

#KeepUkraineConnected

eQualitie

eQualitie - Technical Resilience Ecosystem

- Decentralized communications
- Shutdown resilience
- Website security
- Advocacy & community
- Capacity building



Our response to the 2nd invasion

EQUALITIE'S POSITION ON THE WAR IN UKRAINE

On: *March 15, 2022* | Comments Disabled

We choose to stand with Ukrainians who are defending their homes and families. We mourn the lives already lost and the destruction of Ukrainian cities and its cultural heritage.



24+ months of dedicated programming

A YEAR IN REVIEW: EQUALITIE'S REACTIONS TO THE WAR IN UKRAINE



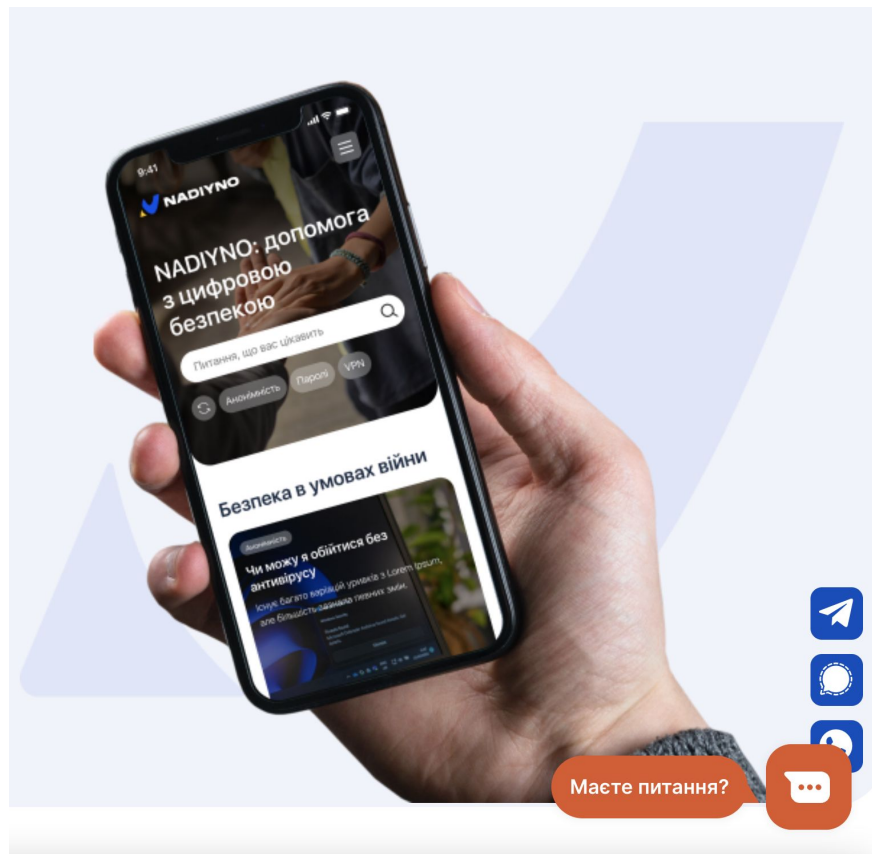
Team members meeting in Lviv, September 2022

Nadiyno - a digital security helpline for Ukrainian users



Launched in Nov 2022

- 350K unique users of website
- 650K visits to website
- 2500 user cases resolved
- 500 articles in database
- 6 operators online
- 7 days per week



15 tonnes of batteries to help ISPs maintain the network





Video Ad Feedback

'We document human pain': Nobel Peace Prize Laureate on seeking justice in Ukraine

Amanpour



Blanna Golodryga speaks with representatives of 2022's Nobel Peace Prize Laureates from Ukraine, Russia and Belarus, in a conversation hosted by the Carnegie Endowment for International Peace.

07:44 - Source: [CNN](#)

Advocacy for Ukraine



Administration

JULY 26, 2023

Readout by NSC Spokesperson of the Principal Deputy National Security Advisor's Meeting with Representatives of the Three 2022 Nobel Peace Prize Laureates

 BRIEFING ROOM STATEMENTS AND RELEASES



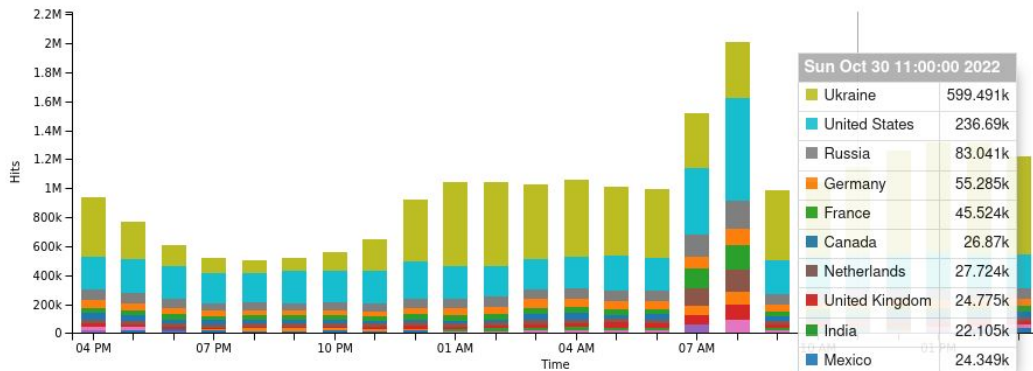
Deflect.ca - website defense, hosting, analytics ++

29,770,781

Total hits served (past 24 hours)

4,038

Total IPs banned (past 24 hours)



Fast and secure DNS
Load balancing
Over 20 data centres worldwide



Deflect.ca - attacks on zhitomir.info

Dashboard Attack summary

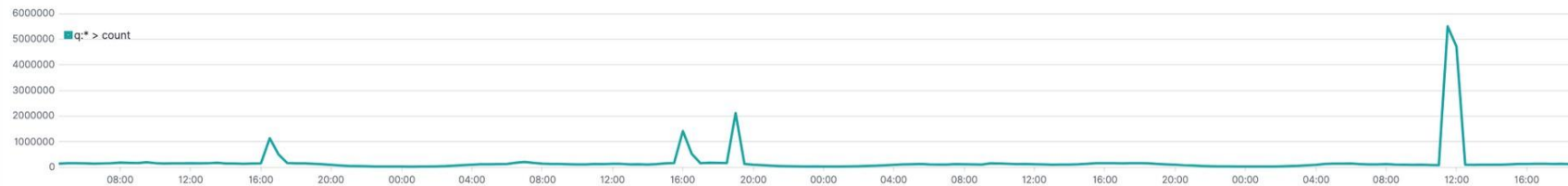
Full screen Share Clone Reporting Edit

client_request_host: *zhitomir.info

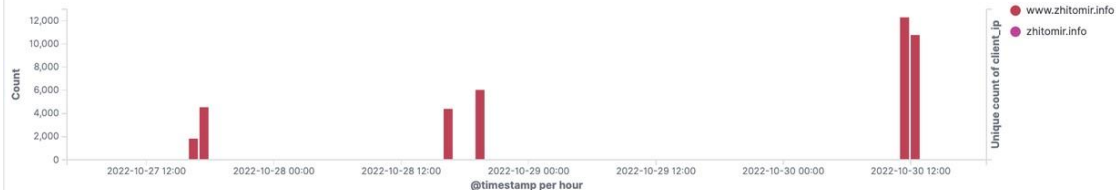
KQL Oct 27, 2022 @ 04:30:51.9 → Oct 30, 2022 @ 19:08:28.6 Refresh

NOT action: Allow x + Add filter

Jeremy: All traffic timeline



attack-banjax-by-host



Simple: Total hits

33,361,764
Count

Simple: Unique IPs

106,847
Unique count of client_ip

attack-banjax-unique-blocked-by-blocked-att...

blocked attempts	Count
www.zhitomir.info	39,877
zhitomir.info	33

Export: Raw Formatted

attack-banjax-unique-blocked-by-country

Colombia	93	1,065
Germany	84	1,644
Libya	65	461
Bangladesh	60	1,208
Ukraine	57	472
Mexico	43	350
Thailand	43	1,322

attack-banjax-unique-blocked-by-network-org

network org	unique IPs blocked
JSC ER-Telecom Holding	49
RAWAFED-LIBYA	44
DigitalOcean, LLC	37
PT Telekomunikasi Indonesia	36
Joshua Peter McQuistan	29
Cogent Communications	20
BIZNET NETWORKS	19

attack-banjax-unique-blocked-by-method

GET

Deflect.ca snapshot in Ukraine (June '22 - March '24)

80 websites onboarded;

24 websites represent women-led media and CSOs

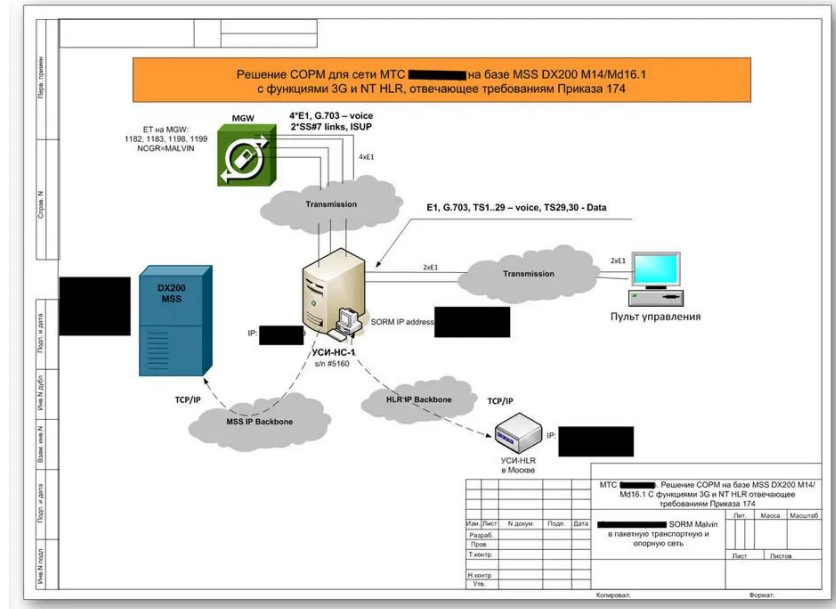
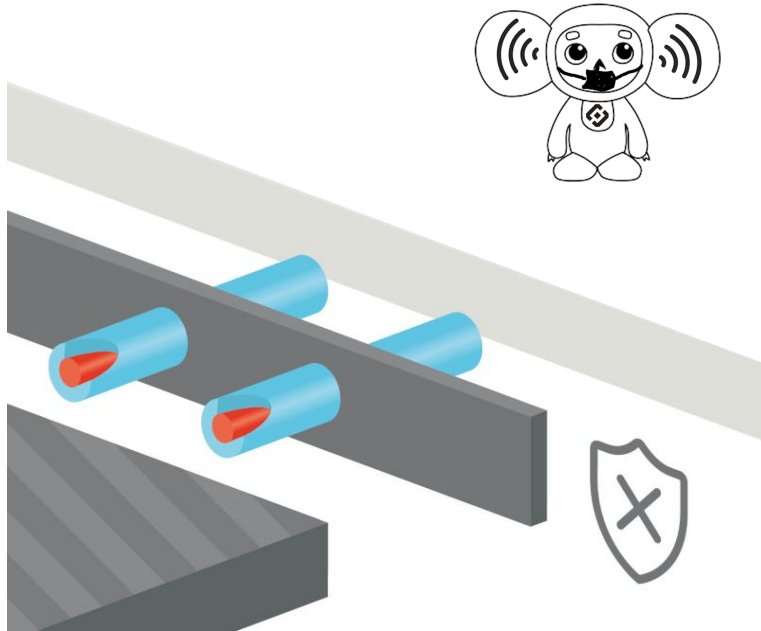
12 websites represent key human rights organizations in Ukraine

550 000 daily unique users from Ukraine

44 major attacks mitigated by Deflect team



Resilience to censorship and shutdowns



Shutdowns in Ukraine and around the world

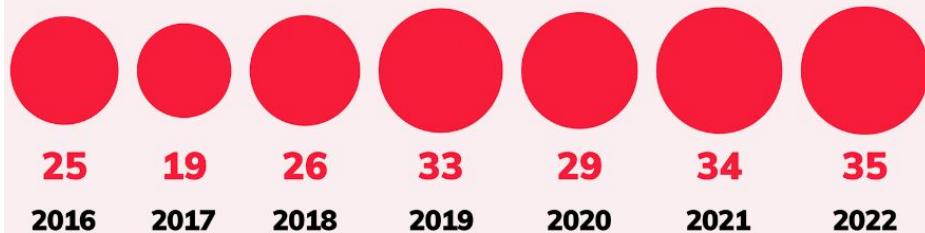
** Shutdowns were imposed by external forces during armed conflict in Ukraine and Yemen.



India: 84
Ukraine: 22**
Iran: 18
Myanmar: 7
Bangladesh: 6
Jordan: 4
Libya: 4
Sudan: 4
Turkmenistan: 4

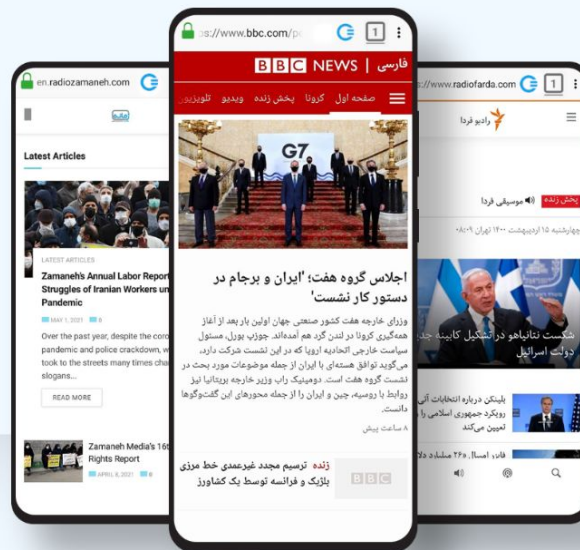
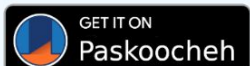
Afghanistan: 2 **Burkina Faso: 2** **Cuba: 2**
Kazakhstan: 2 **Russia: 2**
Sierra Leone: 2 **Tajikistan: 2**
Uzbekistan: 2
Algeria: 1 **Armenia: 1**
Azerbaijan: 1 **Brazil: 1**
China: 1 **Ethiopia: 1** **Iraq: 1**
Nigeria: 1
Oman: 1 **Pakistan: 1**
Somaliland: 1
Sri Lanka: 1 **Syria: 1**
Tunisia: 1 **Turkey: 1**
Uganda: 1 **Yemen: 1****
Zimbabwe: 1

Number of countries where shutdowns occurred



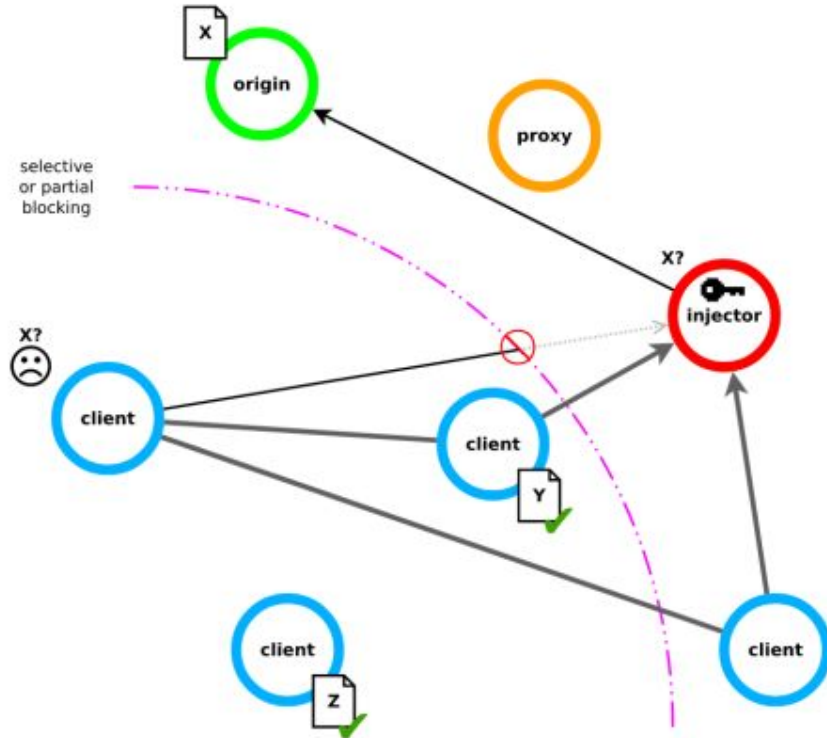
Share the web!

Ceno (short for censorship.no!) is the world's first mobile browser that side-steps current Internet censorship methods. Its peer-to-peer backbone allows people to access and share web information in and across regions where connectivity has been interrupted or compromised.



<https://censorship.no/>

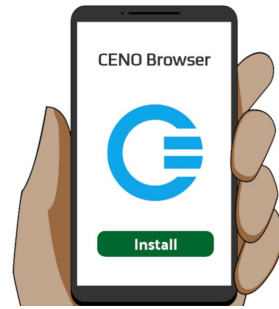
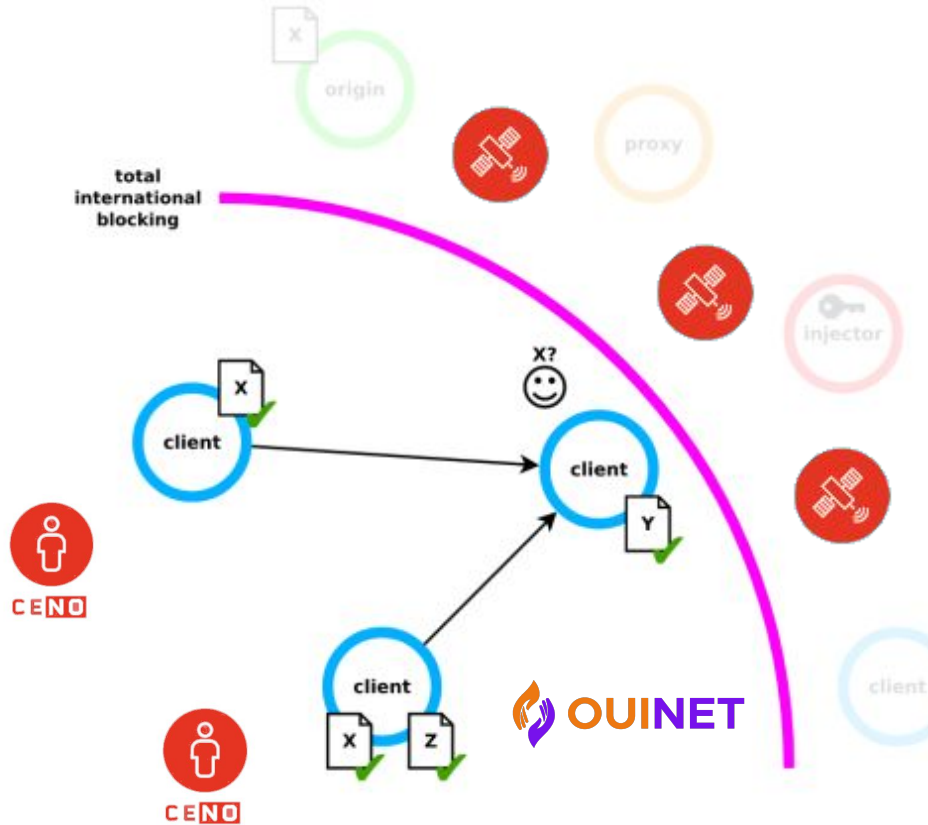
CENO - cooperative browsing



Become a
Bridge!

Grow the Network.

Ouinet - cache and deliver



dcomm.net.ua - 9 locations around Ukraine

Installing Element (Matrix)

Which **city** is closest to you?

In these cities, servers are located for communication via the local network. The closer the server is to you, the higher the data transfer speed.

Kyiv Odessa Kharkiv Lviv Rivne
Kherson Mykolayiv Poltava Khmelnytsky

next

Installing Element (Matrix)

When setting up the application, use the following home server name:
<https://matrix.odessa.dcomm.net.ua/>

INSTALL ON YOUR SMARTPHONE

Download on the App Store GET IT ON Google Play

DOWNLOAD FOR DESKTOP

MacOS Windows (64bit) Windows (32bit) Linux

OPEN IN YOUR BROWSER


Web Chat (Odessa)

How to get started

- Create an account
- Create or join a public room
- Create a private room and send a link to your friends

Do you have any questions? [Check out the FAQ page](#)

back exit




ENCRYPTED CHAT

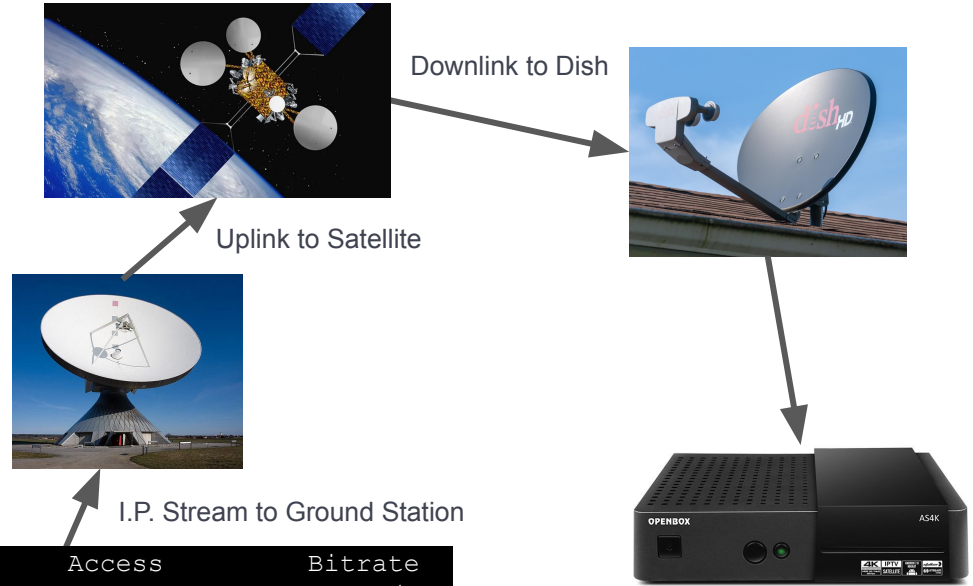
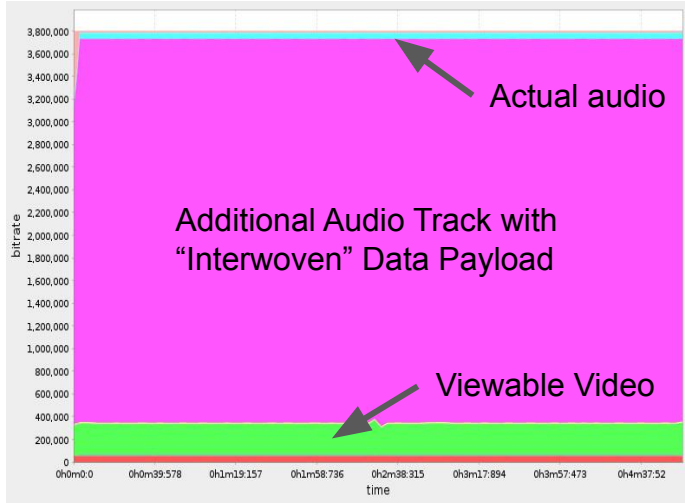
Element (Matrix)

Matrix/Element is an alternative to the usual popular messengers such as Telegram, but with maximum security and privacy for users

Install *for all platforms*



eQSat - datacasting over satellite TV



Srv Id	Service Name	Access	Bitrate
0x0001	eqSat	C	3,717,280 b/

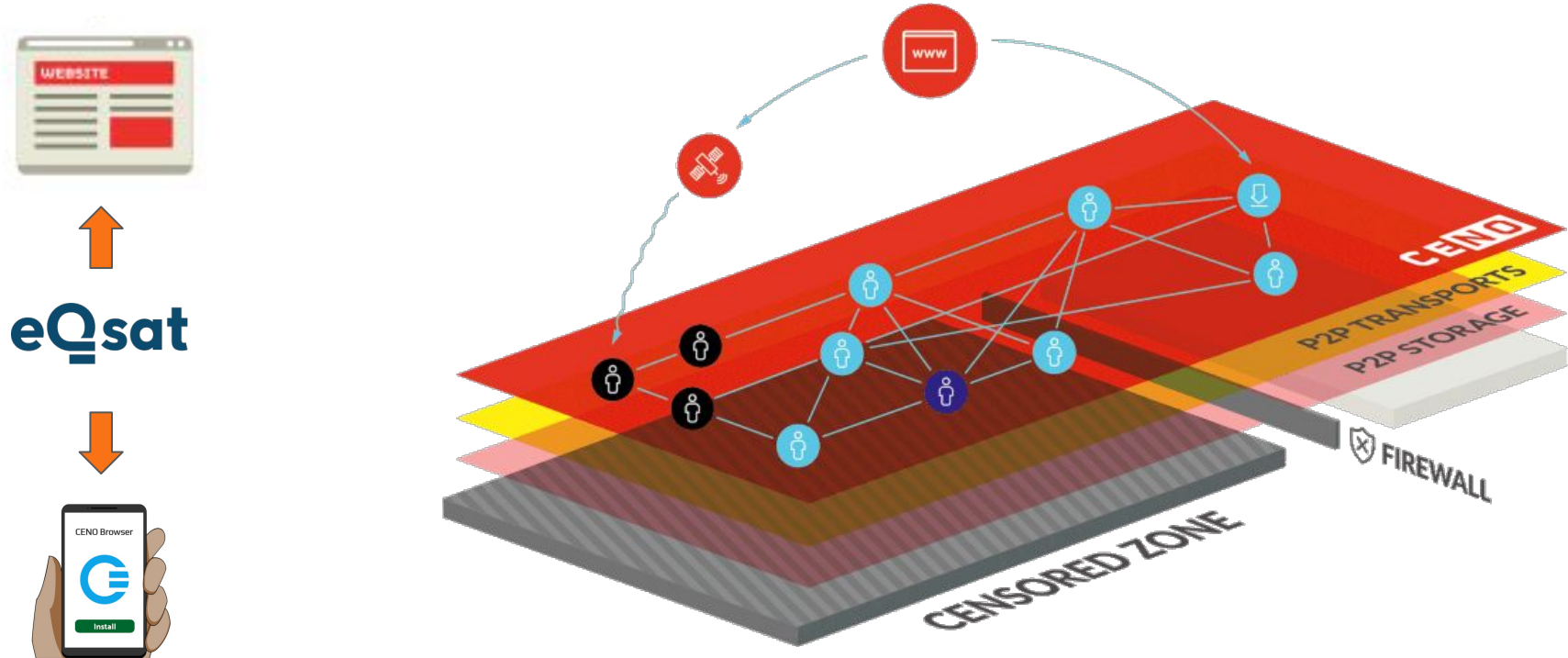
Total	Digital television service	C	3,717,280 b/s
0x0100	AVC video (720x576, main profile, level 3.1,	C	278,302 b/s
0x0101	MPEG-2 AAC Audio (eng)	C	8,288 b/s
0x0102	ATSC AC-3 Audio (vol)	C	3,378,090 b/s
0x1000	PMT	C	52,600 b/s

Record w/DVB Receiver

Receiving



eQSat & Ceno - deliver and propagate



eQualitie



Dmitri Vitaliev

founder. director of technology

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