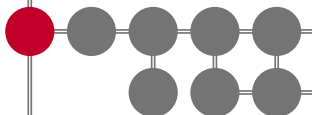


YOUR PARTNER FOR  
HIGH-LEVEL FIBER OPTIC  
NETWORK DESIGN



## WHO WE ARE

Engineering Consultants SCHEU Netzplanung GmbH – your partner for high-level fiber optic network design.

As specialists in the planning and design of **Fiber-to-the-Home (FTTH) Networks** we offer optimal solutions based on the needs of our clients. From the definition of objectives through to design, planning and implementation, everything we undertake is backed by our many years of experience in planning FTTH networks, drawing up tenders and supervising the installation of FTTH networks.

We look back on over 20 years of know-how in the field of IT and telecommunication network design. Since 1999, we have focused exclusively on fiber optic technology and have acquired considerable expertise relating to the installation of FTTH networks.

It is a pleasure to do business with clients who expect the best and value high-quality, economic solutions. The best business partners are those who appreciate our core values – imagination, innovation, flexibility and reliability.

## WHAT WE CAN DO FOR YOU

### Designing FTTH network infrastructures

Our strength in FTTH network planning rests on our ability to employ cutting-edge technology and economic solutions tailored to the business needs of our clients. As we design networks that are easy to upgrade and expand, the solutions we deliver are for the future.

### Our services

- Design of the complete network infrastructure (low-level and high-level)
- Analyzing and optimizing existing fiber optic networks
- Feasibility studies, including cost estimations and business plans, preparing tenders
- Analyses and valuation of offers

### Network documentation

As your client base grows, it will be necessary to extend your network. In order to maintain and extend your network economically, documentation must be comprehensible and flawless. Due to our wide experience with different network design software, we can recommend the software best suited to your needs and objectives.

### Supervising network installation

We not only have extensive know-how in design work, but we are also completely at home with supervising the installation of FTTH networks and ensuring that everything is implemented according to our design. In short, our clients do not have to worry about installation and avoid the problem of system bugs.

### Training

We will ensure that your own personnel fully understand the work carried out on your behalf and are able to extend and optimize your network independently in the future.

## EXAMPLES OF OUR EXPERTISE



### Fiber-to-the-desk infrastructure

1,900 connecting points  
KVNO Düsseldorf, Germany



### Enterprise Network

New Athens International Airport, Greece

### FTTH/FTTB access network connection

18,000 buildings in Norderstedt, Germany



## FIELDS OF WORK

### We design and plan fiber optic networks for:

- Smart city infrastructures
- Business and industrial zones
- Airports
- Fiber-to-the-desk office networks
- Smart home cabling

### We design and plan IP infrastructures for:

- NGN public switching
- NGN IPTV and VOD
- Smart city infrastructures

### As well as:

- Data center design
- POP (point of presence) design

## YOUR BENEFITS

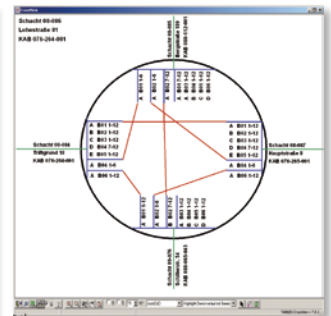
Our experience will reduce your investment risk and help maximize your returns.

Backed by the experience of SCHEU Netzplanung GmbH you will be able to design an ultra-scalable fiber access based Next Generation Network.

All designs and plans are created, supervised and revised with TANNIS planning and documentation software. TANNIS generates electronic online documentation which is handed over to the customer at the end of the project.



FTTH design with unique micro-pipe assignment



Complete splice and service documentation

- Minimization of your basic investment in passive and active components for your NGN
- Reduction of investment risks by avoiding additional cabling and road digging later on
- Reduction of dependency on system vendors (passive and active components)
- Development of a concept for a fiber access network that will meet all possible communication requirements for the next 20 years
- Delivery of up-to-date, data-based documentation of the complete fiber and micro-pipe network infrastructure
- Provision of training on the job for your network support and documentation staff

### Infrastructure

designed for a FTTB network of 200,000 homes in Hamburg, Germany



### NGN IP infrastructure

(BRAS and IMT-IMS Softswitch Ericsson)

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**Engineering Consultants SCHEU Netzplanung GmbH**

Baumstraße 11 · D-71297 Mönsheim · Germany

Phone: +49 (0)7044 - 90 17 665 · Fax: +49 (0)7044 - 90 17 666

Website: [www.scheu-netzplanung.com](http://www.scheu-netzplanung.com) · E-mail: [info@scheu-netzplanung.com](mailto:info@scheu-netzplanung.com)

