

**FIBRAIN** 

# **WAN COMPANY & FIRBAIN CASE STUDY**

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# **GASIN CEMENT PROJECT SULAYMANIYAH IRAQ**

[www.farukholding.com](http://www.farukholding.com)

Gasin Cement Company (GCC) is one of the Faruk Holding's strategic projects to build, promote, and improve a strong infrastructure for our region's economy. GCC is located in Bazian area, around 35 km southwest of Sulaimaniya city. Gasin decided to upgrade and expand their network connection between their different facility and buildings. With the consultancy of Fibrain engineer and Wan Company team on how to roll-out the network with the most cost-saving and bills of materials, it was without a doubt that they choose FIBRAIN products to achieve their project goals. In this project, Fibrain armoured cable with corrugated steel tape were used for directly buried installation method.



Fig. 1 SSC-T30U Armoured Cable

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Fibrain cable was placed on a stand for easy access as figure 1. It was then roll-out for field installation.



Fig. 2 Roll-out Of Old Cable

Upon the removal of the old done and dusted cable, the installation of Fibrain Fiber Optic Armoured cable begin leading to the distribution point.



Fig. 3 Fiber Splice Process

During this process Fibrain Din-Rail Patch Panel FDM-S-X was use to connect the network at the distribution box. The cable was the striped for the splice process. Fujikura splice machine was used to complete the splice process above figure.



Fig. 4 Fibrain FDM-S-X Din Rail Patch Panel

After, completion of fiber splicing process, it was then mounted to the distribution box as above figure and each port has been labelled according.



Fig. 5 Attenuation Measurement

Nothing is completed with the final step which is the attenuation test and without any doubt, it has proven that Fibrain cable complies with the standards of ITU-T specification and there was no loss in attenuation.

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**Born from  
motivation,  
built on  
innovations**

