



## Wholesale Market

### Dark optical fibres at CSI Piemonte

Fibre optic infrastructure at your disposal



# Dark optical fibres at CSI Piemonte

The service consists of the sale to operators of exclusive rights of use over dark fibre connections built on infrastructure owned by Piedmont Region/CSI Piemonte and managed by TIM.

## Service features

Extension of infrastructure	Extension of infrastructure
<ul style="list-style-type: none"><li>Territorial Pacts - Province of Turin <b>438 km</b></li></ul>	<ul style="list-style-type: none"><li>Province of Novara <b>37 km</b></li></ul>
<ul style="list-style-type: none"><li>Piru - Province of Turin <b>10 km</b></li></ul>	<ul style="list-style-type: none"><li>Province of Novara <b>74 km</b></li></ul>

## Who is it for?

The offer is for fixed, mobile and wireless network operators who intend to implement:

- networks to connect two or more POPs together;
- connections for binding radio sites or end customers;
- regional backbones.

## Description of the service

Between 2004 and 2008, Piedmont Region implemented a project for the development of broadband in Piedmont called '[Wi-Pie](#)'.



Within the framework of this project and in particular with the implementation of 'Strategic Line 3 - Facilitate Access', the Region set itself the objective of encouraging and supporting the development of fibre optic access infrastructures in areas of the region that are disadvantaged in terms of availability of such infrastructures.

CSI-Piemonte (Information System Consortium), in its capacity as the implementing party of the various projects pertaining to 'Strategic Line 3 - Favouring Access' of the Wi-Pie programme, has issued a series of calls for tenders for the assignment of the 'turnkey' supply of a number of provincial dark fibre backbones.

TIM was awarded the following supplies:

- Province of Turin - 'Territorial Pacts' project and its extension 'PIRU';
- Province of Verbano/Cusio/Ossola (VCO) - 'Dome' project (Domodossola-Omegna backbone);
- Province of Novara - 'Line 3' project.



Learn more at [www.wholesale.telecomitalia.com](http://www.wholesale.telecomitalia.com)

# Dark optical fibres at CSI Piemonte

Having also obtained the concession for the management and maintenance of the above infrastructures, after handing them over to CSI-Piemonte, TIM has started to sign service contracts with IRU, on dark-fibre pairs, with authorised operators who request them.

Operators interested in acquiring Indefeasible Right of Use (IRUs) on the CSI-Piemonte optical fibres managed by TIM can contact their Account Manager.

## Fibre types and technical characteristics

The main technical characteristics of fibre optics are:

- attenuation;
- chromatic dispersion;
- the cut-off wavelength.

The ITU has standardised various types of optical fibres, which differ in their technical parameters.

The types of fibre optic cables used for these backbones are: ITU-T G.652 and G.655.

## Regulatory Conditions

The service is exclusively for:

- Operators with an individual license or a general authorisation for telecommunications networks and services for public use which existed before the entry into force of Italian Legislative Decree no. 259 of 1 August, 2003, containing the 'Electronic Communications Code' (referred to in Article 38 of the Code), as last amended by Italian Legislative Decree no. 70 of 28 May 2012.
- Companies with a general authorisation for electronic communications networks and services pursuant to Art. 25 of Italian Legislative Decree no. 259 of 1 August 2003, as last amended by Italian Legislative Decree no. 70 of 28 May 2012.

## Prices

'Infrastructure':	ROU 5 years	ROU 10 years	ROU 15 years
Territorial Pacts - Province of Turin	0.40 €/m	NA	NA
Piru - Province of Turin	1.90 €/m	NA	NA
Province of Novara	0.48 €/m	NA	NA
Province of Verbano Cusio Ossola - DOME	1.04 €/m	1.40 €/m	NA

Price list for private users

The prices in the previous price list are halved if the end user is a Public Administration (PA) or when the fibre pair off is required to connect general utility locations.



Learn more at [www.wholesale.telecomitalia.com](http://www.wholesale.telecomitalia.com)



# Wholesale Market

**TIM SPA**

Registered Office: Via Gaetano Negri, n.1 - 20123 Milano  
Sub-Office and General Management: Corso d'Italia, n. 41 - 00198 Roma  
Certified email box (PEC): [telecomitalia@pec.telecomitalia.it](mailto:telecomitalia@pec.telecomitalia.it)

Tax Code/VAT no. and Milan Company Register no.: 00488410010  
Entry in the Register of Producers of Electrical and Electronic  
Equipment (AEE) IT080200000799  
Share Capital €11,677,002,855.10 fully paid-up