



## CASE STUDY:

### Line 3 Project Project Value - £25M

The project was to increase capacity of a fibre production facility in Widnes by introducing a third production line. The existing two lines were contained within a single building and with no space for a third the project also included the build of a new production building to house a third and future fourth production line. The project also included improvements to the preparation area and tie-ins to the existing services to prepare for the increased production. Addison were challenged to make improvements to the process design by analysing the efficiency of the existing lines. The expansion also required changes to be made to the sites electricity infrastructure with the introduction of a power factor correction unit and various modifications to the steam supply.

### SCOPE FOR THE PROJECT

Addison initially completed a +/-10% sanction grade estimate for this project. Once the project was sanctioned Addison were engaged on a NEC 3 Professional Services contract to complete the engineering design, procurement and part of the construction works through to mechanical completion of the plant.



Our role involved multi discipline design including process, civil, structural, mechanical and control electrical. Addison also completed the project management and planning duties on the project utilising Primavera for the programme. Our role also included technical construction support by the various disciplines when the equipment was being installed as well as construction supervision of the trades on site.

### SPECIFICS OF OUR SCOPE INCLUDED :

- Separate cut and carve type project to modify existing preparation area completed
- Multi discipline design on a Professional Services Contract
- Expansion of 11kV network.
- Relocation of 3.3 kV transformers
- Specialist procurement support in specification of main plant items (MPI)
- Procurement of equipment including 150 MPI, 300 instruments and 50 control panels
- Procurement of major subcontracts including M&P Installation, CE Installation and scaffold/insulation