

## CASE STUDY

**Project: Digitization of Telecommunication Network**  
**Customer: Leading Telecom Company in Europe**

### Requirement

The customer, a leading telecom company based in Europe had requested AABSyS IT to map their underground optical fiber network along with all the connected objects including the house connections. The customer had supplied AABSyS with their consumer database and survey points on the pre-digitized ground cadaster map



### Solution Offered

- The scope of the work included mapping of underground optical fiber network along with all the connected objects including house connections
- Various layers were captured such as parcel borders, parcel numbers, street lines, street names, border stones. Mosaicking and edge- matching were made after digitization of map-sheets to build a single homogenized map.
- Optical Fiber Cable lines and connected objects were then captured with reference to supplied Survey points on the pre-digitized ground cadaster map
- Attribution of house connection network was done by referring to the consumer database
- The final delivery was done after a thorough quality check in order to ensure delivery of error free deliverables

### Technology Used

- AABSyS used heads up digitization for conversion of the products. AABSyS team used techniques such as manual digitizing, geo-referencing, mosaic and edge matching, and attributing for timely completion of the project.
- A few indigenous Auto LISP routines were developed in order to expedite the drafting process and assure quality assured floor plans
- The team at AABSyS used high end, up-to dated software such as AutoCAD, Estate Manager, Autodesk Raster Design, etc. to complete the given task

### Customer Advantage

- AABSyS has delivered the project in a time bound and cost effective manner for asset management of Telecommunication Network for maintenance, planning & use
- The indigenous online query management system ensured that only relevant questions were asked by the AABSyS team
- Timely and cost efficient delivery of the project had saved critical time for the customer