**A community joint venture**
**— for success**

# Keep Ukraine Connected

February 24, 2022

This was the day everything began.
War started in Ukraine.

Dark days for Ukrainian people,
but also for Internet service providers

„Our IT/ Tech Community is one big Family. We don't think in colors, we don't think in races or genders, we don't think in borders.“

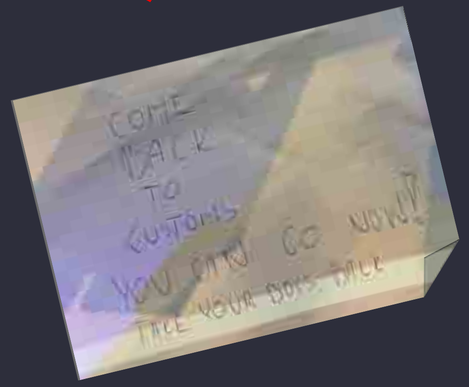
# The beginning…

When Russia invaded Ukraine, our chair René Fichtmüller didn’t want to stand idly by. His first action was to get together with his friend Patrick, and help organise two truck’s worth of relief (trucks courtesy of Wemme Events), which they dropped off at the Ukrainian border in the second week of March 2022.

However, of course, this was not enough.

# The first challenge:

1. Drive from Berlin to Ukraine. *(11 hrs + 2 hrs sleep)*
2. Meet strangers in a country where war is raging and unload all humanitarian goods from truck to truck and drive back as fast as possible. *(2 hrs)*
3. Then very quickly through local contacts, through gates that suddenly opened, back to the Polish side of the border. *(3 hrs sleep)*
4. Driving back home to Berlin again *(13 hrs)*
5. Done!

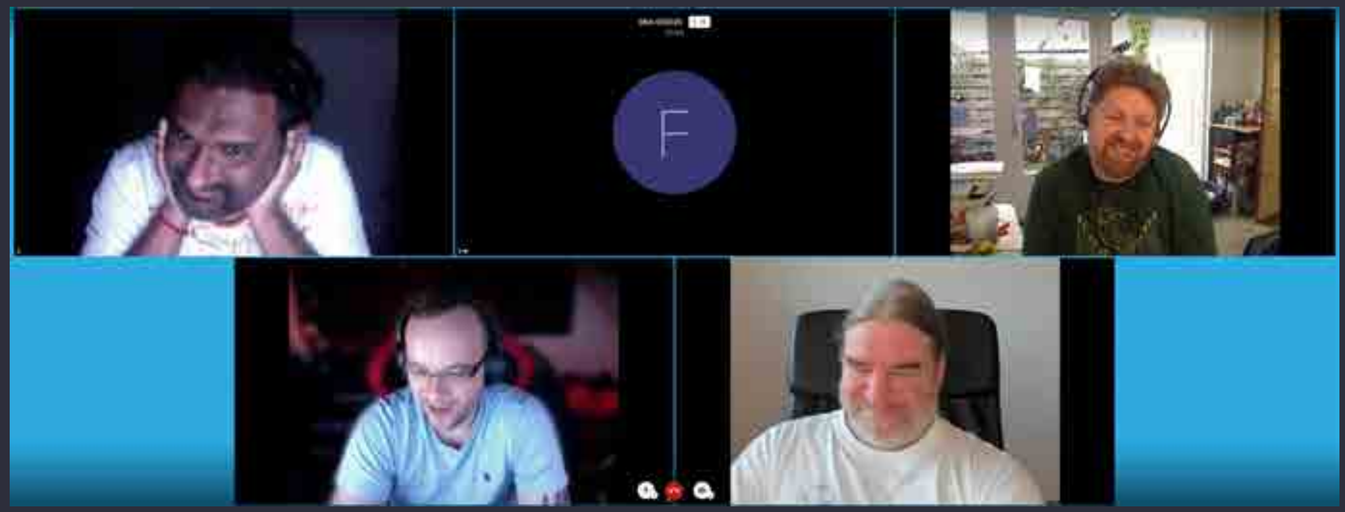


# Everything started with a Global NOG Alliance Board meeting

After Rene shared his thoughts, we all agreed that it was time to do exactly what the Global NOG Alliance was founded to do. Help Network Operators.

We called this project „**Keep Ukraine Connected**“

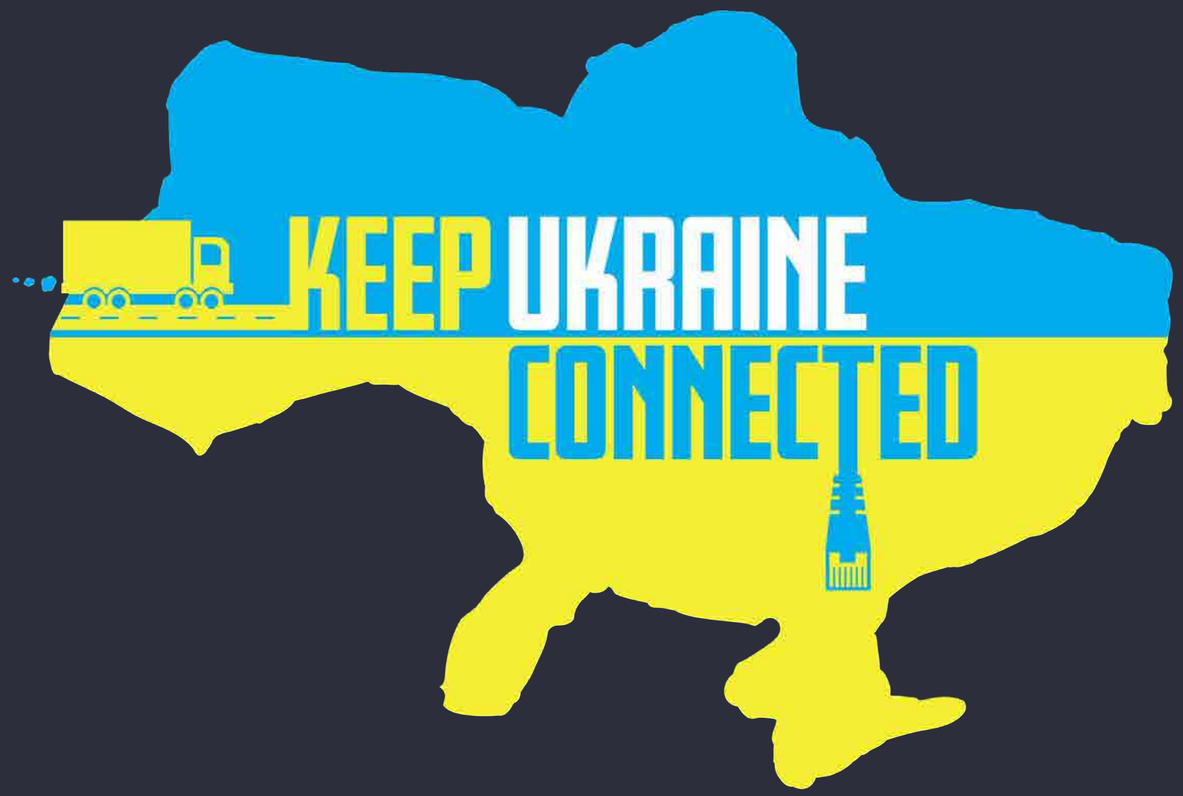
The goal of our task force: Evaluate how we can help, and find contacts in Ukraine who can tell us what is needed.



# Our Vision & Mission

We want to be the facilitator linking the Disaster Region and the global community.

We have contacts in the community and also with the manufacturers, so we want to use these contacts to do good things.




# Strategy Development

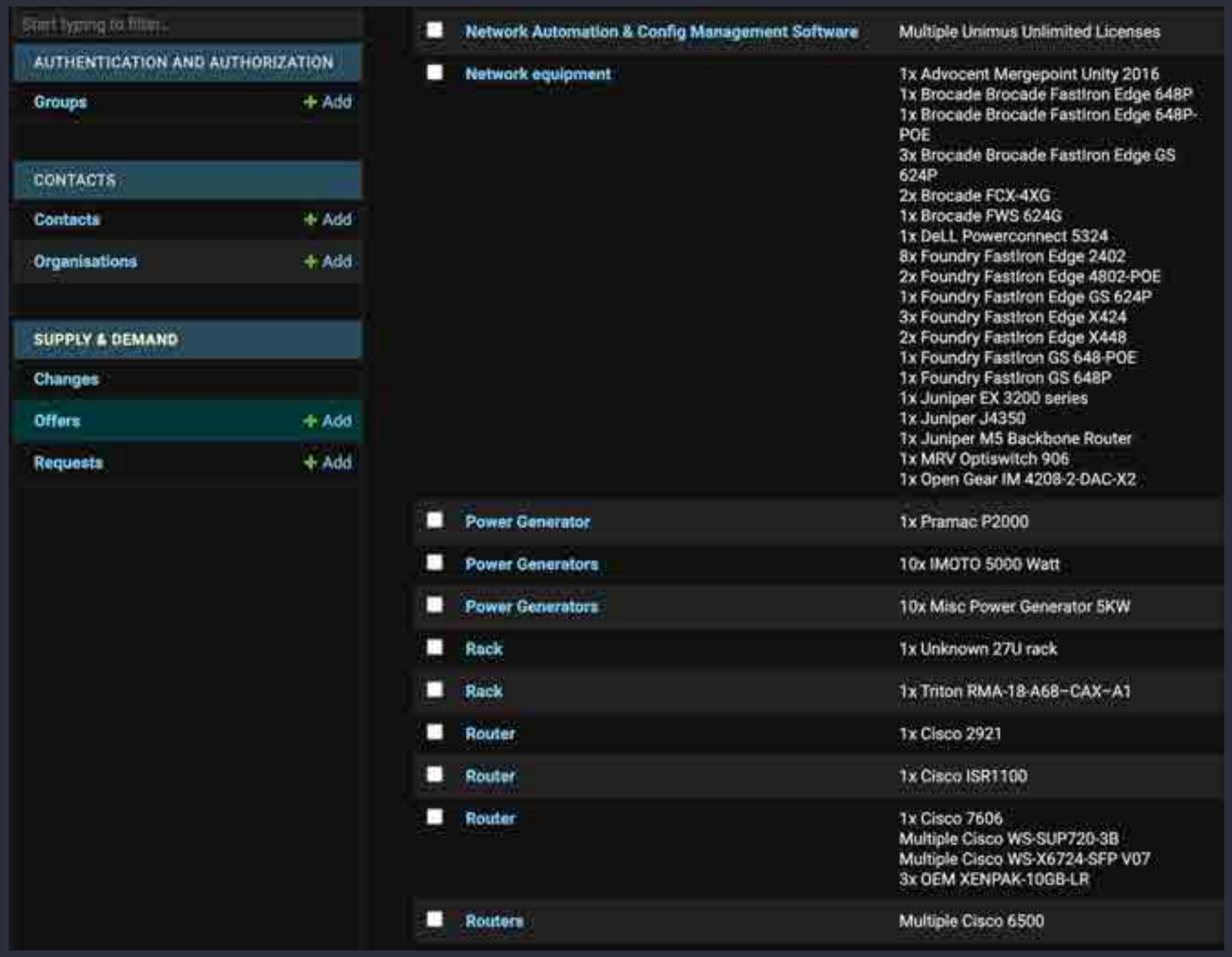
We received many offers for donations and also many requests for equipment.

In order to be able to map this properly, we have implemented a custom made Supply & Demand Database.

# From task force members to supply chain manager...

The GNA Supply & Demand Database works very well. Anyone who wants to donate equipment can get a login from us, and can specify what they want to donate.

Using this database, we can manage which donations we've received. This makes it easier for us to keep track of everything, and means we can show people from Ukraine who need equipment what we have in the system.

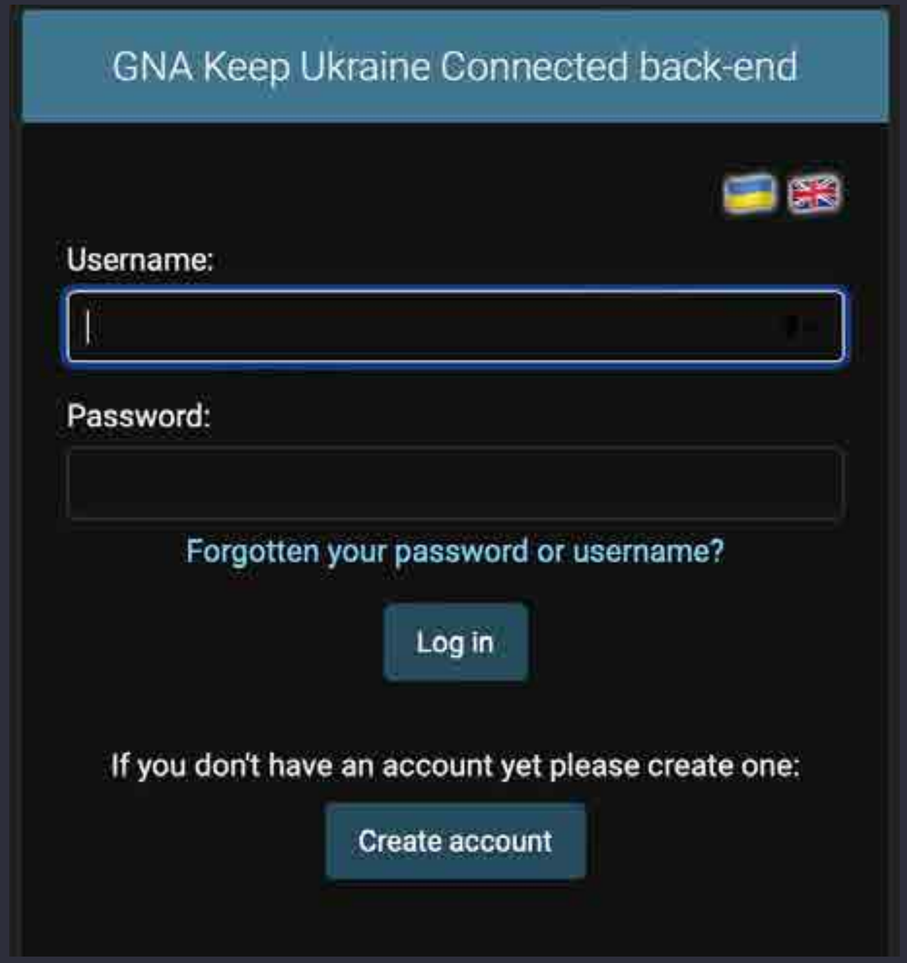



# Supply & Demand Tool

KUC Supply & Demand Tool v1.0

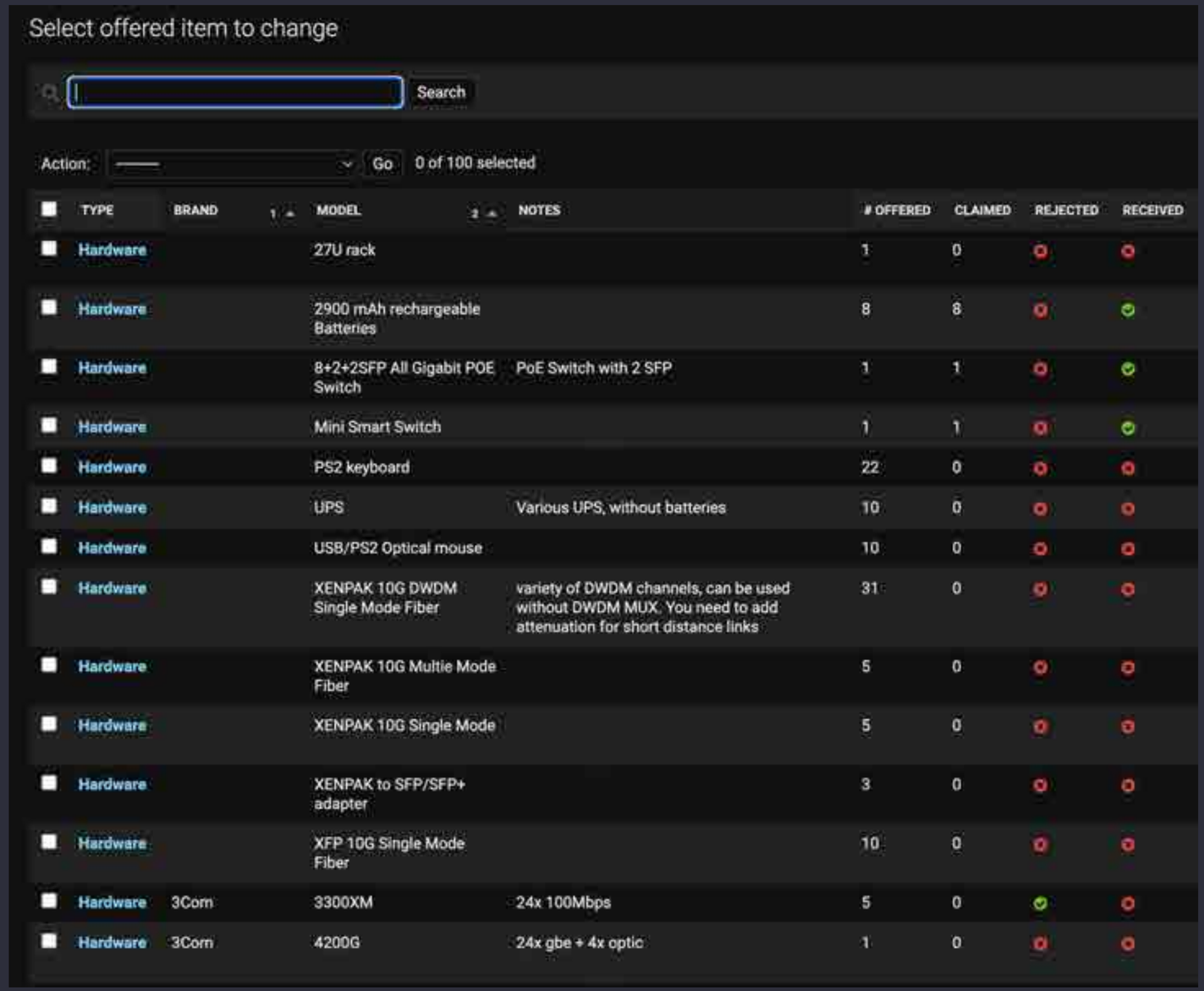
# Supply & Demand Tool (Login)

KUC Supply&Demand Tool v2.0



# Supply & Demand Tool (Donor View)

KUC Supply&Demand Tool v2.0



# Supply & Demand Tool (Requester View)

KUC Supply & Demand Tool v2.0

Select requested item to change

Search

Action: ——— Go 0 of 100 selected

| TYPE | BRAND 1 | MODEL 2 | # REQUIRED | UP TO | ASSIGNED | DELIVERED | CREATED AT | ITEM OF |
|---|---|---|---|---|---|---|---|---|
| Hardware | | 100G-CFP2-LR4 | 8 | 10 | 0 | 0 | April 2, 2022, 6:46 p.m. | UARnet: Optic Modules |
| Hardware | | 24 port switch with SFP uplinks | 11 | - | 0 | 0 | April 18, 2022, 9:01 a.m. | Home-Net: Mykolaiv region Bashtanka |
| Hardware | | Anchor clamp H3 (D) | 1252 | - | 0 | 0 | April 18, 2022, 9:08 a.m. | Home-Net: Konotop, Sumy region |
| Hardware | | Anchor clamp H3 (D) | 4092 | - | 0 | 0 | April 18, 2022, 9:05 a.m. | Home-Net: Chernihiv Chernihiv region |
| Hardware | | any model | 1 | 3 | 0 | 0 | April 13, 2022, 2:22 p.m. | UARnet: welding machine |
| Other | | Catch-all | 1 | - | ✓ | ✓ | April 21, 2022, 11:52 a.m. | DEPS TELECOM LLC (for Ukraine Distribution with UIA): Catch-all for first shipment |
| Hardware | | Coupler PLC-1x8-split-0-SC/UPC-0.9mm | 360 | - | 0 | 0 | April 18, 2022, 9:05 a.m. | Home-Net: Chernihiv Chernihiv region |
| Hardware | | Coupler SC-1x2-1310/1490/1550-50/50-0-SC/UPC-0.9mm | 32 | - | 0 | 0 | April 18, 2022, 9:05 a.m. | Home-Net: Chernihiv Chernihiv region |
| Hardware | | CWDM 10GE (SFP+) | 6 | - | 0 | 0 | April 8, 2022, 8:51 a.m. | 3NET LLC: Restoration of telecommunication infrastructure |
| Hardware | | CWDM 1GE (SFP) | 6 | - | 0 | 0 | April 8, 2022, 8:51 a.m. | 3NET LLC: Restoration of telecommunication infrastructure |
| Hardware | | CWDM MUX/DEMUX 8ch(or 4ch) | 6 | - | 0 | 0 | April 8, 2022, 8:51 a.m. | 3NET LLC: Restoration of telecommunication infrastructure |
| Hardware | | FOB-04-16 | 105 | - | 0 | 0 | April 18, 2022, 9:08 a.m. | Home-Net: Konotop, Sumy region |
| Hardware | | FOB-04-16 | 320 | - | 0 | 0 | April 18, 2022, 9:05 a.m. | Home-Net: Chernihiv Chernihiv region |

# Our Friends & Partners in Ukraine *(as of April 2022)*

We are currently working with the organisations listed below. They are helping us with paperwork, permits, and local distribution of the donated equipment.

Ministry of Digital Transformation

DEPS (local distribution)

Ukrainian Internet Association

...why are we doing this?

And why the internet is so important for Ukraine?

**85% of Ukraine's population older than 15 have had access to Internet in January 2021**

# 10 Million Facebook Users

# 7.3 Million Instagram Users

Local.com.ua

PRESS
PRESS

https://www.forbes.com/sites/thomasbrewster/2022/03/31/the-last-days-of-mariupols-internet/?sh=737996785962

What happened in April 2022?

8th to 14th of April 2022

DE- CZ- AT- SLO- AT- CZ- PL- UA- PL- DE

3132 Kilometer, 44 Hours driving

# Collecting Equipment at BCIX

# Collecting Equipment Freie Universität Berlin/ ZEDAT

# Empty House... Happy Wife

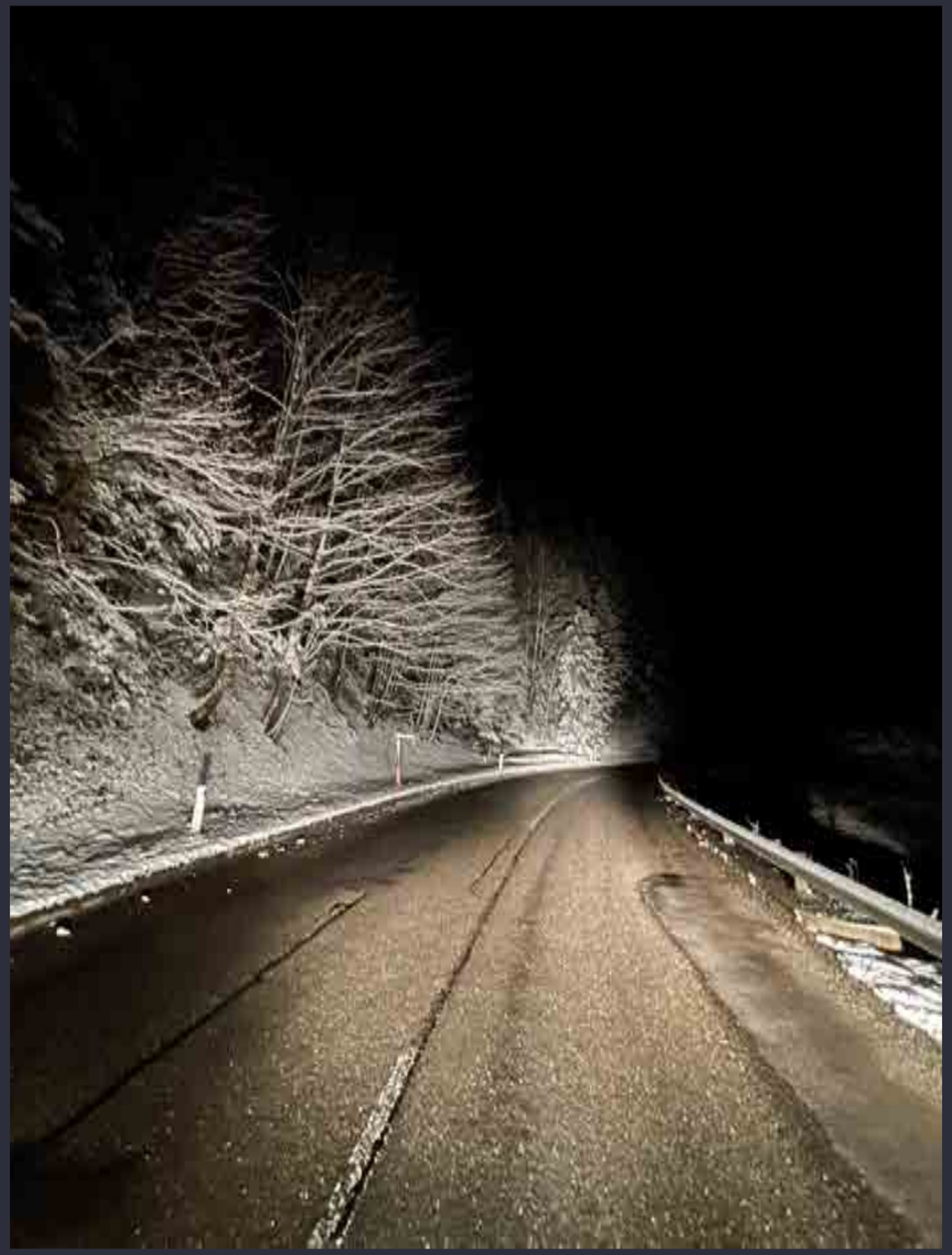
# Collecting Equipment NIC.cz & Interview (Prague Part I)

# Collecting Equipment NetArt (Prague Part II)

# Collecting Equipment NIX.cz, freetel, praha12.com (Prague Part III)

# Next Stop: SLO

Only for the records... never leave the Highway



# Collecting Equipment 6connect & Xenia (SLO)

Fully Loaded with 14 pallets of equipment and a weight of around 2 tons

Next Stop… Border of Ukraine

# 13th March 2022 – 11:32am

PL- Customs Queue 06:20pm
STOP

UA
CNF 58

UA Customs Queue 06:30pm
УКРАЇНА
ВІТАЄ ВАС

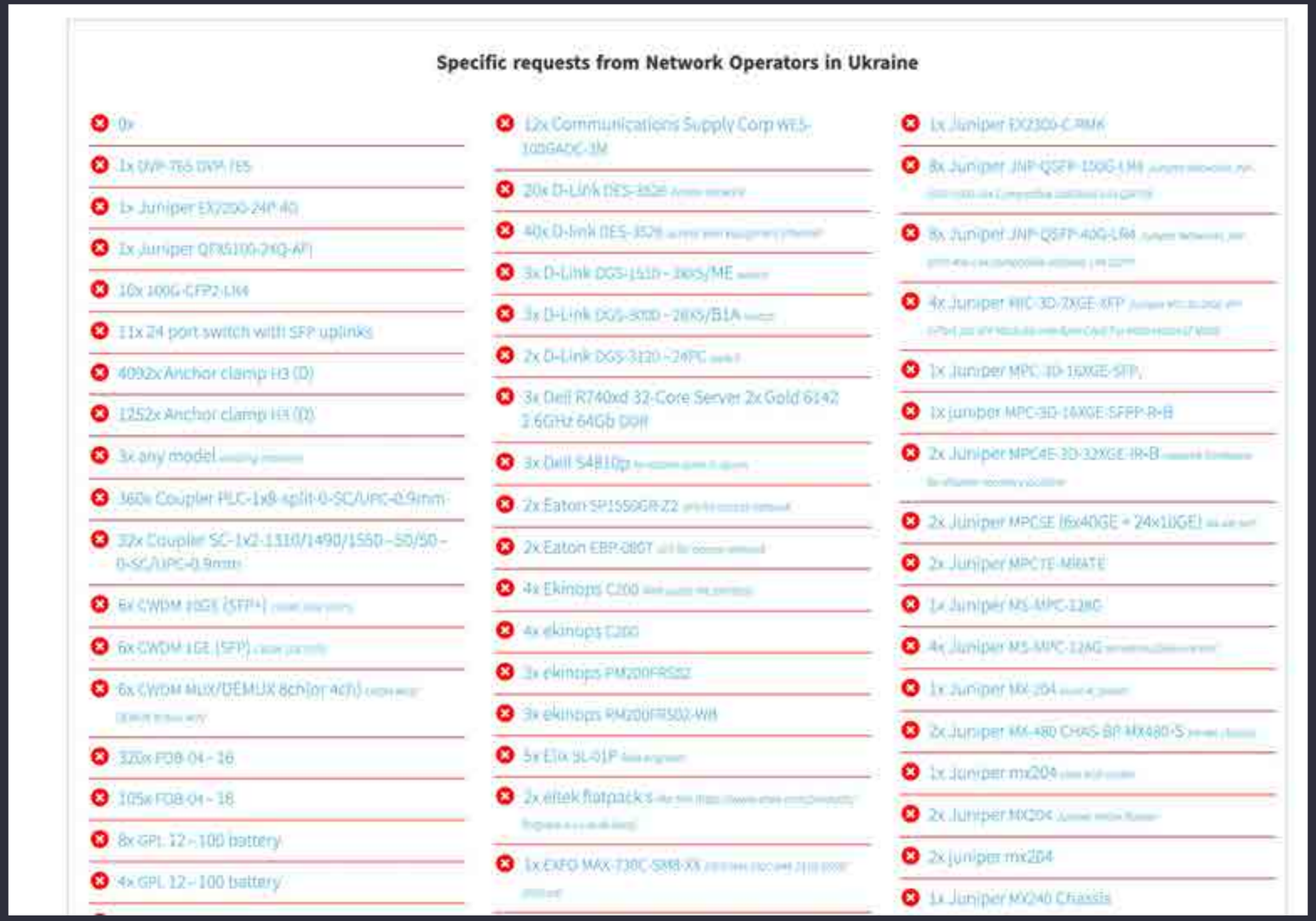
Meeting Point Gas Station 07:30pm

Meeting Point Gas Station 07:30pm

# 08:25pm... DONE

verleih - verkauf - service
ton-, licht-, av-technik, bühnen, traversen & dj equipment
Prenzlauer Promenade 44
13089 Berlin
- 81 61 60 360
- 81 61 60 380
WEMME
Events
Veranstaltungstechnik
me-events.de

# What happened afterwards?

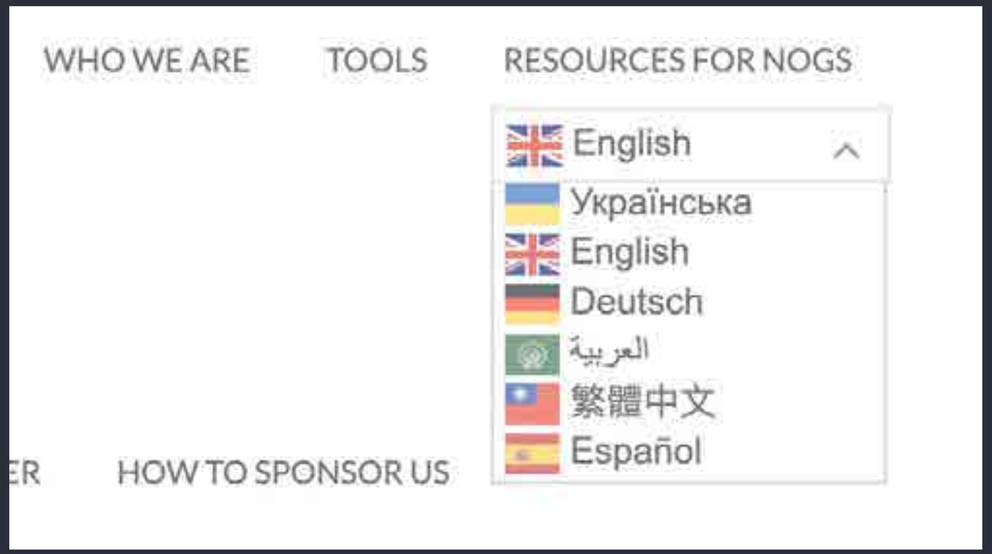



# We added requests on our website

When you have some equipment which matches with the requested equipment, you can send a mail out directly from the list and offer it.

# Full Ukrainian Language support

We added full Ukrainian Language Support to our Supply & Demand Database

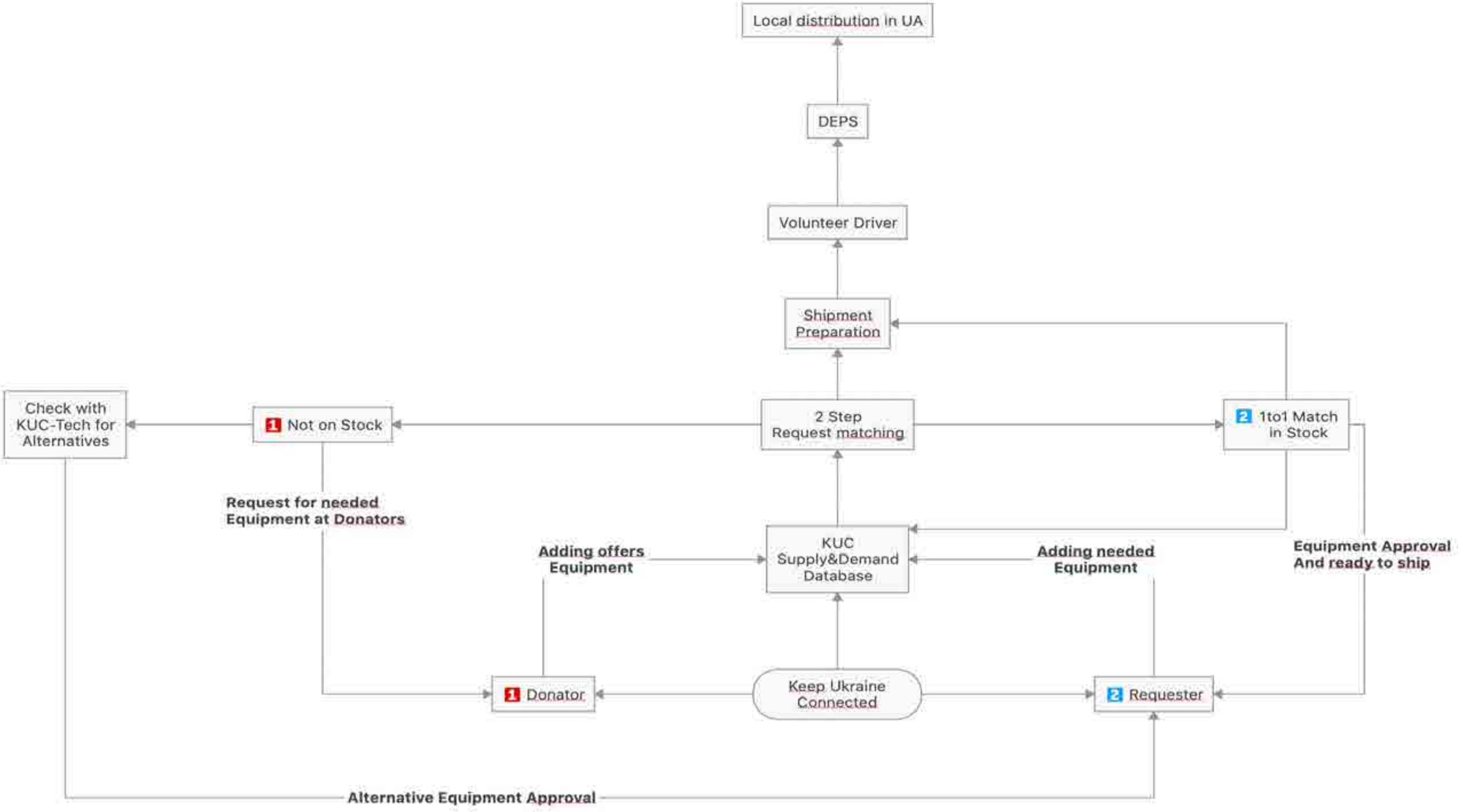



# Multi Language Website

We added multi-language support to our website

Our daily Keep Ukraine Connected work?

# 1. Working on a stable Concept for the Future


Local distribution in UA
DEPS
Volunteer Driver
Shipment Preparation
2 Step Request matching
Check with KUC-Tech for Alternatives
1 Not on Stock
2 1to1 Match in Stock
Request for needed Equipment at Donators
Adding offers Equipment
KUC Supply&Demand Database
Adding needed Equipment
Equipment Approval And ready to ship
1 Donator
Keep Ukraine Connected
2 Requester
Alternative Equipment Approval

1. Working on a stable Concept for the Future

2. Conversations with Donors (around 15 Mio €)

1. Working on a stable Concept for the Future

2. Conversations with Donors (around 15 Mio €)

3. Conversations with Partners

1. Working on a stable Concept for the Future

2. Conversations with Donors (around 15 Mio €)

3. Conversations with Partners

4. Conversations with PO & UA Government/ Customs/ BC

1. Working on a stable Concept for the Future

2. Conversations with Donators (around 15 Mio €)

3. Conversations with Partners

4. Conversations with PO & UA Government/ Customs/ BC

5. normal daily work and Family

# Who is behind the Task Force “Keep Ukraine Connected?

# Who is behind the Task Force Keep Ukraine Connected?

*Corinne Pritchard*

# Who is behind the Task Force Keep Ukraine Connected?

*Corinne Pritchard*

*Nathalie Trenaman*

# Who is behind the Task Force Keep Ukraine Connected?

*Corinne Pritchard*

*Nathalie Trenaman*

*Sander Steffann*

# Who is behind the Task Force Keep Ukraine Connected?

*Corinne Pritchard*

*Nathalie Trenaman*

*Sander Steffann*

*Jan* **Žorž**

# Who is behind the Task Force Keep Ukraine Connected?

*Corinne Pritchard*

*Nathalie Trenaman*

*Sander Steffann*

*Jan Žorž*

*Rene Fichtmueller*

# Thanks also goes to our wider KUC team…

Natalya Klitna (APPK)

Bogdana Piven (Regulatory Authority – NCEK)

Dmitry Knyazev and everyone at DEPS

Team at Ukraine Internet Association

Team at Ukraine Minstry for Digital transformation

Julia Troyan

Marcin (Leon, Poland)

Daniel

# Big thnx to all of you that donated hardware and/or money!!!

...and also to all of you who are considering helping in the future ☺

The current needs of ISP providers

## 1. Optical splicers

- For trunk optical lines

Inno Instrument - View 5, 7, 8
Fujikura - FSM-60, 70, 80, 86S, 41S
Sumitomo - T-57 , TYPE-72C, 81C
Fitel - S-177, 178, 179

Current quantity needed 20 pcs

- For subscribers, FTTH, last mile networks

Inno Instrument - View 1, 3, M7
Fujikura - FSM- 19S, 22S, 23S, 36S
Sumitomo - TYPE-71BS, T-400S, 502S
Fitel - S- 153A

Current quantity needed 40 pcs

# Most requested tool !!!

We are collecting donations to buy fiber optic splicers and send them to areas where repairs are most needed!!! We already sent 4 of them!

https://nogalliance.org/our-task-forces/keep-ukraine-connected/fundraising/

Thank you!

Mail us: ukraine@nogalliance.org