ATIONAL SCIENCE CENTER "KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY

IMPACT OF RUSSIAN FULL-SCALE ARMED INVASION OF UKRAINE

NATIONAL SCIENCE CENTER
KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY (KIPT)

Volodymyr Chyzhov, Deputy director general of NSC KIPT

&

Sergii Fomin, Leading researcher of NSC KIPT

18 January 2024, Prague, Czech Republic



25 km from Russian border to KIPT More than 100 strikes during 2022-2023 All building were impacted with different level of damage

THE FIRST DAYS OF WAR FEBRUARY 24-25, 2022

Russian military equipment in Kharkiv city edge

0.5 - 1 km form KIPT

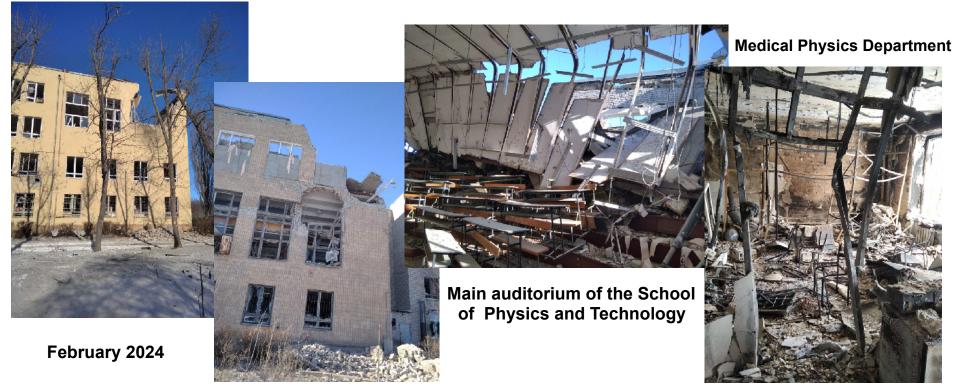








V.N. Karazin Kharkiv National University School of Physics and Technology





NATIONAL SCIENCE CENTER "KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY"

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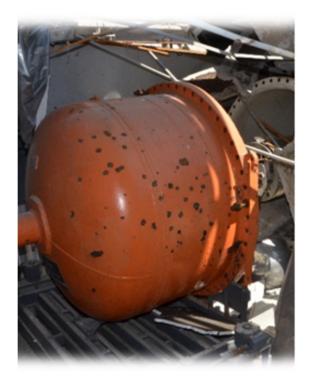
https://undark.org/2023/05/01/pkeeing-the-lights-on-at-ukraines-research-nuclear-reactor/





Fully or partly destroyed research equipment in 12 lab premises









EQUIPMENT MAINTENANCE and CONSERVATION









Radio-telescope UTR-2 of the Institute of Radio Astronomy (Kharkiv region)











As a result of hostilities with missile and bomb attacks at the scientific infrastructure of the NAS of Ukraine has suffered considerable losses and continues to be ruined.



Institute of Radio Astronomy (Kharkiv)



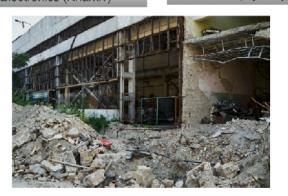
Frantsevich Institute for Problems of Materials Science (Kyiv)



Usikov Institute for Radio Physics and Electronics (Kharkiv)



Institute for Pulse Processes (Mykolayiv)



Institute for Superhard Materials (Kyiv)











Sponsored by:



https://rilogistica.eu/guidelines-ilo/

The ILO Ukraine initiative



Guidelines

Background

The RI Logistica Association was approached via email from representatives from the European ILO (Industry Liaison Officer) Network, following the ILO CERN meeting in September 2022, asking if we could help them in setting up a logistical solution providing RIs in Ukraine by replacing stolen/damaged equipment during the ongoing war also meeting the volume/magnitude needed to be transported.

Step by step guide

1. Donation gathering

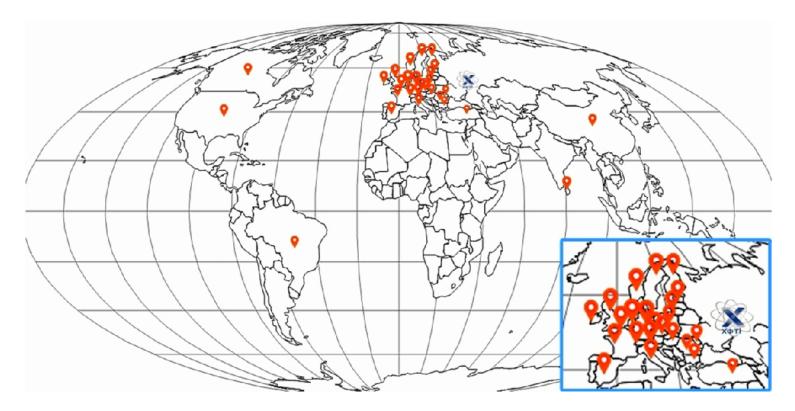
· Based on the lists of needed equipment, the ILOs together with RLLogistica will find doners

https://rilogistica.eu/equipment-list/

				KIPT conatct persons of
#	EQUIPMENT	pcs	Requested KIPT department(s)	request
1	Infrared microscope with spectrometer, Shimadzu (Japan) or analogues	3		
		1	DEPARTMENT OF PHYSICS OF THE SOLID AND CONDENSED STATE OF MATTER	Volodymyr Sokolenko, e-mail: <vsokol195@gmail.com></vsokol195@gmail.com>
		1	DEPARTMENT OF PLASMA DYNAMICS	lgor Garkusha, garkusha@ipp.kharkov.ua
		1	SRC ACCELERATOR NUCLEAR SYSTEMS, LAB 39-00	Andrii Zelinskii, e-mail: zelinsky@kipt.kharkov.ua
2	Multizone growth furnaces, Mellen (USA) or analogues	4		
		1	DEPARTMENT OF INTENSE VACUUM- PLASMA TECHNOLOGIES	Lyudmyla Martynenko, e-mail: fishkikyivstar199101@gmail.com
		1	DEPARTMENT OF PURE METALS, METALLOPHYSICS AND TECHNOLOGY OF NEW MATERIALS, Iab. 11-20	Mikhail Tikhonovsky, e-mail: tikhonovskym@gmail.com
		1	DEPARTMENT OF PHYSICS OF CHARGED PARTICLE BEAMS AND ION	Oleg Manuilenko, e-mail: ovm@kipt.kharkov.ua
		1	DEPARTMENT OF MAGNETOPLASMA TECHNOLOGIES AND SMALL-SIZED	Yuferov V. B., e-mail: V.B.YUFEROV36@gmail.com
3	Oil-free vacuum pumps, Becker (USA) or analogues	16		
		1	DEPARTMENT OF PHYSICS OF RADIATION PHENOMENA AND RADIATION MATERIAL	Galyna Tolstolutska, e-mail: gtolst2019@ukr.net



30 COUNTRIES HAVE BEEN HOSTED KIPT EMPLOYEES





THANK YOU VERY MUCH FOR ATTENTION, YOUR SUPPORT AND SOLIDARITY WITH UKRAINE!

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