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.“
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

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BRAND</th>
<th>MODEL</th>
<th>NOTES</th>
<th># OFFERED</th>
<th>CLAIMED</th>
<th>REJECTED</th>
<th>RECEIVED</th>
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<tbody>
<tr>
<td>Hardware</td>
<td>27U rack</td>
<td></td>
<td></td>
<td>1</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>2900 mAh rechargeable</td>
<td>Batteries</td>
<td></td>
<td>8</td>
<td>8</td>
<td></td>
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<tr>
<td>Hardware</td>
<td>8+2+2SFPO All Gigabit</td>
<td>POE Switch with 2 SFP Switch</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>Mini Smart Switch</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
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<tr>
<td>Hardware</td>
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<td></td>
<td>22</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>UPS</td>
<td>Various UPS, without batteries</td>
<td></td>
<td>10</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>USB/PS2 Optical mouse</td>
<td></td>
<td></td>
<td>10</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>XENPAK 10G DWDM</td>
<td>Single Mode Fiber</td>
<td>variety of DWDM channels, can be used without DWDM MUX. You need to add attenuation for short distance links</td>
<td>31</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>XENPAK 10G Multimode</td>
<td>Fiber</td>
<td></td>
<td>5</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>XENPAK 10G Single Mode</td>
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<td></td>
<td>5</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>XENPAK to SFP/SFP+</td>
<td>adapter</td>
<td></td>
<td>3</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Hardware</td>
<td>XFP 10G Single Mode</td>
<td>Fiber</td>
<td></td>
<td>10</td>
<td>0</td>
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<tr>
<td>Hardware</td>
<td>3Com</td>
<td>3300XM</td>
<td>24x 100Mbps</td>
<td>5</td>
<td>0</td>
<td></td>
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</tr>
<tr>
<td>Hardware</td>
<td>3Com</td>
<td>4200G</td>
<td>24x gbe + 4x optic</td>
<td>1</td>
<td>0</td>
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# Supply & Demand Tool (Requester View)

## KUC Supply & Demand Tool v2.0

### Select requested item to change

<table>
<thead>
<tr>
<th>Action:</th>
<th>Go</th>
<th>0 of 100 selected</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BRAND</th>
<th>MODEL</th>
<th># REQUIRED</th>
<th>UP TO</th>
<th>ASSIGNED</th>
<th>DELIVERED</th>
<th>CREATED AT</th>
<th>ITEM OF</th>
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<tbody>
<tr>
<td>Hardware</td>
<td>100G-CFP2-LR4</td>
<td>8</td>
<td>10</td>
<td>○</td>
<td>○</td>
<td>April 2, 2022, 6:46 p.m.</td>
<td>UARnet: Optic Modules</td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>24 port switch with SFP uplinks</td>
<td>11</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:01 a.m.</td>
<td>Home-Net: Mykolaiv region Bashtanka</td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>Anchor clamp H3 (D)</td>
<td>1252</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:08 a.m.</td>
<td>Home-Net: Konotop, Sumy region</td>
<td></td>
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<tr>
<td>Hardware</td>
<td>Anchor clamp H3 (D)</td>
<td>4092</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:05 a.m.</td>
<td>Home-Net: Chernihiv Chernihiv region</td>
<td></td>
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<tr>
<td>Hardware</td>
<td>any model</td>
<td>1</td>
<td>3</td>
<td>○</td>
<td>○</td>
<td>April 13, 2022, 2:22 p.m.</td>
<td>UARnet: welding machine</td>
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<tr>
<td>Hardware</td>
<td>Catch-all</td>
<td>1</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 21, 2022, 11:52 a.m.</td>
<td>DEPS TELECOM LLC (for Ukraine Distribution with UIA): Catch-all for first shipment</td>
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<td>Hardware</td>
<td>Coupler PLC-1x8-split-0-SC/UPC-0.9mm</td>
<td>360</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:05 a.m.</td>
<td>Home-Net: Chernihiv Chernihiv region</td>
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<tr>
<td>Hardware</td>
<td>Coupler SC-1x2-1310/1490/1550-50/50-SC/UPC-0.9mm</td>
<td>32</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:05 a.m.</td>
<td>Home-Net: Chernihiv Chernihiv region</td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>CWDM 10GE (SFP+)</td>
<td>6</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 8, 2022, 8:51 a.m.</td>
<td>3NET LLC: Restoration of telecommunication infrastructure</td>
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<tr>
<td>Hardware</td>
<td>CWDM 1GE (SFP)</td>
<td>6</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 8, 2022, 8:51 a.m.</td>
<td>3NET LLC: Restoration of telecommunication infrastructure</td>
<td></td>
</tr>
<tr>
<td>Hardware</td>
<td>CWDM MUX/DEMUX 8ch(or 4ch)</td>
<td>6</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 8, 2022, 8:51 a.m.</td>
<td>3NET LLC: Restoration of telecommunication infrastructure</td>
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<tr>
<td>Hardware</td>
<td>FOB-04-16</td>
<td>105</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:08 a.m.</td>
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<td>Hardware</td>
<td>FOB-04-16</td>
<td>320</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>April 18, 2022, 9:05 a.m.</td>
<td>Home-Net: Chernihiv Chernihiv region</td>
<td></td>
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</tbody>
</table>
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
What happened in April 2022?
8th to 14th of April 2022
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 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
UA Customs Queue 06:30pm
Meeting Point Gas Station 07:30pm
08:25pm... DONE
What happened afterwards?
When you have some equipment which matches with the requested equipment, you can send a mail out directly from the list and offer it.

We added requests on our website
We added full Ukrainian Language Support to our Supply & Demand Database.
We added multi-language support to our website.
Our daily Keep Ukraine Connected work?
1. Working on a stable Concept for the Future
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 Ministry for Digital transformation
Julia Troyan
Marcin (Leon, Poland)
Daniel
Big thnx to all of you that donated hardware and/or money!!!

Listed below are just a handful of our generous donors. The majority prefer to remain anonymous.

BCIX
CZ.NIC
DE-CIX
Flexoptix GmbH
Freie Universität Berlin
Global NOG Alliance
NetArt
NIX.cz
U.S. Internet
Unimus
ZeroTier

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

Most requested tool !!!

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

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

Mail us: ukraine@nogalliance.org