



*Bringing Ideas to Reality*  
Case Studies

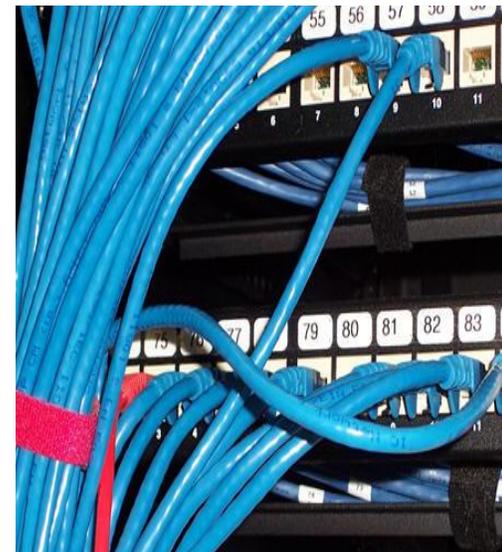


# 10 G Ready Infrastructure

## About PCI Limited

It is a journey from germination of an idea to its fructification. It is a story of vision and growth. Started as a modest enterprise in 1986, it is now a prime mover. A leader in the latest technologies in India and an international forerunner. Visualizing a tremendous potential in bringing state-of-the-art technology for meeting the requirements of India's priority sector, the Prime Group started with its initial venture. Prime Chemfert Industries Pvt. Ltd. (later renamed PCI Ltd.).

Over the years, the Prime Group has surged through continuous expansion, diversification and transformation of its initial venture into a varied field of Hi-tech Instrumentation for testing, measuring and condition monitoring, Capital Goods, Precision Engineering, Geo-technology, Information Technology, Power Generation, Lease-Finance, Imports and Exports.



## Business Challenge

In the month of November 2010, Targus Technologies Pvt. Ltd. approached PCI Ltd (Prime Group) to allow Targus to implement their Structured Cabling requirement at their new upcoming facility in Gurgaon.

The customer wanted their Structured Cabling to be future ready and be able to support 10 G applications which were currently being prepared by Application Vendors across the globe. Prime Group being a leader in its domain was also very conscious of the correct IT solution that was being proposed by the various other System Integrators wanting to partner with them.

Targus was not only awarded the contract, but was also given the extra responsibility of ensuring that the design of the raceways was up to international standards and was implemented at the site.

The challenge faced by Targus was that the raceways deployed at the site were for CAT 6 cabling instead of CAT 6A cabling. Another challenge was that of speedy implementation as PCI wanted to shift to the new facility within 1 month, hence deliveries was very critical in order to meet the project timelines.





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## Network Solution

Targus implemented a completed end to end 10G Solution, on CAT 6A cabling. AMP NETCONNECT product line was recommended by Targus and eventually used for the implementation of the Structured Cabling. Targus recommendation for the use of AMP product line was for the following reasons:

- Easily available stocks in Delhi and across the country. AMP being the largest Structured Cabling OEM in the country could easily arrange material for the project within a very limited timeframe.
- Targus recommended the use of unloaded angular jack panels for optimum use of space and for cost optimisation. Advantages of using unloaded jack panels is the ease with which changing the information outlets, in case of malfunction, becomes without having to disturb any of the adjacent ports. The real advantage of using angular jack panels can be seen with regards to the space that can be saved inside a rack for Passive Components. With an angular jack panel one does not have to use horizontal cable managers for patch cords as the patch cords directly go into the vertical cable managers without having to travel in a horizontal cable manager. Also with an angular jack panel, one can use an open frame rack, which will take up less space in a Server Room/Hub Room.

As the raceways were already laid for CAT 6 cabling, Targus redesigned all the raceways so as to maximise the utilization of the existing raceways and by placing additional raceways through alternate routes. This allowed the customer to minimize the amount of rework required for accommodating CAT 6A cabling and also by minimizing the cost impact.

Targus also designed the complete layout of the Server Room and the various Hub Rooms that were in the new facility. Right from cable tray layout to the PAC unit placement, Targus provided the complete consultancy for the Server Room designing. The design of the server room was in such a fashion so as to allow minimum space for the Passive Components and maximize space for the Active/Servers to be placed in the Server Room.

Targus ensured that the Installation Quality of the Passive Components was of the top most standards. This ensured that the customer got the optimum performance from the cabling system deployed and value for money.

With the help of AMP NETCONNECT product line and Targus Cabling Solutions expertise, Targus was able to deliver a true 10G throughput Structured Cabling Solution for PCI within the budget and timelines specified by the customer



**With Targus**  
There is, always a solution