## SOLUTIONS

### Copenhagen Community Selects SYSTIMAX® Solutions for Infrastructure Supporting Municipal Services

SYSTIMAX® GigaSPEED® XL copper and LazrSPEED® fiber solutions deliver high bandwidth and low downtime for applications at 56 offices in Gentofte district



SYSTIMAX® GigaSPEED® XL cabling has been installed in the town hall and 55 other local government facilities in the Gentofte district of north Copenhagen in Denmark. The new network infrastructure supports municipal services to a community of 69,000 people within a wider urban area that has a population of 1.8 million. As well as office systems and on-line public services, the new cabling supports video, audio, CCTV, access control, VoIP (Voice over IP) and building management systems.

In the town hall and adjacent fire station, SYSTIMAX LazrSPEED® fiber cabling connects 15 communication rooms. These house SYSTIMAX PATCHMAX® patching hardware that serves both copper and fiber connections. In total, 168 kilometers of copper and fiber cabling was installed during the network up-grade project, connecting nearly 3,000 information outlets.

To design and install its new infrastructure, the municipality chose SYSTIMAX BusinessPartner,

Ementor, which has offices throughout Scandinavia. During the project, Ementor progressively removed old Category 3 cabling before installing the new GigaSPEED XL Solution, which has end-to-end performance exceeding Category 6 specifications.

The multimode LazrSPEED fiber cabling installed in the town hall's backbone connections is laser optimized to give 10 Gb/s performance from end-to-end. In the Gentofte project, the LazrSPEED

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Mogens Meier of the Gentofte municipal authority

150 solution was used for connections up to 150 meters; other versions of the solution support 10 Gb/s connections up to 550 meters.

“Like any municipality, we must provide efficient, responsive public services and meet growing demand to provide information on-line,” said Mogens Meier of the Gentofte municipal authority. “A high performance network infrastructure is essential to satisfy these requirements - the new SYSTIMAX installation will underpin our internal communications and on-line public services over the next 10 to 20 years.”

The Gentofte IT department chose the SYSTIMAX cabling solutions for their high performance and reliability. Both these features are guaranteed by the industry-leading SYSTIMAX 20-year warranty and applications assurances. These are backed by extensive testing in standard networking applications at the world-renowned SYSTIMAX Labs.

Due to the number of sites to be re-cabled and the need to avoid disruption of services, the Gentofte project was spread over a year.

The biggest task for the installation team of four engineers was cabling the combined town hall and fire station complex. This four story building is at the heart of the municipality’s services and contains the majority of the new infrastructure, including all the LazrSPEED fiber.

The new cabling infrastructure has the capacity to deliver 1Gb/s connections to desks throughout the building. With its 10 Gb/s backbones, the cabling will be able to support growth in network demand and new applications for decades to come.

“Local and central government are some of the fastest growing areas of network demand,” said Dorte Blichfeldt, Sales Director, SYSTIMAX Solutions™ in Denmark. “The move to implement e-government facilities is among the biggest areas of IT investment in Europe and the new, on-line public services are driving rapid growth in traffic on governments’ internal networks. By installing GigaSPEED XL and LazrSPEED Solutions, Gentofte has ensured its internal cabling infrastructure can support all the demands of its public facing systems – both now and in the future.”

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