

AND ProductInformation EditClients: FibreCo

Design and documentation for access networks

AND FibreCo provides a comprehensive solution for designing and documenting all types of access network architectures, including HFC, FTH, FTTx, RFoG, and not forgetting microducts, in a highly visible, intuitive and efficient manner.

It offers complete end-to-end documentation, planning and service support from the central office(CO)/ headend to the subscriber. Over the last section, e.g. in-house networks, AND supports the various access methods i.e. fibre, copper (Ethernet/DSL), and coax; in-house microducts are of course also supported.

Detailed information about all the components deployed or to be deployed in the network is available including settings, expected status and performance, geo-reference and address. The entire process is fully interactive as the documentation, design and engineering tasks are carried out simultaneously – there is no need for separate tools and modules. As well as ensuring data integrity this also contributes considerably to greater efficiency throughout the workforce.

Worksheets linked to the base network plan allow an intuitive, comprehensible and at the same time calculable hierarchical network structure. Networks can be drawn directly onto geographical maps using either vector or raster formats. Imported maps, e.g. DXF or DWG, can be georeferenced.

AND FibreCo provides a wealth of features for fibre network sections working seamlessly with the coax sections. The network modelling facilities enable the user to calculate optical budgets as well as the detailed presentation of cables, splice boxes, patch fields and optical components. Signal tracing allows the user to analyse through-connected cables and lists the locations, splice boxes and manholes passed. Various reports can be generated, e.g. detailed splice plans.

For HFC operators and telcos eyeing the in-house coaxial network to provide access to the customer, the user can also calculate RF levels for forward and return path as well as distortion products and noise, calculate remote powering, define test points, automatically generate in-house networks and create bills of material. The optical power is also calculated providing invaluable assistance when designing xPON networks. Network checks ensure designs remain within predefined specifications. Furthermore, comparisons with data from measurement devices means builds can be verified.

AND's fast learning curve allows you to begin your design work right away. The drag & drop approach means that especially for FTTx operators there's no need to manage tables trying to keep track of what you are expecting to achieve. Forget tedious time-consuming drafting with a CAD tool:

- Drag & drop components on to map or schematic diagram.
- Splice what you want to splice, cut what you want to cut
- Check optical power budget anywhere on the network
- Trace signals at a key-stroke
- Generate splice reports where and when you want them

AND FibreCo is available as part of the AND SystemSolution or as a stand-alone application.

Further AND documents about our range of edit clients include

- *FibreManagement*
- *Coax*
- *LocalArea*
- *LibEdit*