http://www.Tree-Talk.com
info@Tree-Talk.com

TreeTalk

Instant Voice Telecommunications:

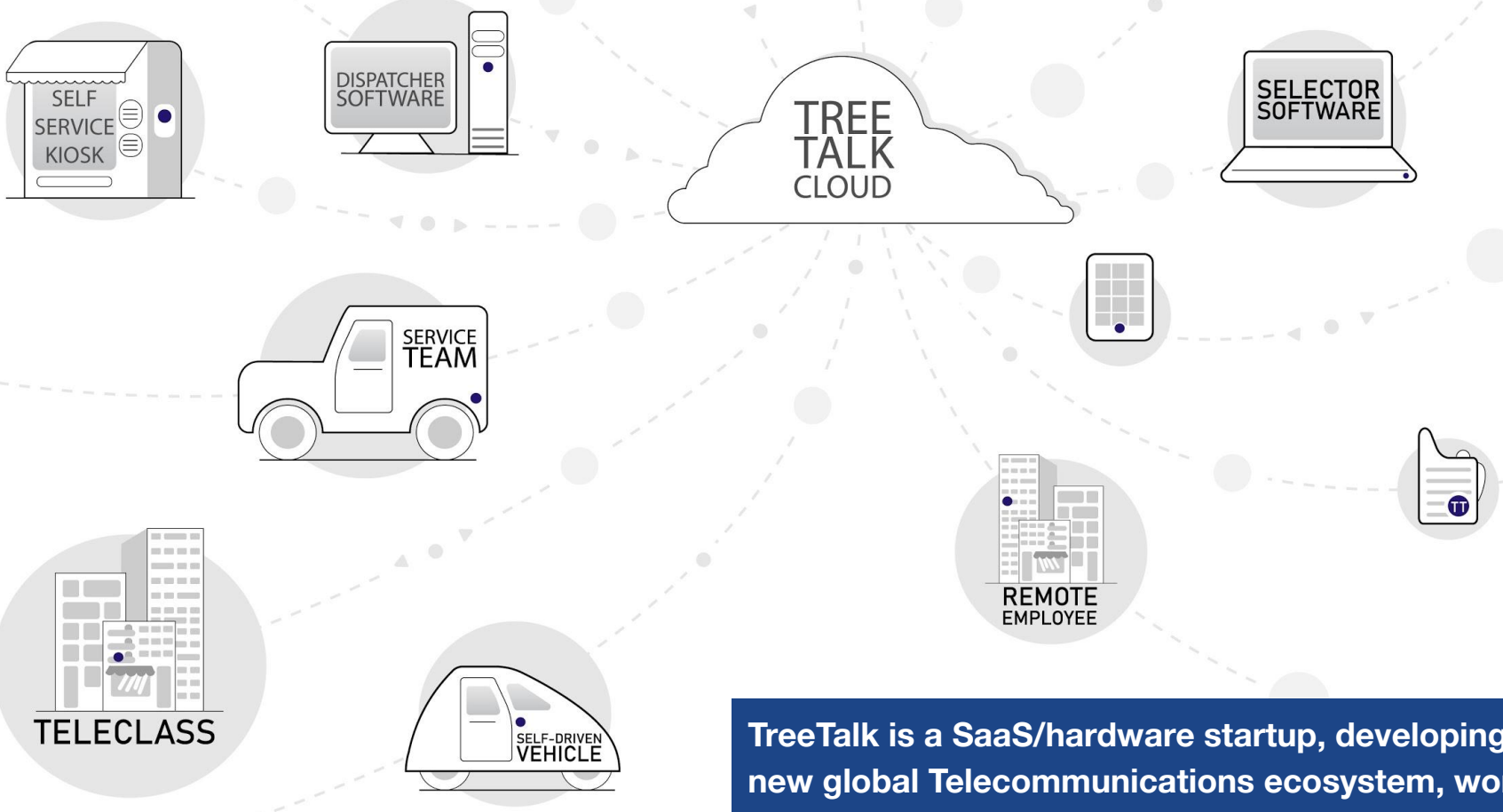
Supported by:

KRITBI

FASIE

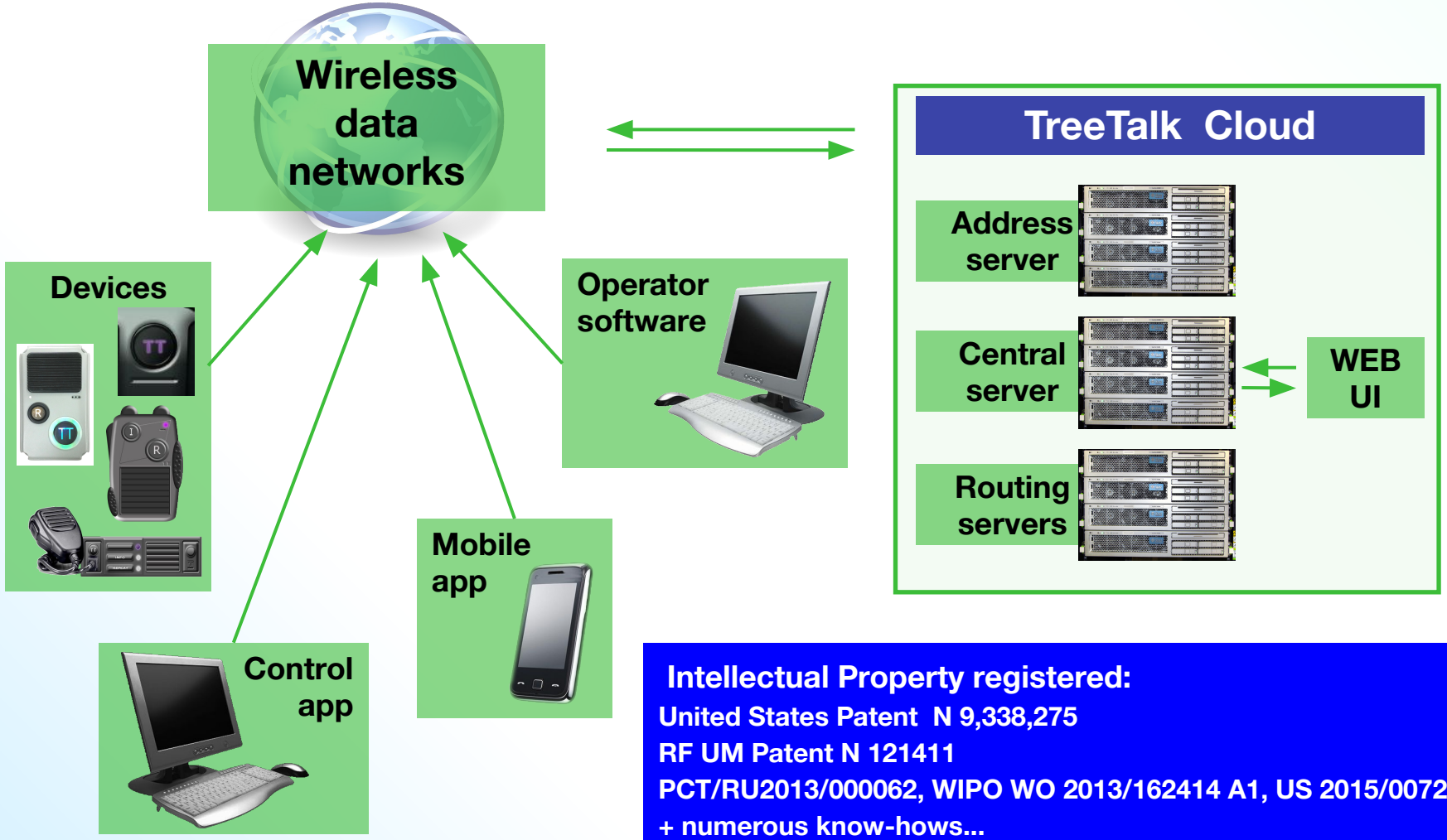
Microsoft BizSpark Startup

TreeTalk Telecommunications Ecosystem. Overview



TreeTalk is a SaaS/hardware startup, developing a new global Telecommunications ecosystem, working under the paradigm of constant connection and instant voice calls.

TreeTalk Telecommunications Ecosystem. Infrastructure



Intellectual Property registered:

United States Patent N 9,338,275

RF UM Patent N 121411

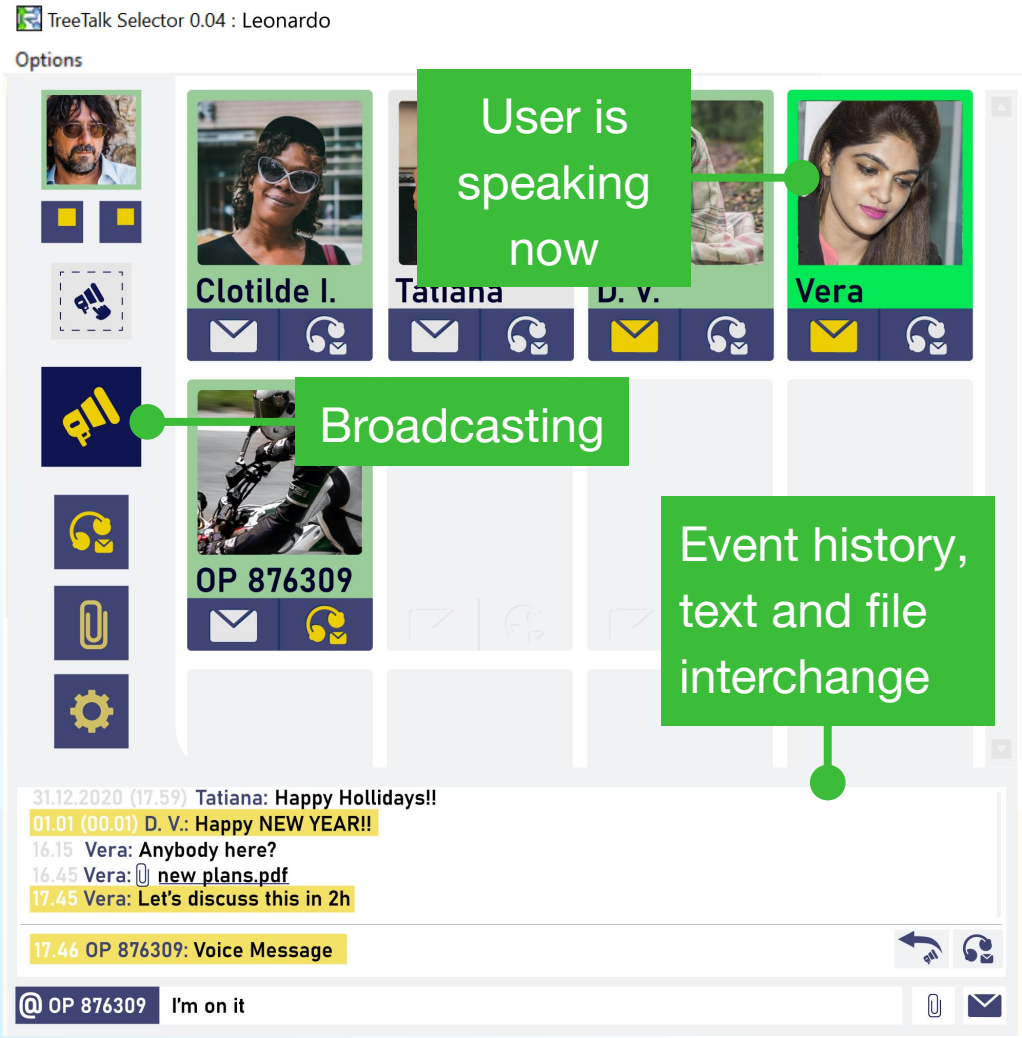
PCT/RU2013/000062, WIPO WO 2013/162414 A1, US 2015/0072724 A1

+ numerous know-hows...

Dispatcher Mode Definition (Selective Call)

Group Call Mode Definition (Public Address)

TreeTalk Selector Software.
Main Window - Smart Working Mode



Installing the TreeTalk Selector application on a personal computer allows you to be in the **constant connection with group**.

Main features:

- **Instant voice communication (selective call) at the push of a button**
- **Broadcasting (public address)**
- **Text messages (chat) and file interchange**
- A **simple and convenient interface** allows you to use most of the functions from a single window
- **Visual and audible alerts** remind you of a missed (unanswered) call

More info:
http://tree-talk.com/wp/treetalk-selector-as-a-new-software-solution-for-effective-collaboration/

TreeTalk Selector Software. Presentation / Education Mode

- Any scanned image or photo, even a photo of a familiar blackboard, can become a teaching aid in the **image demonstration mode**
- **Voice functionality** allows you to poll specific students in private conversation mode or broadcast to the entire audience
- The duration of the session is **unlimited**
- TreeTalk **protocol is super modest and undemanding** to data networks. Even slowest 2nd generation (GPRS / EDGE) works well

More info:
http://tree-talk.com/wp/treetalk-selector-as-a-new-software-solution-for-effective-collaboration/

TreeTalk Selector Software. Contact Window

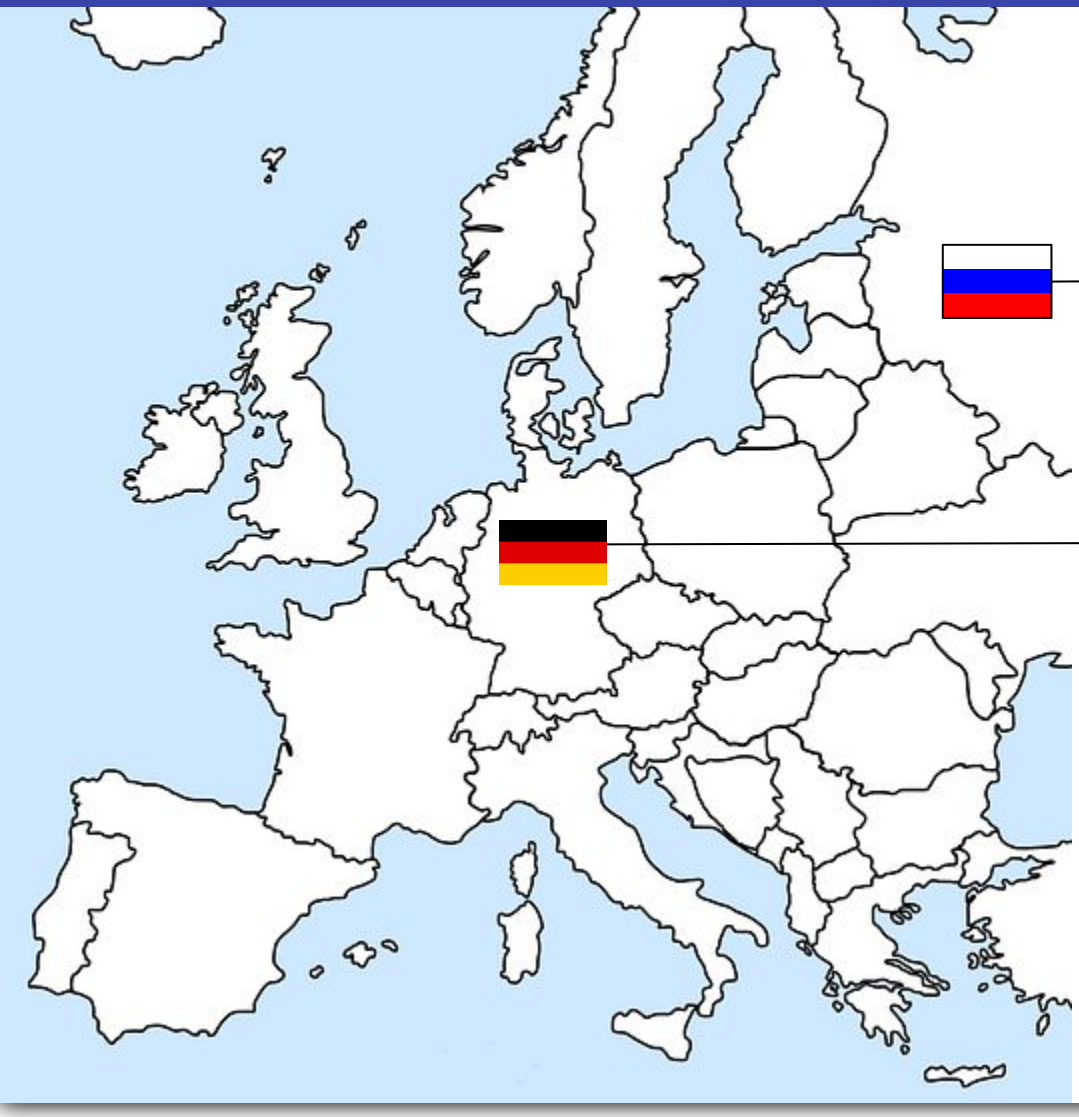
We used to develop our products primarily for professionals, so **privacy and communication security** is our absolute priority.

We do not store your personal data, files, voice and text messages on our servers. All information is stored only on your devices, and you can dispose of it at your discretion.

All transmitted information is protected by strong end-to-end encryption (where encryption laws allow).

More info:
http://tree-talk.com/wp/treetalk-selector-as-a-new-software-solution-for-effective-collaboration/

GDPR Compliance



TreeTalk platform instances deployed

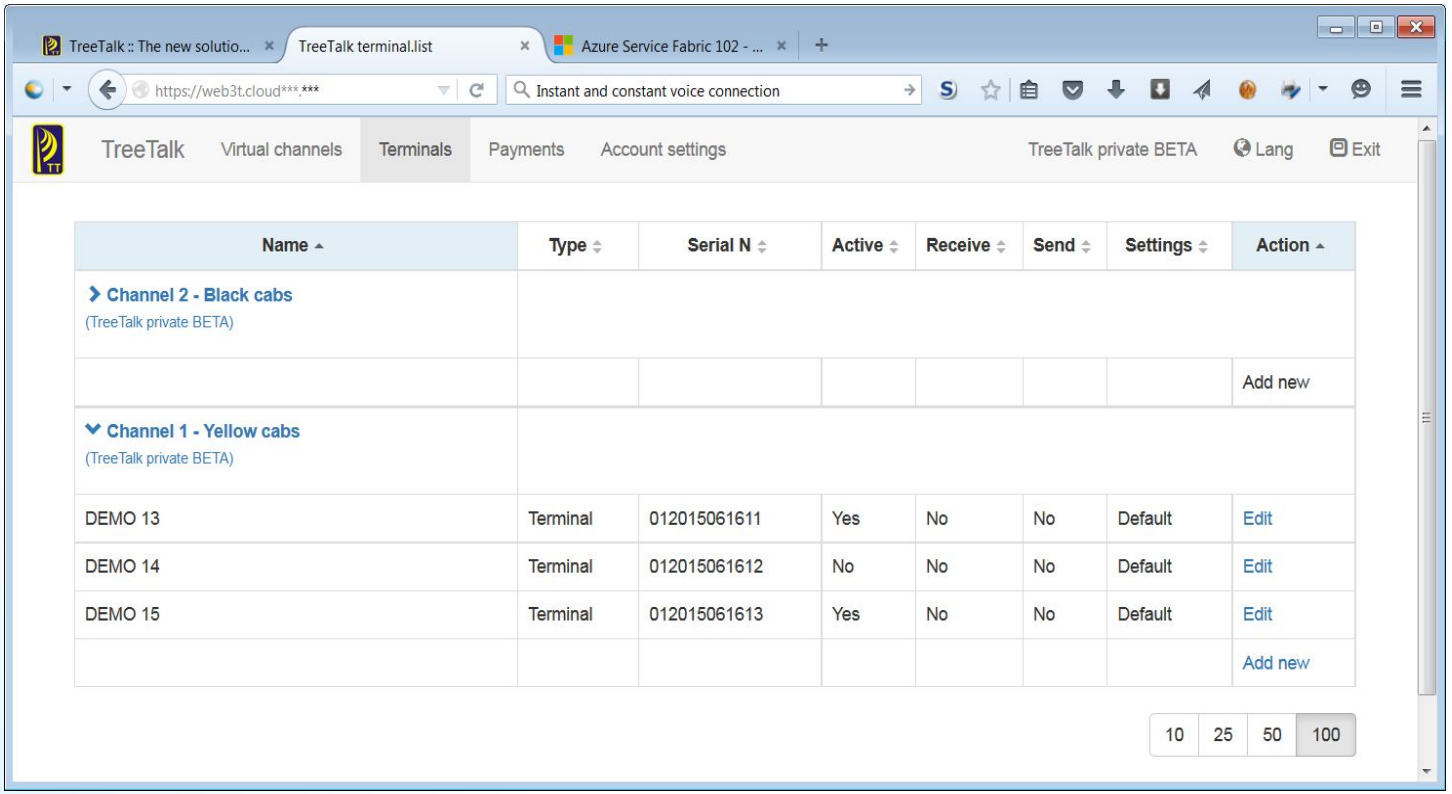
Moscow, Russia

Nuremberg, Germany

panel.tree-talk.com
Login: demo
Password: demo12345

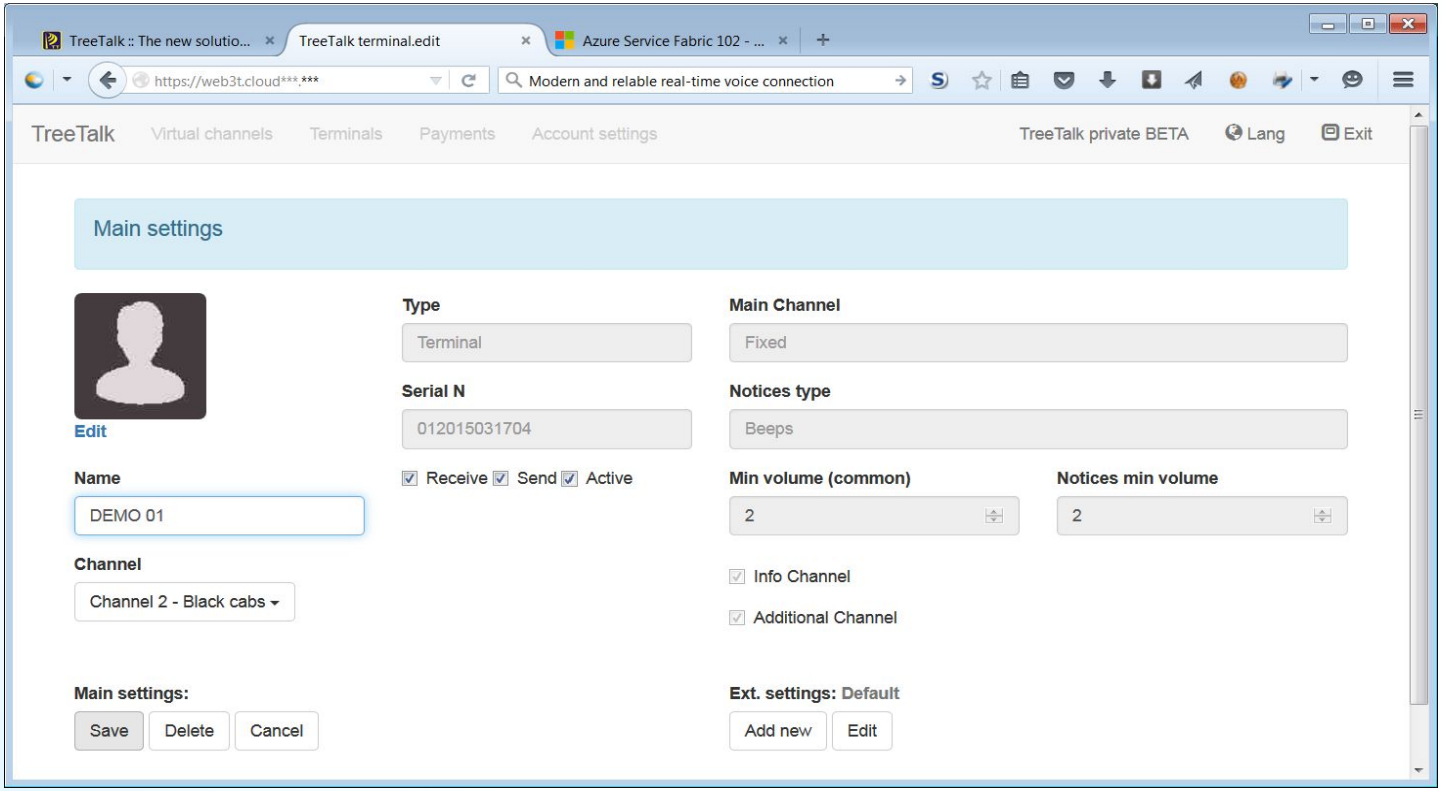
TreeTalk Ecosystem. Web Front End.

Protection against unauthorized access to the group (virtual channel). Only the administrator has access to the web control panel and is able to add a user to a particular group.



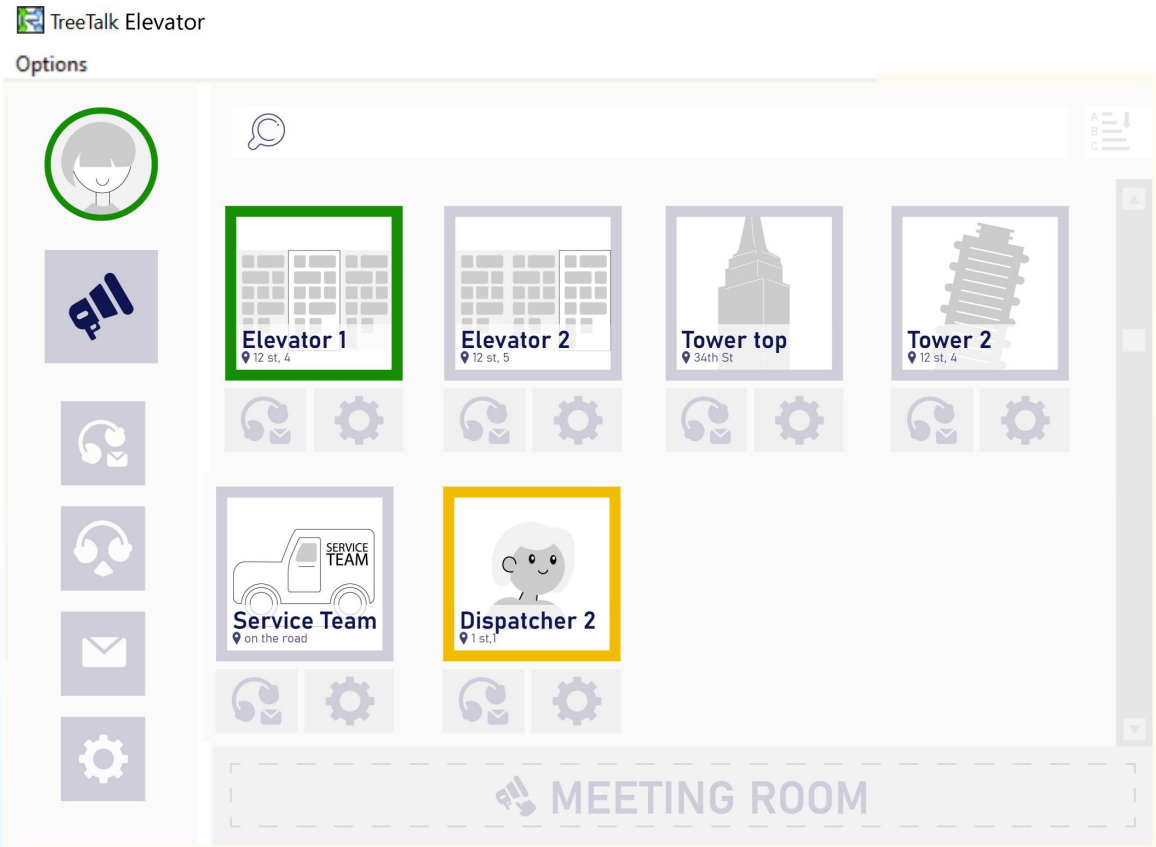
TreeTalk Ecosystem. Web Front End.

It is impossible for two users with the same login (as well for cloned applications) to work simultaneously in the system (even in different groups).



TreeTalk Dispatcher Software.

The **application is compatible with other TreeTalk programs and devices**.



More info:
http://tree-talk.com/wp/universal-communicator-plus-support-panel/

Examples of Compatible Devices

(workable prototypes / MVP stage)

The virtual channel may include, for example, a car/handheld communicator, an intercom, or a communication panel in a warehouse, laboratory, or shop.

ISO 7736 / DIN 75490 compliance

The Terminal One

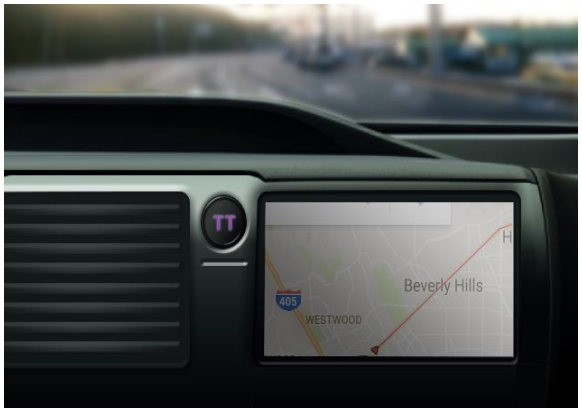
TreeTalk Universal Communicator plus Support Panel

TreeTalk Intercom

http://tree-talk.com/wp/universal-communicator-plus-support-panel/

Examples of Compatible Devices

(in development)

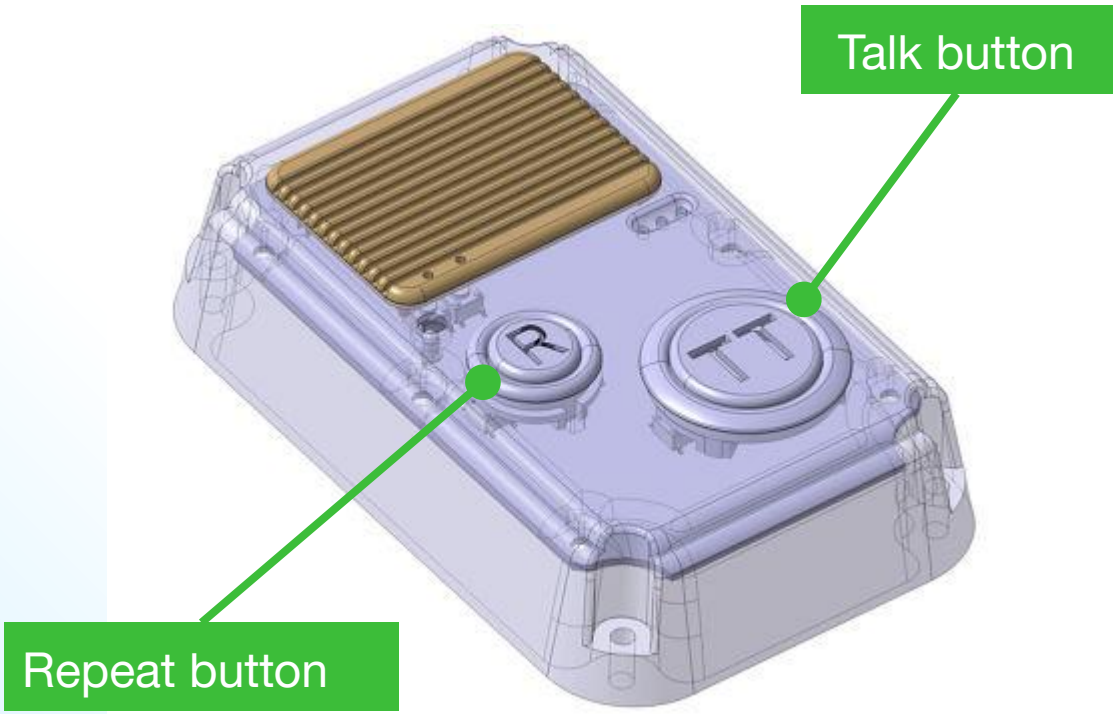


Wireless intercom modules

Handheld Communicator

Instant-call Messenger

TreeTalk Intercom. Device



A digital device with advanced functionality.

TreeTalk Intercom **does not require hardware control desk, switches or commutators** – it runs on a cloud-based TreeTalk platform

TreeTalk Intercom **can work with any network** (depending on the chosen modification) as well as with a twisted pair connection.

More info:
http://tree-talk.com/wp/treetalk-intercom-prototype-ver-0-1/

TreeTalk Universal Communicator. Universal Communication Box

Based on the TreeTalk Intercom prototype, we have developed the **Universal Communicator**. It is designed for real-time voice conversations between remote objects, for example:

- separated rooms, shops or offices
- elevators and control room
- mobile objects (delivery robots, unmanned vehicles) and a support service or emergency response
- etc

Universal Communication Box (UCB) contains all the electronics.

More info:
http://tree-talk.com/wp/universal-communicator-plus-support-panel/

TreeTalk Universal Communicator. PTT Panel. Smart City Solution.

A miniature panel with a Push-To-Talk button (PTT Panel) can be integrated, for example, into the wall of an elevator car, as well as into an ATM or kiosk.

Advantages of TreeTalk Universal Communicator:

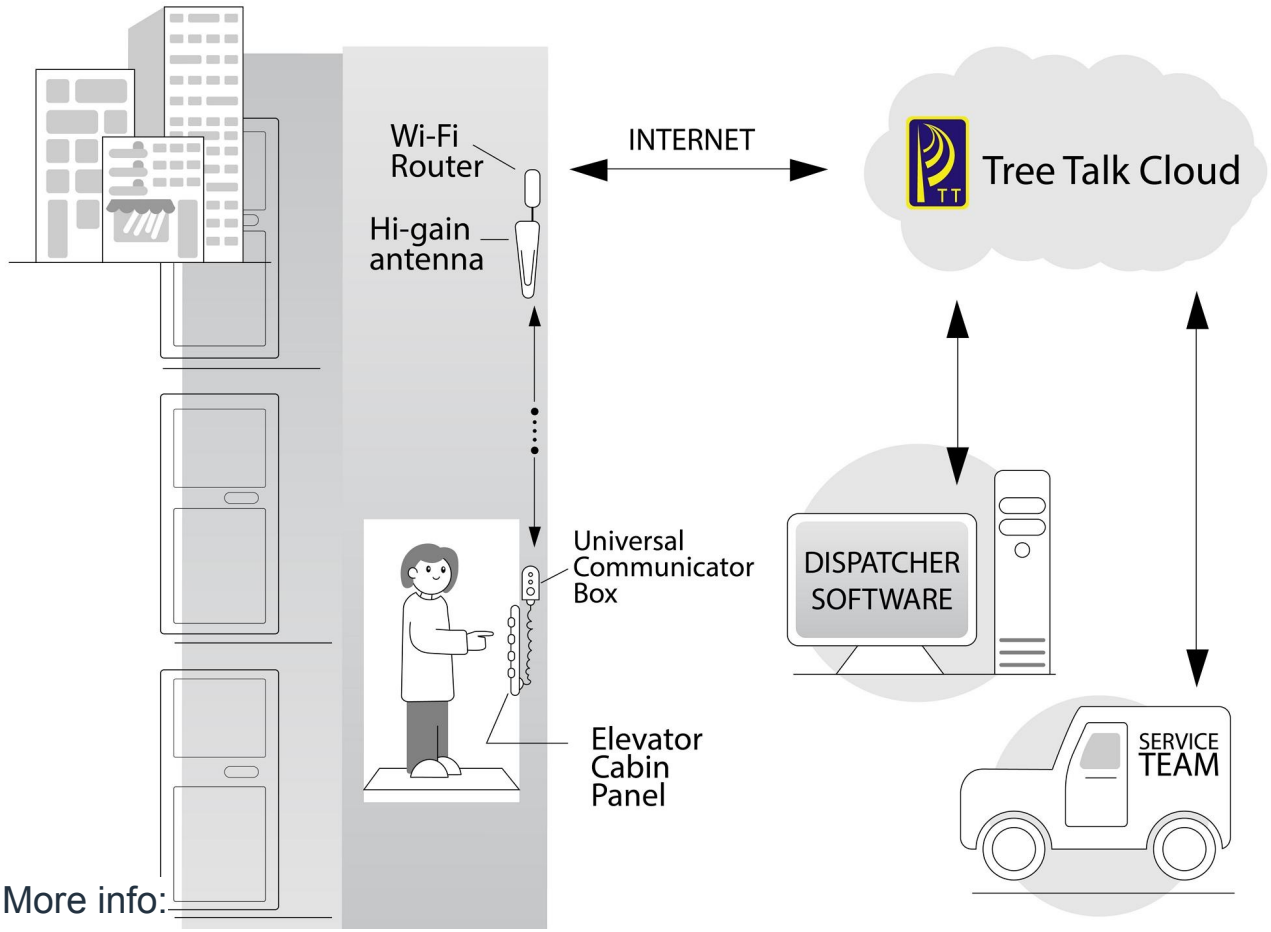
- Modular design
- The built-in emergency power supply
- Sound collision handler

TreeTalk Universal Communicator **does not require wiring and may be easily installed in:**

- Temporary constructions
- Mobile hospitals
- Hangars
- Old and historical buildings
- etc

More info:
http://tree-talk.com/wp/universal-communicator-plus-support-panel/

TreeTalk Universal Communicator as an Elevator Communicator



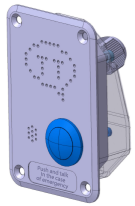
More info:
http://tree-talk.com/wp/universal-communicator-plus-support-panel/

Using the same program, the operator can communicate with mobile repair crews, concierges, service personnel and other staff.

Thanks to the modular design, you can use the wireless protocol that is less costly.

Standard elevator panel already equipped with a call button, microphone, and speaker, **may be connected to the Universal Communicator Box** using a universal twisted cable. In this case, there is not even a need to buy a dedicated front panel.

TreeTalk Ecosystem.
The Easy Way of a TreeTalk User



Start talking!

Buy the terminals → Create an account on the TreeTalk website

3 steps

Fast

Simple

http://www.Tree-Talk.com
info@Tree-Talk.com

TreeTalk

Instant Voice Telecommunications

Welcome to the future of professional telecommunications!

Appendixes

Market Fit and Competition

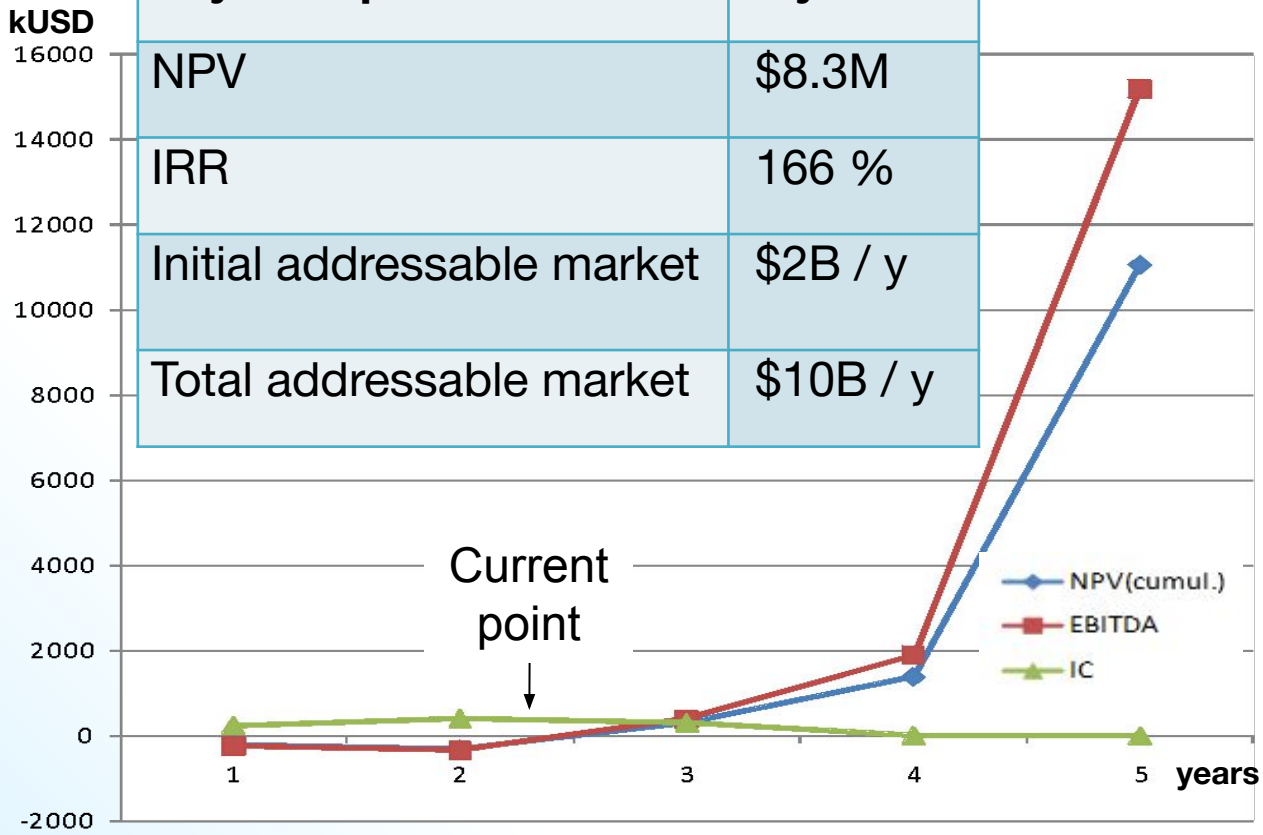
	Digital sound quality	Cheap exploitation	Quick launch	Spectral efficiency	Coverage area
TreeTalk	V	V	V	V	V
Analog radios / intercoms		V			
Digital radios	V	V			
Digital trunked systems	V				V

Financial Projections

Capital required to obtain the positive cash flow	$0.45M
Capital required to break-even	$1.2M
Initial addressable market	$2B / year
Total addressable market	$10B / year
Customer lifetime value (3-year basis)	$280
Payback period	**3 years**

Financial Model

Payback period	3 years
NPV	$8.3M
IRR	166 %
Initial addressable market	$2B / y
Total addressable market	$10B / y



Sales of our web-services

$5 / mo

Sales of our devices

$249

Sales of our software

$99

TreeTalk Leaflet / Projected Prices

TreeTalk Terminal

The design of our device is developed and patented, based on customer feedback, to fit both - cars and trucks.

- no outer antenna
- fit the standard 1 DIN
- universal 12/24 volt PSU

GPRS/EDGE/UMTS/LTE, WiMAX, HiperMAN iBurst, NGH, FreedomPop and many other compatible.

Prices:

Terminal	TT-1	$249
Terminal	TT-1-GPS	$269

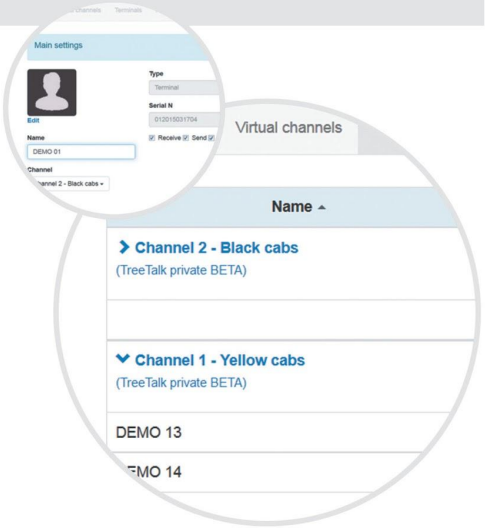
Web front-end

Web front-end provides an access to the user's account.

User can create the virtual channels, add the terminals into them and manage them easily: to connect, to disconnect, to move etc.

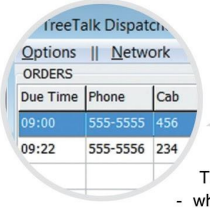
Prices

Account support	$0.00
Unit Software rental Daily for each, up to 4	$0.00
Unit Software rental Daily for each, from 5th	$0.10
GNSS Software rental Daily, for each	$0.12

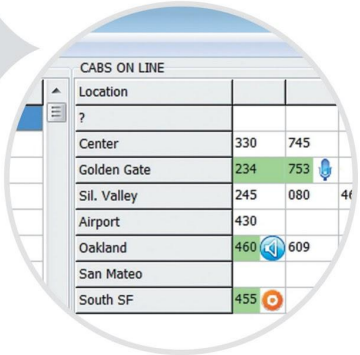


Dispatcher`s application

Dispatcher's app combines the standard functionality for orders handling with new voice functions.



The dispatcher can see - who is online and where.
The dispatcher can see - who is calling, and listen to missed messages.
The dispatcher can use a group call or selective call.



Prices

Dispatcher Software setup	Once	$99.00
Dispatcher Software rental	Daily	$0.33

* MSRP. Some taxes and fees may be applicable additionally for the certain locations of buyers. Data traffic may need be paid in addition

Market Research - Economic Forum

http://tree-talk.com/wp/

Market Research. Maker Faire Roma

http://tree-talk.com/wp/