

## PON Project Services is installing a GPON for Lend Lease's new 2,029-hectare residential community.

### Customer

Opticomm

### Location

Gold Coast, QLD

### Challenges

Opticomm's challenge was finding ONE contractor who could build a Gigabyte Passive Optical Network (GPON) across 2,029 hectares.

The Lend Lease and Opticomm team wanted an 'all-in-one' fibre optic cable installer who could design the network, bore under roads and along railway lines, and connect the fibre to the home.

### Our Solution

We are using 'in-house' technicians, boring machines, and equipment to build the GPON network. Our Project Manager has over 30 – years' experience in underground cable installations, which means he knows the most efficient way to build a fibre optic network on a large site.

The GPON installation is running to schedule and budget because we control the critical resources – skilled people and fit for purpose machinery.



Our work scope:

- Installation of pit and pipe infrastructure
- Fibre distribution build
- Construction of head end
- Fibre to the home (FTTH) connections
- Project management

By managing the complete GPON installation, we are making it easy for Opticomm to deliver high-speed Internet services to the 45,000 people who will call Yarrabilba home.

## GPON Design and Construction

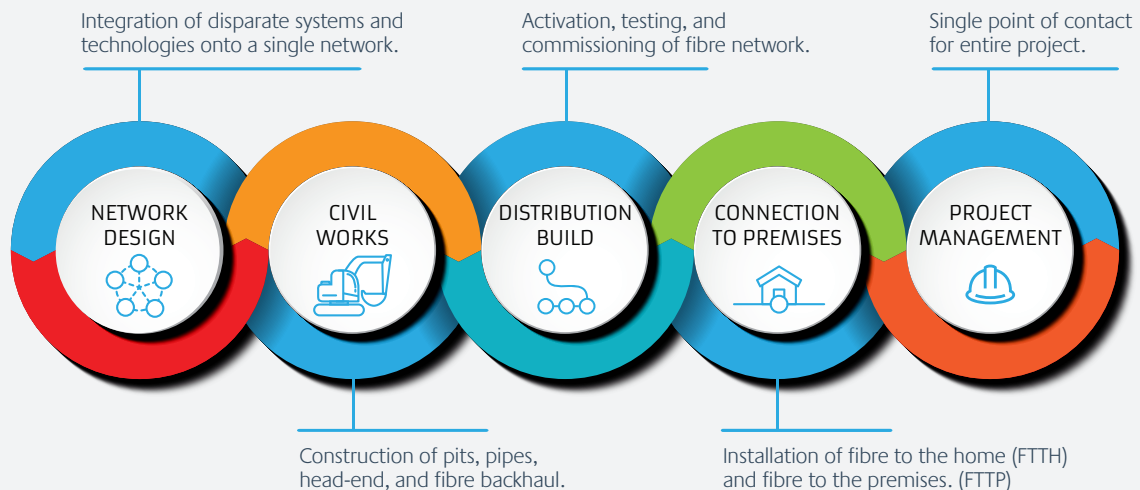
A Gigabyte Passive Optical Network (GPON) is a high speed – low cost telecommunications network. The high-bandwidth technology allows you to run multiple services, such as Internet, Telephone, Free to Air TV, Cable TV, Security, CCTV, and Building Management Services on a single fibre network.

### PON is the preferred network for residential communities because of its speed, reliability and low-cost.

#### The benefits of a GPON:

- **Faster and more reliable technology**  
because of the cable's higher bandwidth capacity
- **Lower cost of installation**  
from a single fibre and less infrastructure
- **Decreased power consumption**  
from passive (unpowered) optical splitters
- **Future proof**  
– scalable, add new services and technologies anytime

## We manage the complete GPON installation



We're building GPON's across Australia.  
Call us today to discuss your network requirements.



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