

# FIBER/ HFC DESIGNER

*Come work at a rapidly growing engineering firm that is staffed with industry experts, has great benefits, and prides itself on developing our people.*

## The Company

Planview Utility Services Ltd is an engineering firm that provides engineering design, sub-surface investigation and geographical information related services to telecommunication companies and electric utilities. Our workforce is a mix of veterans of the industry and youthful enthusiastic technical resources. We have pride in our collegial culture and host multiple regular corporate sponsored social activities. Our embrace of the use of technology plays a large part in our success.

## The Position

The CATV Designer is capable of efficient RF system design for CATV networks for various types of projects consisting of new builds (Single Family Unit - SFU / Multi Dwelling Units - MDU), forced relocates, rebuilds, upgrades and extensions.

Design projects are executed using client provided software and include forward and reverse paths and powering.

## Responsibilities

- Minimum of 3+ years working with HFC and Fiber networks, including FTTC, FTTF, Segmentation and other uplift / rebuild of Hybrid-Fiber-Coax Networks
- Detailed experience with Fiber to the Home, Centralized and Distributed splitting architecture, splicing and other aspects and technology of fiber networks
- Detailed working knowledge of SpatialNet and other platforms
- Drafts and designs new plant extension and as-builts utilizing the client specific software
- Updates RF and/or Fibre Design databases and maintains system maps including base map, cable, fiber routes, addresses & RF design including commercial, SFU, MDU, FTTC, FTTX, FTTB node profiles & powering data
- Executes system design by gathering information from project staff, calculate powering and level analysis and selecting appropriate location for power supplies & nodes
- Provides drawings and details in both CAD based platforms and other media to determine and display design criteria
- Detailed experience with HFC nodes including segmentation, powering using 860Mhz, 1.2Ghz and Mux interfaces
- Incorporates field and as-built changes from draft prints to the system database
- Communicates with the Permit Department and Coordinators in order to gather and provide accurate information with regards to construction design
- Determine method to design the plant changes with minimal impact to the system/customer and minimize related construction cost and ensures quality of design
- Able to teach, train and lead a small group of designers
- Works closely with GIS, CAD Staff, Project Coordinators and other internal resources to execute projects within a timely fashion, whilst maintaining budgetary restraints

**Planview Utility Services Ltd.**

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## Requirements

- College Diploma in Engineering Technology or higher
- Direct relevant experience in design of Fiber / HFC Design / RF Design or other telecommunication design required
- Proficient in Microsoft Office Suite
- Good analytical skills and good judgment
- Excellent spoken & written communication skills
- Knowledge of technical standards for the design of the outside network (poles, broadband technology, fibre and copper cables) would be an asset
- Working knowledge of AutoCAD and other GIS / Spatial platforms
- Able to operate effectively in a fast-paced and highly energetic environment
- Must have excellent supervision skills and self-disciplined
- Capable of working under pressure, sense of urgency, self-motivated
- Ability to multi-task, prioritize responsibilities, team player and adaptable

## Preferred Skills

- Experience with outside plant (OSP) design of utilities (i.e. electric, gas, telecom, fiber optics, etc.)
- Working knowledge of Aerial and Underground designs, drawings, and specifications
- Knowledge of CSA, ESA and Regulation 22.04
- Past experience within a telecommunication & LDC company or Engineering Consultant

## The Location

Planview Utility Services has 3 offices – Markham, London and Ottawa. Our clients and their projects are based throughout the province. ***There are 3 positions available with the preferred locations of London and Markham. However remote candidates will be considered***

## Why You Should Apply

If you like to work as a part of a team, work alone, travel, contribute to infrastructure builds, work outdoors, receive competitive compensation, and be trained in current practices, then you should apply.

## Note

Planview Utility Services Ltd is an Equal Opportunity Employer.

In accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code, Planview Utility Services Ltd will provide accommodations to applicants with disabilities throughout the recruitment, selection and/or assessment process. If selected to participate in the recruitment, selection and/or assessment process, please inform Human Resources staff of the nature of any accommodation(s) that you may require.