

Nuenen FttH network based on innovative Emtelle fibreflow technology

Simple and economic implementation method for flexible and future-proof high-speed broadband.

Emtelle Europe is supplying its advanced FibreFlow[®] technology for the fully automated and service provider independent Fibre-to-the-Home (FttH) network in Nuenen, which is currently being installed by Volker Stevin Telecom (VST) on behalf of Ons Net. VST uses the unique 'blown fibre' technology to blow fibre bundles from point to point along pre-installed 3 mm tubes. The superfast 10 Mb/s link can be upgraded to 100 Mb/s if necessary. The network offers all 7,500 households in Nuenen access to 'triple-play' broadband services (i.e. television or video, telephony and Internet).

It is the first large-scale network to be based on 3 mm tubes. Emtelle developed the tubes which are laid between handholes located in the street and customer homes and through which the fibre bundles are blown. The solution is flexible, compact and highly sustainable. This approach considerably simplified and reduced the installation costs of the FttH network.

"We developed numerous special products in the pre-sales engineering phase of the Nuenen project, including a new type of TDC (Tube Distribution Closure)", says Jan Honig, Emtelle's Benelux Business Development Manager. "The new TDC enables us to combine and route more tubes to the various homes. We can now connect 1-12 customers per TDC. Furthermore, each route includes several tubes reserved for future use, which makes the network simple to extend with new broadband connections."

To round off its range of products for Nuenen, Emtelle is offering a complete package of services, further strengthening the company's commitment to the project. Jan Honig: "The services are not limited to pre-sales engineering activities, but include post-sales engineering





support, courses, certification and training, and field support. These post-sales and field support activities mean that we are physically present in Nuenen for a few days each week. Furthermore, only certified Volker Stevin Telecom staff are permitted to install our technology. In order to guarantee the best possible quality, we train and certify the people concerned ourselves."

The residents of Nuenen enjoy the maximum benefit of this innovative technology and the advantages of an open network. End users are free to choose for themselves the service provider with the most favourable rates and services. According to Henri Smits, chairman of the Broadband Now foundation, 96% of Nuenen residents have signed up for the fast 'Ons Net' broadband services.

Financial support from public authorities and private investors has allowed the Internet service to be offered free of charge for the first year, after which customers will pay less than to other, traditional, service providers. Blown fibre is the simplest and most economic implementation method for a large scale advanced optical fibre network.



About Emtelle

Emtelle is a global supplier of flexible, rapid and future-proof multi-tube networks and 'air-blown' fibre solutions. Emtelle's FibreFlow[®] technology offers a comprehensive, customisable system for the air-blown installation of fibre units in the 'last mile' of optical fibre networks.

With FibreFlow[®], Emtelle has established a prominent position as an innovative company. Emtelle is the leading global fibre solution provider for a broad range of applications, such as Fibre-to-the-Home, in business premises and in campus environments.

For additional information:

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