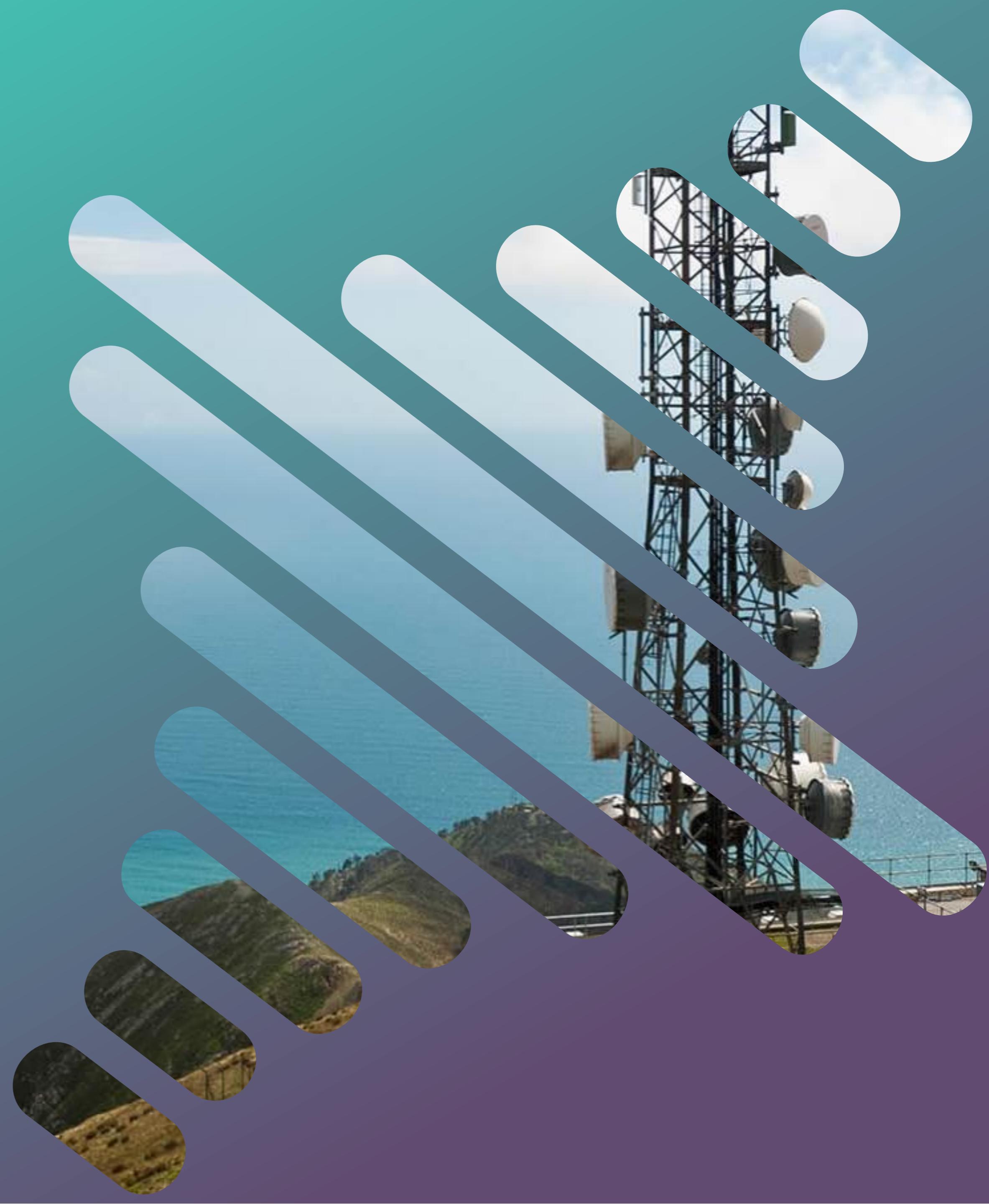


CEDERIS

Be Your Own ISP



white Paper





DECENTRALIZED COLLABORATIVE DISRUPTIVE WISP

INTRODUCTION PROBLEMS



The high cost of fiber for the home and the decline in Internet traffic over mobile networks have revitalized the demand for a disruptive alternative in broadband. Almost 60% of the world's population does not have Internet access, and of the remaining 40%, only half have connections of more than 20 Mbps. If we speak of rural environments, those who have internet, do so at no more speeds of 4Mbps, with our platform we want to break that barrier.

Through the Cederis platform, any person, entrepreneur or company can create their own ISP (Internet Service Provider) through wireless (WISP), using the most competitive standards such as LTE or Wireles 5G Fixed.

We put at your disposal all the necessary tools to do it without having to waste time in bureaucratic procedures, such as the creation of a company, or the management of licenses, or the search for contacts, and contracts with third parties, without the need to pay abusive royalties to franchised companies that only think about their own benefit and not about the entrepreneur.

By using the Cederis platform, you will use our ISP licenses, and all the tools to set up your main node and its deployment, among which, access to thousands of telecommunication towers around the world and Fiber Optic T1 dedicated for operators in your central.

Thanks to the union and collaboration between all and the incentive of our token, we will ensure the quality and continuity of the project and all the services.



“Cable technology
is not responding to high demand”



ORIGINS SOLUTIONS

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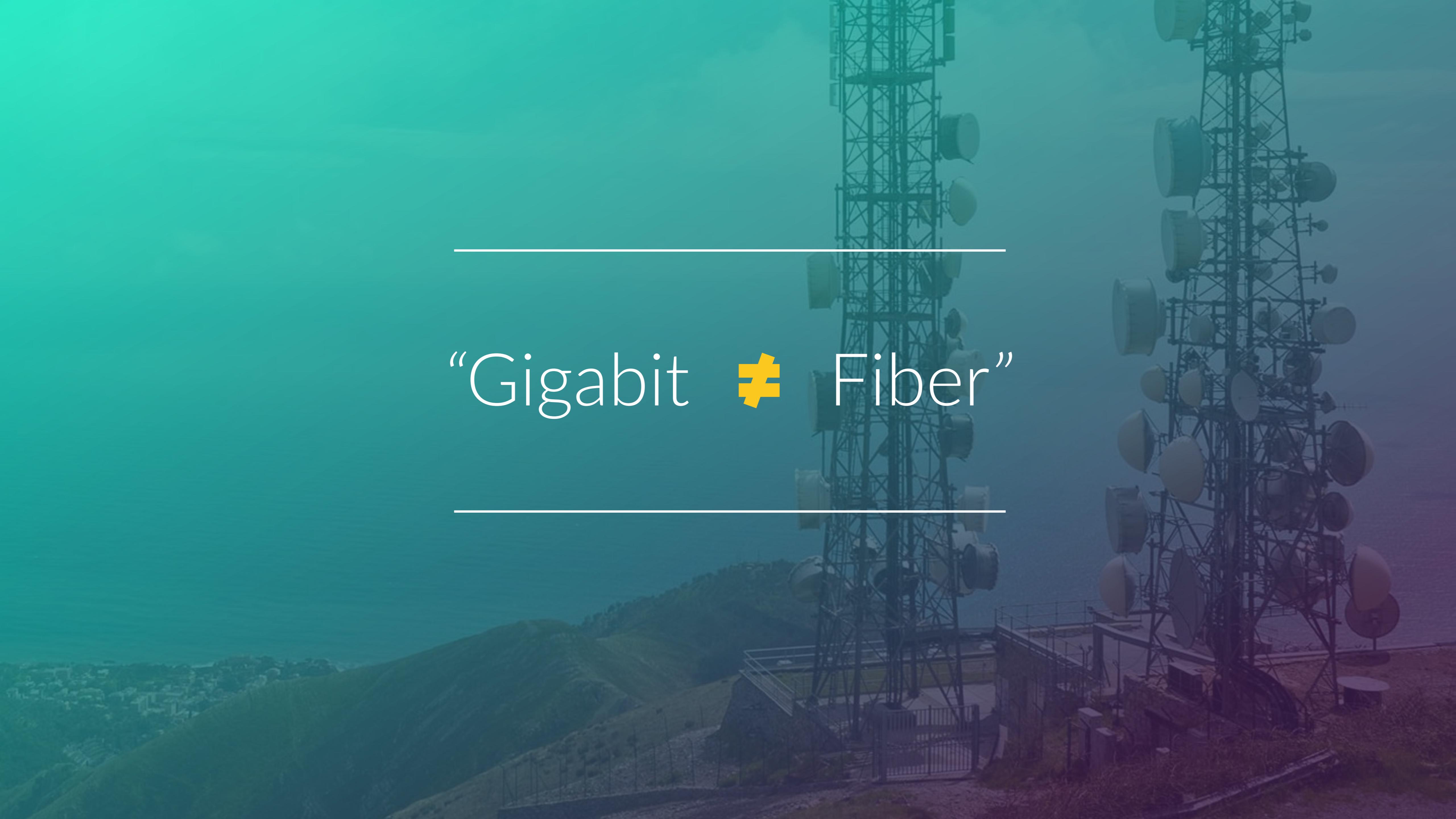
The initial idea was born in 2016, following the needs of entrepreneurs and companies in the sector of the telecommunications sector, as well as an additional service by user request.

Entrepreneurs and companies that call for distribution alternatives and franchisees to expand their business, than for the cost of royalties established by most companies, which are mostly unfair and / or high, and can not afford, in the end and after to spend tens of miles of euros in royalties, they have the feeling of working so that others get the whole margin and benefits.

Users, that in specific cases, needed to increase their bandwidth without having to hire a higher rate or we also find cases of temporary or holiday users who need Internet for a limited time, connecting to the nearest router (neighbor), in this way The neighbor sells part of your connection, or we increase your speed so that he resells you. So, why not also convert users into nodes and monetize them by selling their excess bandwidth?, Increasing the client's speed as their connected clients increase.

In cederis we allow entrepreneurs and companies to use our licenses and deploy the network through base stations. They only have to buy and install the equipment and we take care of the rest, fiber optics, towers / sites, platform with the global management of the network, etc.

With state-of-the-art LTE-5G Fixed devices, we bring the speed of the fiber through wireless connections, which reduces the high cost of fiber optic deployment. And thanks to the collaborative union between all and the incentive with our users through our token we can deploy the Cederis network anywhere in the world.



“Gigabit ≠ Fiber”

HONEST ISP

Together we make the network neutrality

Guaranteed Speed



Most providers offer a "guaranteed minimum" speed of 10% to 50%.
We guarantee 85% minimum.

No Restrictions



Without restrictions to traffic management practices.

No Bindings



We do not impose permanent or semi-permanent binding on users, in any of our services.



Data Privacy

We offer tools for users to protect their information (proxies, VPN, etc). We do not sell user data.



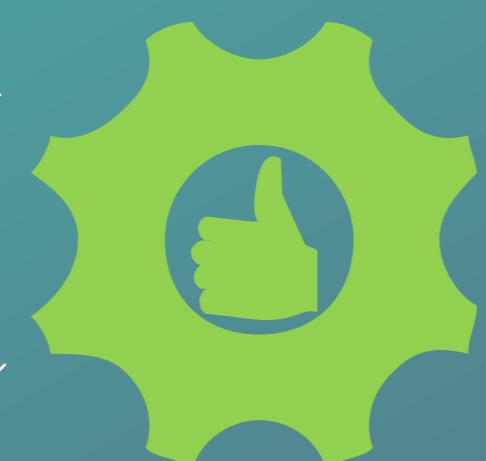
Cryptocurrencies

With smart contracts users can pay with most cryptocurrencies, avoiding waiting periods and busy paperwork.



Prices

As the network grows, the costs go down, and services become cheaper. Our prices will always stay low.





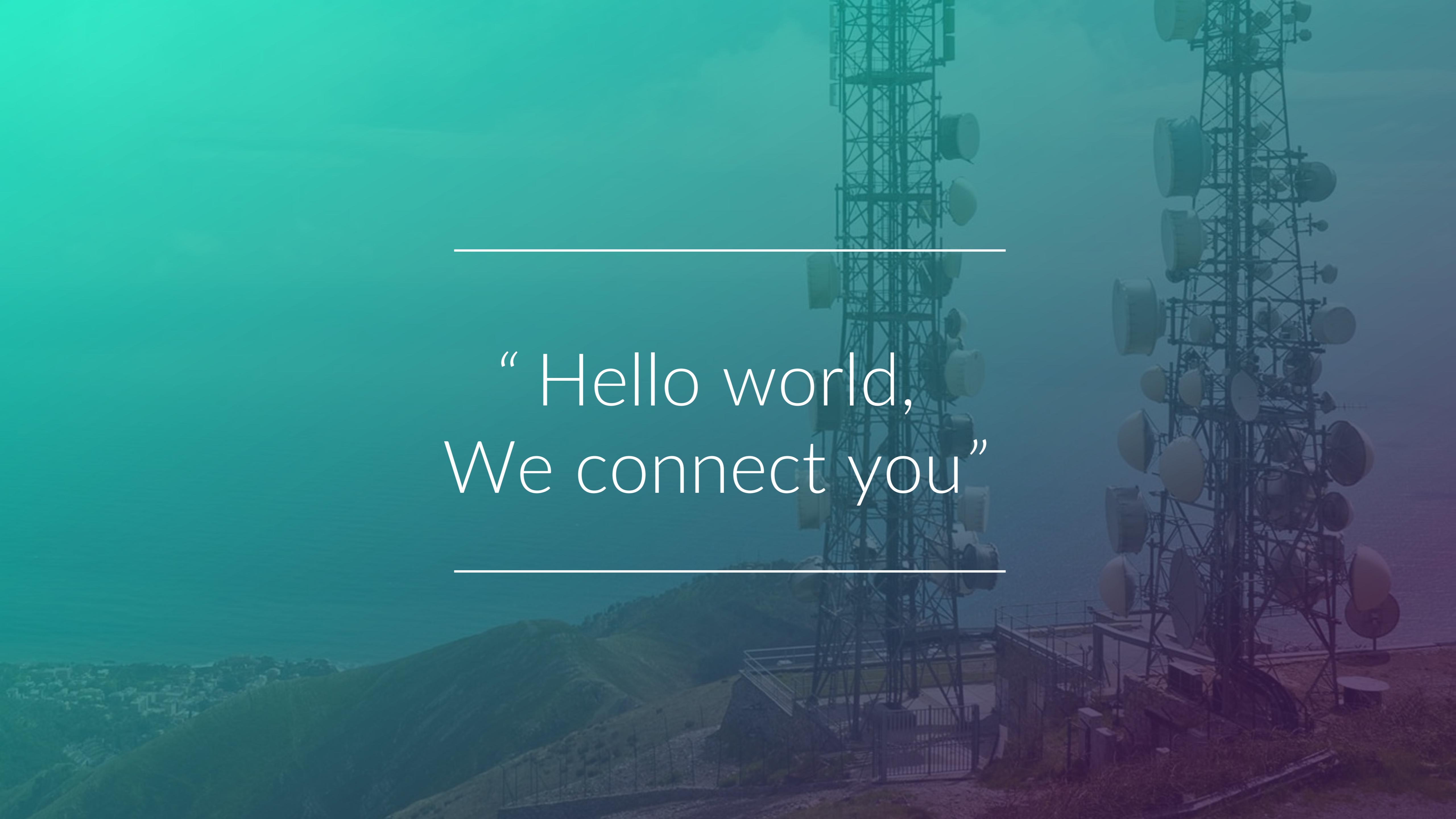
INTERNET INFRASTRUCTURE

Thanks to an agreements created over the years we have tools to bring quality bandwidth to any part of the world. We offer services consisting of Internet access, data transport and placement, all supported on fiber optic network.

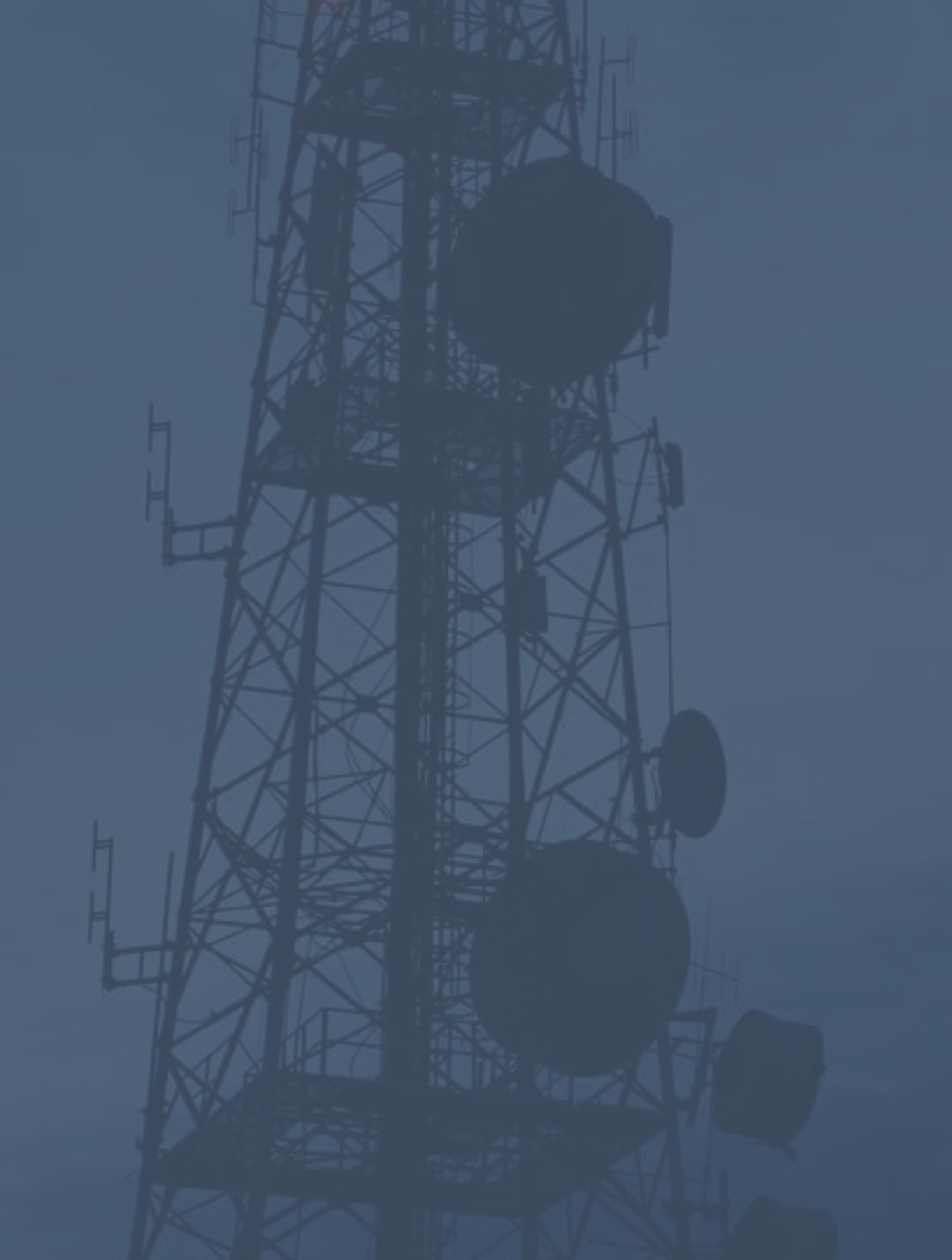
In addition to that, collaboration with national transport companies makes us capable of being able to carry bandwidth of Gbps anywhere.

With all this we can use a network of more than 300.000Km of fiber optics spread across 5 continents.

With the collaboration and distribution of users and companies we will create the largest 5G fixed wireless network in the world.



“Hello world,
We connect you”



TOWERS AROUND THE WORLD



We have access to over 150,000 telecommunications towers worldwide. Only in Spain we have more than 15,000 accessible towers, of which more than 9000 are located in rural areas, to be able to provide wireless service to the darkest areas. Over 70% of locations around the world are in rural areas.

In conjunction with the fiber optic neutral points and all the towers we have access to, we can offer high quality internet to almost any part of the world.

With the app “tower site locator”, you can look up tower locations in a multitude of ways

Tower Locations

Some European countries - tower numbers approx.



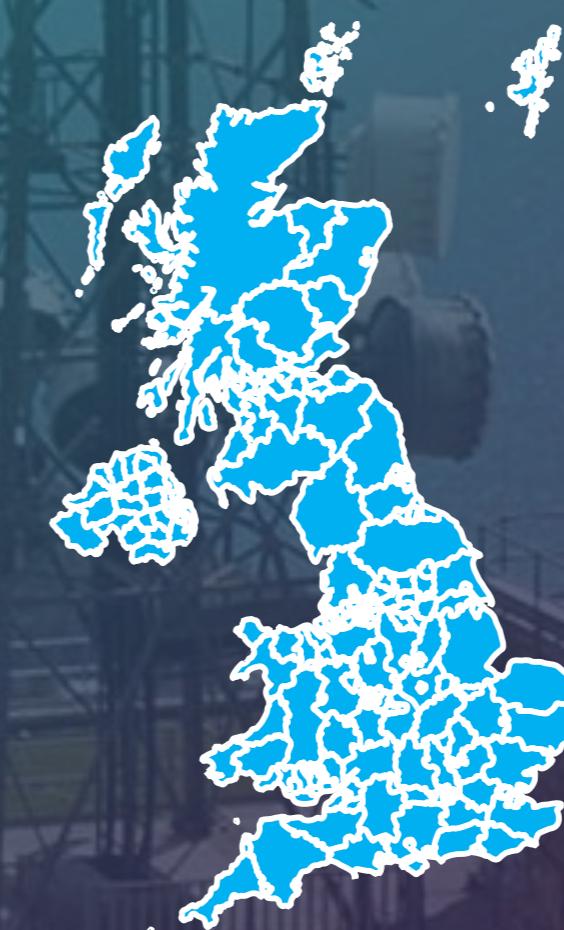
Spain
More than 14000
Towers around
 **5500** Urban Towers
 **8500** Rural Towers



France
More than 3000
Towers around
 **2500** Urban Towers
 **900** Rural Towers



Italy
More than 7000
Towers around
 **2631** Urban Towers
 **4746** Rural Towers



UK
More than 6000
Towers around
 **2100** Urban Towers
 **3905** Rural Towers



“New Spectrum Reuse Synchronization
(SRS)

technology delivers the future of 5G today”



The base stations are usually comprised of a minimum of 3 devices, either in towers, or in buildings, to provide coverage to municipalities, communities or suburban areas.

A minimum range of 6 km and with a minimum bandwidth of 1.5 Gbps per sector.

The new devices allow a massive scalability of subscribers and the scalability in the existing towers, as well as the easy expansion of new master nodes in the towers closest to potential customers, intelligently reusing the scarce resources of the wireless spectrum.

By implementing the new architecture, more sectors can be installed in the tower. And with the precise coordination of spectrum reuse synchronization (SRS), the capacity of the sector can be doubled or tripled without the increase in interference.

The main base station will be connected by vpn to the platform, where it will connect on all the stations it has and its clients.

Base Stations

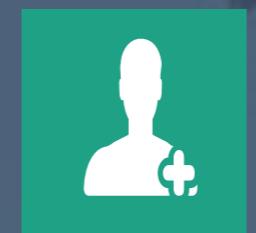
First scalable **Fiber Alternative**

Main Features



Max Throughput:

Up to 1.0 Gbps IP (1.7 Gbps PHY)



Client Capacity

Up to 100 - 120 per sector



GPS & SNS Synchronization

Systems to make synchronized measurements over extremely large areas and Spectrum Reuse Synchronization



Radios

Mimo - Modulation 4x4:4 MIMO OFDM up to 256QAM

Bandwidth 20/40/80 MHz channels

Routers

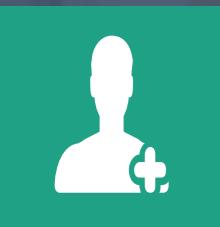
Monetize your internet

Main Features



Max Throughput:

Up to 1.1 Gbps



Client Capacity

256 Users per sector



HotSpot

Provides enterprise class wifi hotspot features.



Radios

Mimo 2x2 Double simultaneous band 2,4Ghz and 5Ghz
Bandwidth 20/40/80 MHz channels



We will allow domestic users to manage and resell their bandwidth.

With the platform, any user will know the status of your connection, the history of use, and if he wants, he can resell the surplus of your bandwidth to neighbors or friends.

We even give you the option to increase your bandwidth so that you can offer internet to your entire community.

All routers integrate their own operating system, based on the Linux kernel that will connect to our platform via vpn where it will manage if you want to install,

In this way a user has the opportunity to monetize for their bandwidth and also become their own ISP.



Cost Balance Table

Costs / Revenues

ITEM DESCRIPTION	COST	ONE FEE	MONTHLY	REVENUES
*Fiber T1	€1500		×	
Tower	€375		×	
**Node (Base Station)	€5000	×		
***Subscribers (300 UNITS)	€29700	×		
****Clients (300)				€7500
*****Installation Fee (300)	+ €29700			
*****Router (Node)				
TOTAL		€5000	€1875 Monthly	€7500 Monthly

* Fiber to start at 500Mb/500Mb, scalable up to 10GBps

** Base Station with 3 x Aps 1,5Gb each one + 3 Sector Antenna + 1 Routerboard SFP+ 12 Core up tp 10Gbps

*** The price of each one supplied with installation fee, we can buy for boxes with 20 clients each box

**** Total clients for 3 x aps, with the medium tariff 25 euros.

***** Installation fee = cost of the subscriber 99 euros

***** Basic Router 25 Euros, up to 125€, its depends on the model

Competitors

Tariffs / Prices

COMPANY	RATE / SPEED	RATE / SPEED	RATE / SPEED	RATE / SPEED
CEDERIS	19,95€ - 5Mb/5Mb	24,95€ - 10Mb/10Mb	34,95€ - 20Mb/20Mb	39,95€ - 30Mb/30Mb
COMPETITOR 1	36,58€ - 2Mb/128Kbps	46,85€ - 4Mb/256Kbps	79,46€ - 8Mb/1Mb	91,96€ - 10Mb/1Mb
COMPETITOR 2	39,80€ - 1Mb/1Mb	62,80€ - 2Mb/2Mb	✗	✗
COMPETITOR 3	20,57€ - 3Mb/1Mb	22,38€ - 4Mb/1Mb	24,20€ - 6Mb/1Mb	✗
COMPETITOR 4	✗	25€ - 10Mb/2Mb	79,46€ - 8Mb/1Mb	39,90€ - 30Mb/3Mb
WIN	CEDERIS	CEDERIS	CEDERIS	CEDERIS

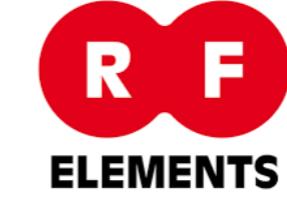
* Our Speed are symmetric / full duplex. Our mission is arrive to 100Mb/100Mb at final 2018

** Competitor 1 focus in our region, the rest competitors is around Spain. Wisp companies

*** As our customer network grows, we lower prices, and make sure we are the most competitive

The Partners

We have agreements

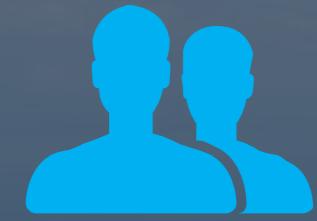


The background of the image shows a large, multi-tiered telecommunications tower situated on a grassy hillside. The tower is covered in numerous white and grey parabolic satellite dishes of varying sizes. In the distance, a coastal town with buildings and roads is visible along a shoreline. The sky is overcast with a hazy, blue-grey tint.

“ Demand + Scalability
= Opportunity ”

Cederis Platform

All that you need **in one**



Multi Access

Access roles according to departments and permissions



Management

You have complete control of entire network & administration.



Secure

VPN AND HTTPS
Secure access from anywhere



Support

Tickets, incident geolocation, BackUp, billing, contracts, etc



Multilanguage

You have all applications and interfaces in multiple languages

The Cederis portal will be available for all applications available to users and / or companies that want to be part of the network and benefit from it.

Once you have your master node or node, you only need to download and install the applications to start managing your client network.

With Cederis you have 24/7 support for any need, with our platform, you will not need programming knowledge, once you are familiar with the software you can manage everything with a click.

Build Your Network In 6 Steps

Monetize your Bandwidth



Sign in

Sign in into our portal to access all applications and tools



Download Files

Download the necessary files for node or for master node.



Install Files

Install files on router board if is a node, or a PC if is a master node



Book Location

If you are a master node, book your place location.



Smart Contract

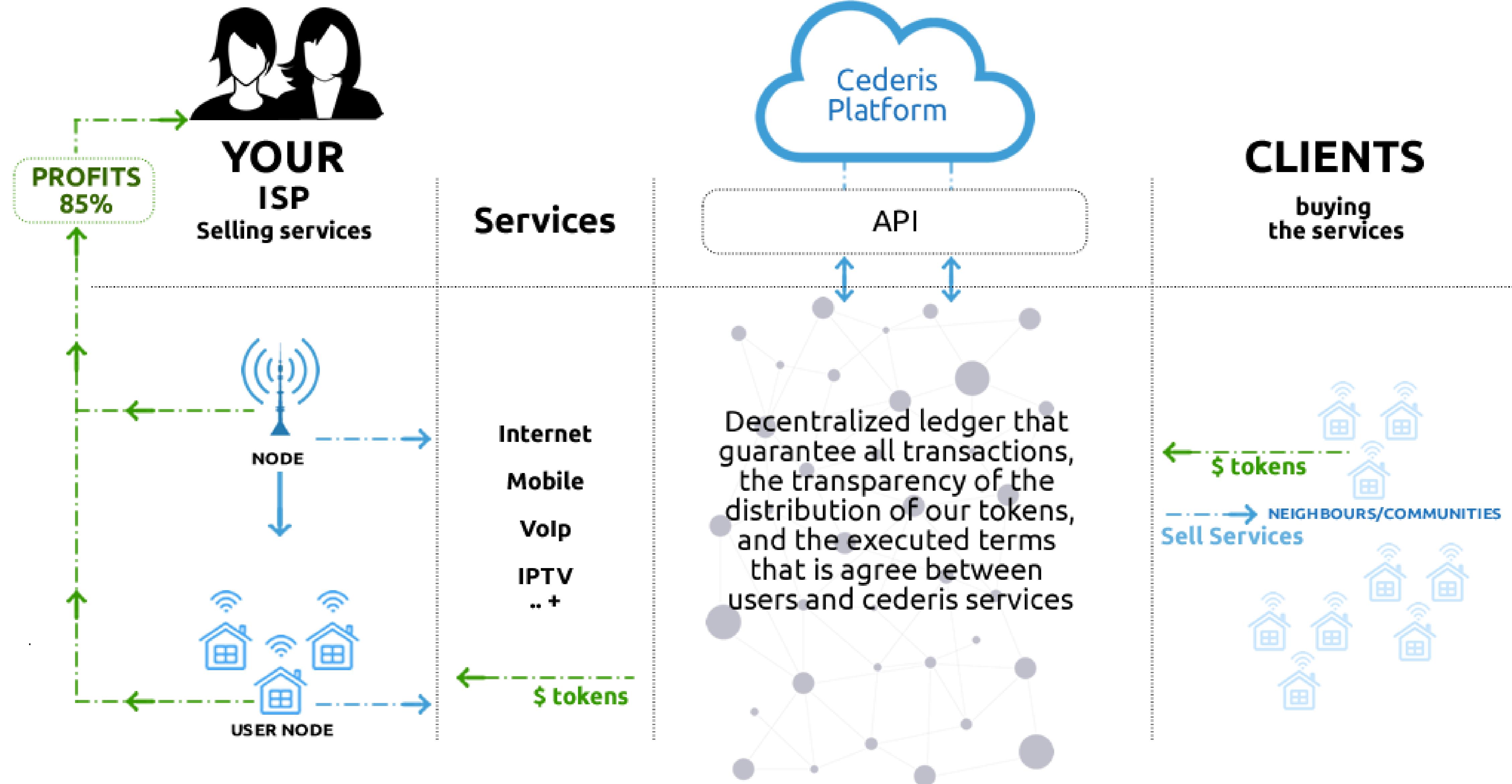
When terms are met, the smart contract will execute.



Start

You can start selling / buying bandwidth and other services inside cederis network

How it works





LEGAL LICENSES

.....

We have all the licenses to operate as ISP - WISP and we also have the necessary licenses for mobile phone operator

Each user of the network through the platform will act as one more node of the network, making use of our licenses.

Any user can use our application for the sale of their bandwidth, in most countries ISP do not allow the sale of the service to third parties, for that reason we are not responsible for the users who use the platform and / or our token cederis to resell a bandwidth that is not owned by the Cederis network or is prohibited from third-party assignment or resale.

The cederis nodes can be certified from the platform and the applications.

ICO

Cederis Token

Token Name

Ceder / Symbol: ISP / Erc20

What does cederis Token represent?

All holders of Cederis tokens have the right to obtain dividends according to their participations.

Total Supply

The same that collect on ICO. Max 100.000.000

Reissue

No, once the ico finish we will destroy the unsold tokens

Min. Target ICO

50,000\$

Accepted Coins

BTC - ETH

Exchanges

On Q3 in differents exchanges

If the ico does not reach the required minimum, all transactions will be returned to each investor

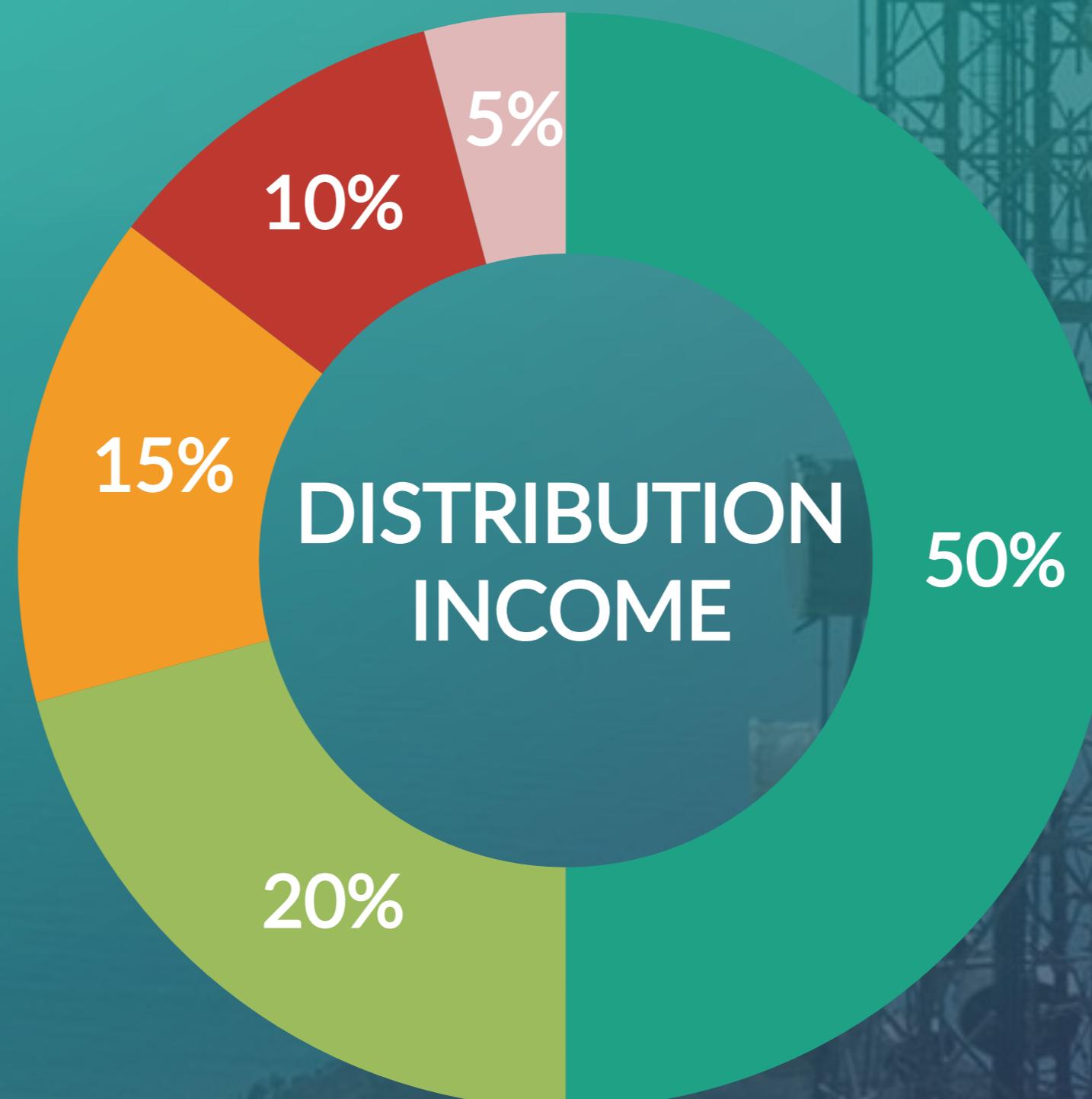
ICO

Distribution Token sale and How to use

ICO DISTRIBUTION

ICO
100%

Token Sale

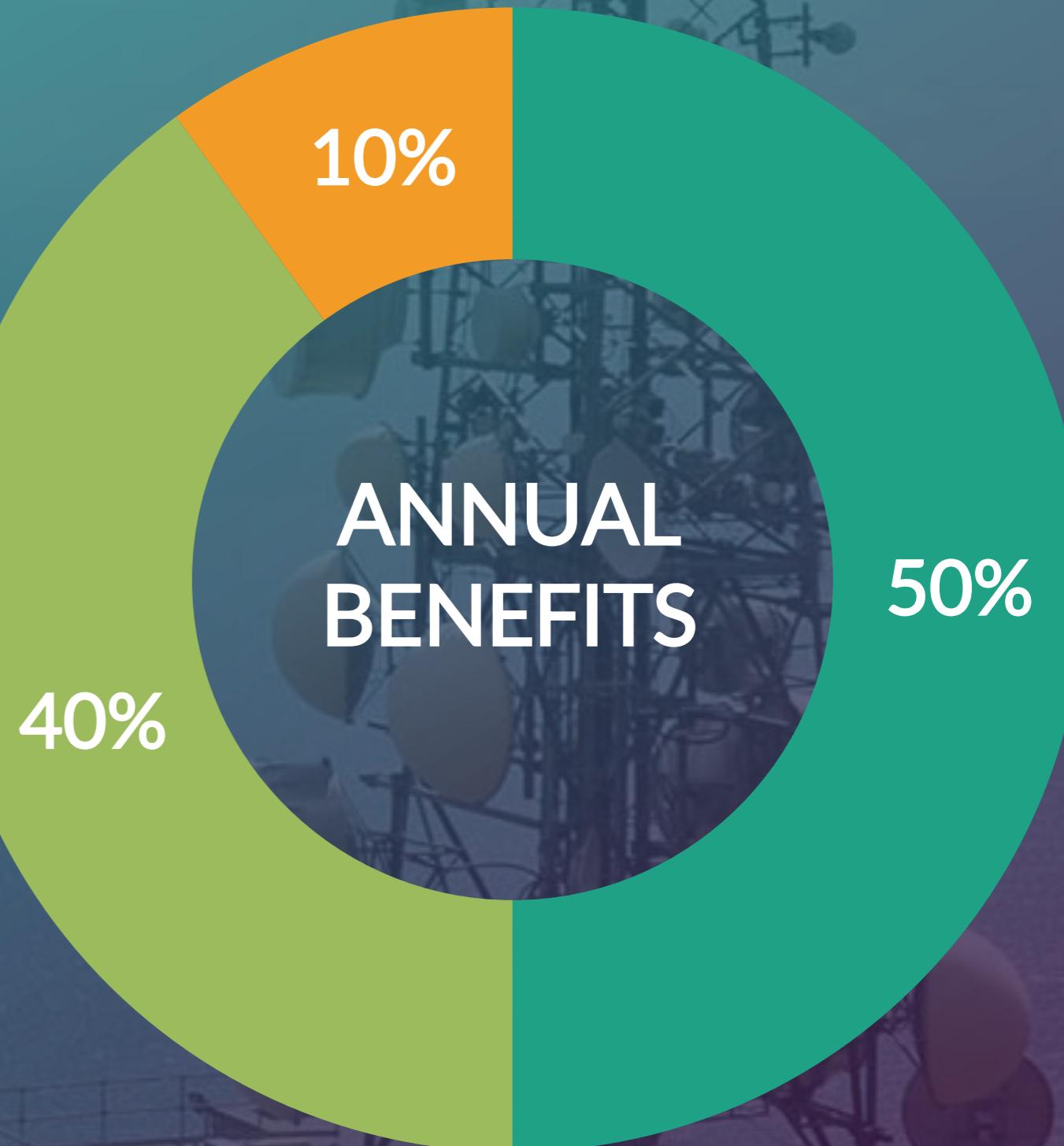


Nodes & Master Nodes
Infrastructure
3% Team + 2% Legal

Development
Marketing

ANNUAL BENEFITS

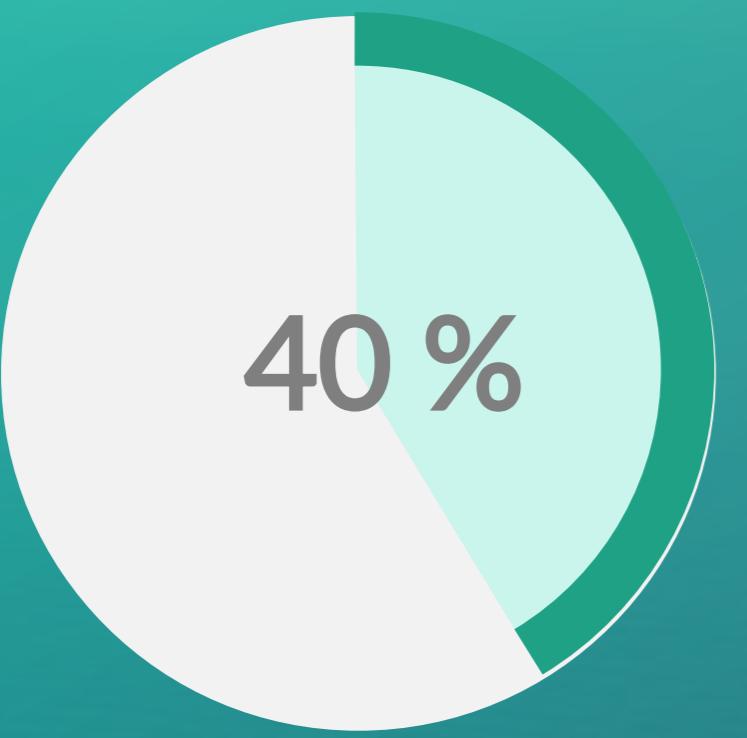
40%



Cederis Investors Purchase Tokens

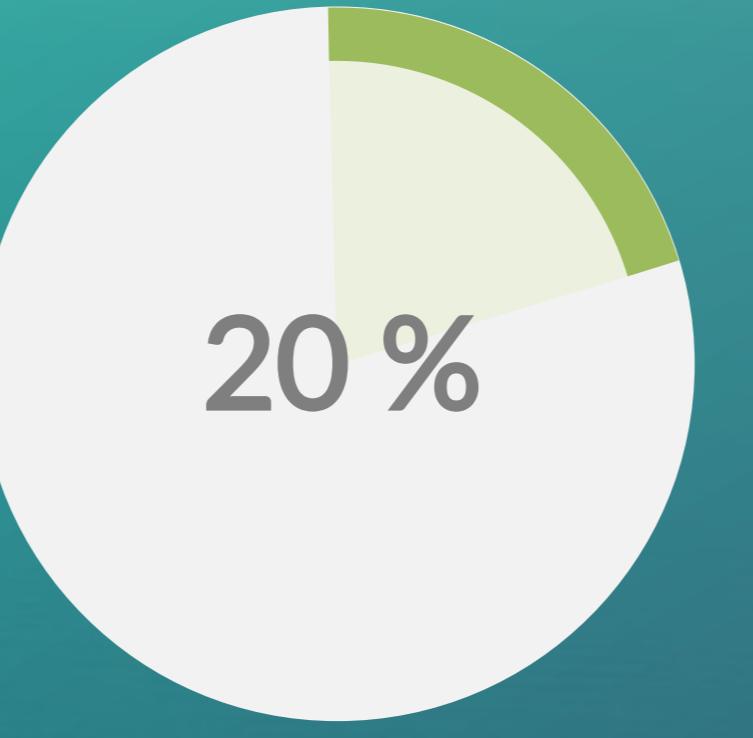
Bonus Token

From 40% Bonus and annual benefits



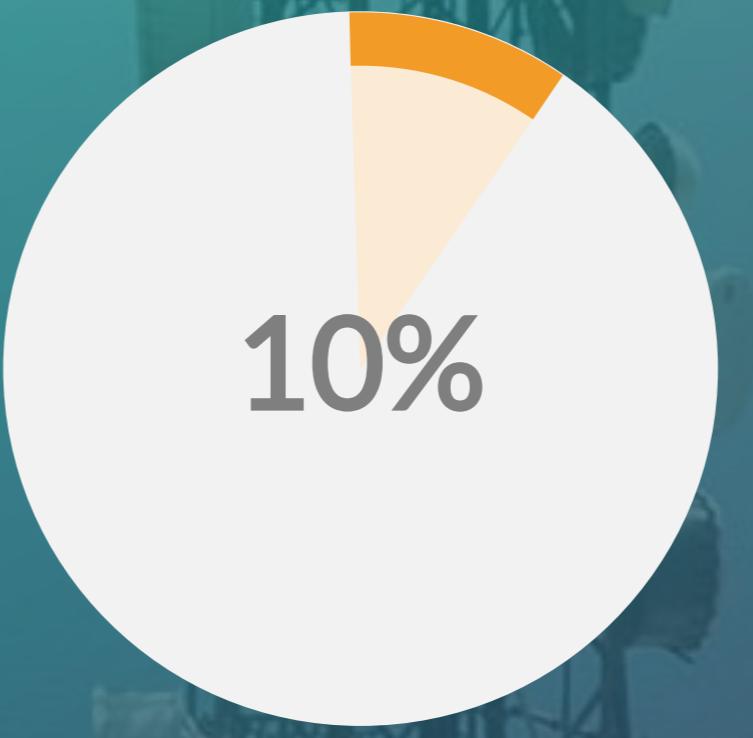
16th – 28th January

0,06 \$ per Token
+ annual benefits



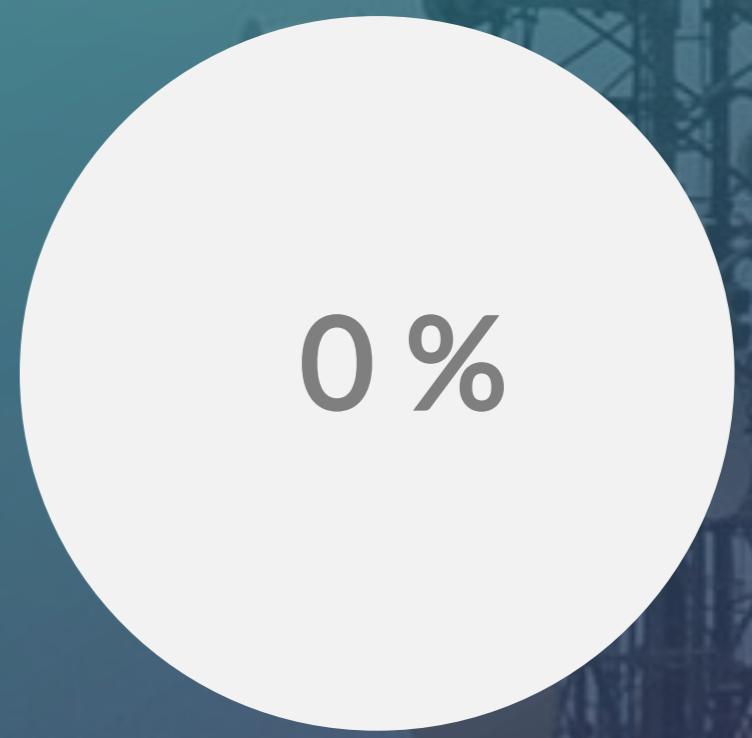
29th – 04th - February

0,08 \$ per Token
+ annual benefits



05th – 11th February

0,9 \$ per Token
+ annual benefits



12th – 18th - February

0,10 \$ per Token
+ annual benefits

All unsold coins at the end of ICO will be destroy – burn and no issue more tokens

Roadmap

Timeline



Q4 2016

IDEA

- Idea.
- Design of the complete software WISP management



Q3 2017

Phase 1

- Completion of Civil Works and commissioning of our own T1 Fiber dedicated in headquarter
- Completion of software for complete WISP management
 - We created Cederis.io



Q1 2018

ICO

- Launch ICO 16th January
- Platform : Ethereum
- 100.000.000 Ceder Tokens created
- Bonus up to 40% for early investors and annual benefits for all investors.
- Q3 on differents exchanges



Q1 - Q2 2018

CEDERIS PORTAL AND FIRST 5 to 10 NODES

- The first 5 nodes will be installed strategically in populations with more than 5000 population where fiber optics do not currently exist. The nodes will be installed in the provinces of Galicia.
- Depend of the raised, we install 5 more nodes, making a total of 10 operating nodes by the end of 2018

- Cederis portal design
- Ripe ips, DNS,



Q3 2018

PLATFORM TEST

- Test of the cederis portal for users and investors. Smart contracts, for the implementation of the voting system and payment gateway of our token on the platform



Q4 2018

PLATFORM LAUNCH

- Launch cederis platform.



Q1-Q2 2019

GLOBAL DEPLOYMENT

- Acquisition of licenses for the first European, E.E.U.U , Central America and South America countries where users can deploy nodes

Targets



+5.000.000\$ Q1 2019

ISP Global deployment
lisences for countries around:
Europe, EEUU, South America and Central America
Ideas, new projects

1.500.000\$ Q4 2018

MVO LICENSES
Create Sim Cards
ISP lisences for first european countries

150.000\$ Q1 -Q4 2018

10 Nodes

50.000\$ Q1 -Q4 2018

Min Target
5 Nodes
Platform Design

How to Invest?

- 1.- No use exchange wallets address
- 2.- If you invest with erc20 wallet, we send to this address the tokens.
- 3.- If you invest in BTC, you must send to us an erc20 / ethereum wallet to deposit your tokens
- 4.- Once you invested, you must send to our mail tokens@cederis.io this information:

Name, Last name, Email, transaction ID, invested amount and erc20 / ethereum wallet to receive your tokens

Cederis Escrow address to invest:

For BTC : 3FLtCEZ76RBZyKTXrc58CaiyWgDjMjXvkt

For ETH : x000E29F78f91F56ac39412eD152A92c56759485c

ESCROW: SebastianJu Bitcointalk

ONLY invest after reading the escrow terms regarding how to invest so that in case of refund can happen for you because you sent your investment provable. Check the safety I can provide, the refund terms and the refund fees, including the minimum refund fee: ##### [Link to escrow terms #####](#)"



RISKS / ESCROW



Because Cederis is an existing business, which is not a project to be created, the risks are minimal. Our goal is expansion through deployments in the main cities of our country by 2018 and Global cities by 2019.

To offer our investors security and attractive conditions our token has a double purpose,

- 1.- Sell / Buy in the main exchange houses
- 2.- Receive dividends annually. 40% of the profits will be distributed among the investors depending on the percentage of tokens that each investor has acquired in the ico, independently if they sell them once they are in the exchange offices. 10% of the profits will be destined to buy Cederis token to revalue its value.

During the ICO the funds will be blocked by escrow, being partially released to fullfit each objective

The Team

Meet [us](#)



JORGE J. FARRÉS

CEO & FOUNDER / PROJECTS MANAGER

Wireless networks security expert.
Projects and network deployment
manager. Blockchain enthusiast.



MIGUEL CIVIDANES

NETWORK DEPLOYMENT MANAGER

Master nodes deployment manager and
Fiber Networks. Systems administrator
and VoIP expert. Microsoft & IBM



HIPOLITO GONZÁLEZ

DEVELOPMENT LEAD

Open source software developer. web
applications and RouterOS API developer.
Web server administrator.



ANDRÉS G. PIÑON

TECHNICIANS MANAGER - MVO LEAD

Technicians manager. Occupational
risks manager in height.
Electromechanical. MVO manager.



+ 8 More

Advisor

Blockchain Advisor



FRANCESC ROCA

BLOCKCHAIN ADVISOR

He studied at the Polytechnic University of Catalonia. Higher Technical School of Telecommunications Engineers in Barcelona.

Works as Cisco CCNP for Tsystems in LAN / WAN / WLAN deployments development.

As an engaging public meetup speaker and blockchain writer, frances makes complex subjects accessible and easy to understand. As an advisor, he helps startups recognize, evaluate and navigate security and business risk in blockchain ecosystem.



Referrals

References



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<https://www.cellnextelecom.com/>



<https://mikrotik.com/>



<http://www.cogentco.com>



<http://www.level3.com/en>



<http://en.jirous.com/>



<https://www.rfelements.com/>

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Contact Us

For any question or suggest, please contact us



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09:00 to 17:00 UTC



www.cederis.io