Optimising fibre optics to save cost

By Sonama Szol

It is known that a reliable high-speed broadband service across the country is important to help revs, and if not, users will lose connectivity and gain the benefits that come with it.

To make the happen, there is a need to implement the infrastructure required and this readily involves fibre to the home (FTTH) network.

While some may argue that there are already existing product fibre optic cables in place, it is safe to say that the existing cables have been used up to points without stations and customers, and new requirements will need new fibre to be installed.

However, installing new fibre cables are expensive. To combat this, SG Tech, a local company, has now developed an alternative approach to the cables, offering a low cost and flexible solution to the problem while making it easier to upgrade the infrastructure.

SG Tech has already launched its Optical Fibre Channel (OFC) solution, allowing for immediate doubling of internet speed, as there is no need to install new cables. It can be installed within minutes, making it easy to upgrade and expand as needed.

The OFC solution is designed to operate in parallel with existing fibre cables, allowing for seamless integration and easy upgrade. The solution is not only cost-effective, but it also provides a reliable and stable connection.

Together with SG Tech, the product design has been extended further to include other points of interest, such as the monitoring of critical infrastructure. Various fibre data and information is transmitted reliably and accurately via short message service (SMS) before actual fibre backhauls are used, and SMS provides an automatic protection for reliability monitoring when the fibre breaks. Thus, users will be benefiting from the service continuously without any interruption.

Najib noted the market potential for OFCD to be among the cost savings offered by OFCD is noticeable.

"Our OFCD has been successfully deployed at major nodes such as TV, Cablecom and Meas. We anticipate these large nodes will continue deploying the OFCD in view of the high utilisation of fibre optic cables, especially in the metro area.

The OFCD solution is not only easily installed but also cost-effective, making it a viable option for residential and commercial areas. The solution is designed to be flexible and scalable, catering to the needs of various clients.

With the OFCD solution, users can easily upgrade and expand their internet speed without the need for additional infrastructure. The solution is compatible with existing fibre optic cables, making it a practical solution for existing installations.

HOW IT WORKS: OFCD works by using the transmission of data in two directions, simultaneously in the same fibre optic. This method of transmission is known as dual fibre optic transmission. The data is transmitted at a speed of 10 Gbps, making it suitable for high-speed internet connections.

In a typical OFCD solution, data is transmitted in two fibre optic cables, which are connected in a single system. The cables are transmitted in both directions, allowing for high-speed and reliable internet connections.

As OFCD technology is already being deployed in various countries, SG Tech is well-positioned to continue expanding its reach and offering its solution to more clients. With the OFCD solution, users can experience a reliable and fast internet connection, regardless of their location.

In conclusion, the OFCD solution is a practical and cost-effective option for users who want to enhance their internet speeds without the need for additional infrastructure. The solution is designed to be flexible and scalable, catering to the needs of various clients.

For more information on how OFCD can benefit your internet connection, contact SG Tech today.