



FTTX-FTTH Design Engineer

Overview

Ingenieursbureau XYZ is a company of engineers, innovators, and creative people who solve challenges within the telecom industry. Providing engineering services within the mobile telecommunication industry, we engineer solutions that are cost- and resource-efficient and forward-thinking. Founded in 2006, we are headquartered in Arnhem, The Netherlands and have a subsidiary office in Duisburg, Germany and have 20+ professionals working in total in both offices.

Description

- The FTTH Design Engineer will work directly with Sales, Marketing, Customer Care, and other commercial functions to support external customers with the design of passive optical networks and the generation of associated bills of material (BOMs) for Fiber-to-the-Home networks. In addition to FTTH networks, the Design Engineer may create solutions for Multi Dwelling-Units (MDUs), Fiber-to-the-Business (FTTB), and other Access Networks.
- The Design Engineer will often accompany Sales and other commercial representatives on customer visits to present solutions, provide training, and assist with various technical issues.
- The Design Engineer utilizes knowledge of products and product suites to develop optimized passive optical network solutions for customers.
- Design support provided will leverage commercial sensitivity to achieve technically sound customer deliverables while enhancing business relationships.
- This Design Engineer will be required to utilize sound problem-solving abilities to achieve desired objectives. Multiple design iterations may be necessary to develop optimal solutions which satisfy customer requirements as well as desires.
- The Design Engineer must formulate technical solutions using products which are core to the business as well as those which are newly released or even modified to meet custom specifications.
- The design Engineer must balance the goal of creating an optimized solution against an understanding of the customer's needs to best meet corporate objectives, both financial and strategic.
- The SE will establish technical positions and recommendations by integrating this information with project priorities and published standardization documents.
- Communication with the appropriate internal commercial personnel must be maintained throughout the design process in order to properly manage commercial impact.
- This Design Engineer will have multiple peers who share similar responsibilities.
- Many responsibilities are shared between all members of the Design Engineering group while several specific roles may be assigned to individuals to maximize efficiencies and capitalize on key strengths.
- Special assignments often requiring additional travel or even being embedded with external customers may be assigned to individuals based on demand, work-load, priority, and experience.

Responsibilities

We are looking for an Engineer who will be responsible for:

- 5 years or more of experience in the Telecommunications industry.
- Proficiency in English language, both written and verbal, is a plus.
- Experience with computer aided drafting (AutoCad).
- Product development or manufacturing experience.
- Knowledge of basic optical fibre theory
- Knowledge of Passive Optical Network products (FTTx, LAN, and Data Center) and how they are utilized in to create network design solutions.
- Field experience with fiber optic products (FTTx, LAN, and Data Center) and processes such as cable handling, fiber splicing, connectorization, and testing.
- Experience working in a commercial organization.
- Create preliminary bills of materials, quantity estimates, and fabrication drawings for proposed projects.
- Collaborate on design matters with Engineering staff.

Qualifications

- Degree in an Engineering discipline. Mechanical or Electrical preferred. (B.Sc. or M.Sc.)
- Proficiency with current desktop computer software including MS Word, MS Excel, MS PowerPoint, and MS Outlook.
- Ability to meet stringent deadlines, operates in a fast-paced multi-task environment, and effectively manages competing time requirements.
- Fundamental analytical problem-solving ability.
- Self-motivation and the ability to succeed under minimal supervision, often with vague and nebulous information and direction.
- Ability to quickly assimilate technical and commercial information from multiple sources and consolidate this into a focused technical position.
- Ability to communicate ideas and solutions to all organizational levels (Technician, Engineer, Sales, Marketing, Product Management, Leadership, and Executive).

Ingenieursbureau XYZ is an equal opportunity employer and provides all of its employees with a competitive compensation and benefits package.