



NATO EOD DEMONSTRATIONS AND TRIALS 2023

11 - 12 October 2023

INCHEBA Expo, Bratislava, Slovakia

Event Guide

www.eodcoe.org



EOD COE
Slovakia



C-IED COE
Spain



MILENG COE
Germany



HQ NATO
ESC Division



Counter-IED Report
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Counter-IED Report

WELCOME TO

successful and irreplaceable event sought by
SMEs, academia and industry





“ EOD community meet again to strengthen relationships, share knowledge, and make connections. ”

Dear distinguished guests, exhibitors, speakers, visitors, dear ladies and gentlemen,

we are delighted to welcome you at the seventh iteration of NATO EOD Demonstrations and Trials 2023, in Bratislava, the capital of Slovakia.

The EOD Demonstrations and Trials series facilitates multinational cooperation on capabilities enhancement through the Defence against Terrorism Programme of Work (DAT POW) and are hosted and organised by the EOD Centre of Excellence. This year, the event is supported by C-IED COE from Spain, MILENG COE from Germany and JCBRN COE from the Czech Republic, which are close to our specialty.

The event, with a leading motto “Future EOD development in light of modern conflicts and technological progress”, brings together not only technological and scientific experts, but also EOD personnel with hands-on experience from current operations.

Please, enjoy your time, use the valuable opportunity to speak directly to exhibitors to gain technical specifics of their products. Observe the real performance of their equipment during live demonstrations, as well as do not miss valuable presentations delivered by the recognized speakers at the conference.

I believe, you will fruitfully utilise the whole event to enrich your knowledge and enlarge your connections in this Community of Interest.

Once again, thank you for joining us and for your contribution to the NATO EOD Demonstrations and Trials 2023.

COL František MIHALOVIČ
Director, EOD Centre of Excellence

ABOUT THE EVENT

The NATO EOD Centre of Excellence (EOD COE) organises the 7th NATO EOD Demonstrations and Trials 2023 a two-day event on a biennial basis. The leading theme of the event is **“Future EOD Development in Light of the Modern Conflicts and Technological Progress”** as a challenge for EOD/IEDD experts, scientists, producers, industry and SMEs involved in the fight against terrorism.

Bringing together the operational requirements, armaments and technological EOD-related entities from NATO and partner nations is considered as a regular need for CNAD DAT POW to create solutions/ways ahead and to transfer them into reality.

The event is held under the sponsorship of the NATO HQ ESC (Emerging Security Challenges) Division and is organised by the the NATO EOD Centre of Excellence, Slovakia, with media support of Counter-IED Report.



STATIC EXHIBITION

as a common platform for companies, institutes and NATO bodies.



CONFERENCE

as an open space for discussions, networking and sharing knowledge and information.



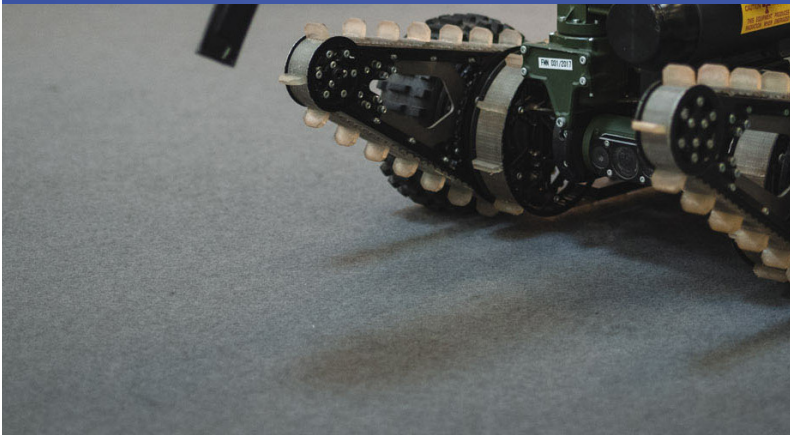
LIVE DEMONSTRATIONS

as an opportunity for companies to present EOD products.



LEADING THEME

“Future EOD development in light of modern conflicts and technological progress”



...to broaden knowledge about current and future aspect of EOD related technology, capability horizons and confirms or identifies the area of shortfalls.

Discussions and demonstrations of technologies, TTPs and different organisations approaches continuously help to shape further DAT POW effort and roadmaps.

46

exhibitors from
17 countries

342

visitors from
24 countries

24

recognized
speakers

390

minutes of
live demonstrations

11 OCTOBER 2023 EVENT SCHEDULE

08.00 - 15.30	On-site Registration
09.00 - 16.00	Static Exhibition
10.00 - 10.30	Opening Ceremony
11.00 - 16.00	Live Demonstrations
12.15 - 13.30	Hosted Lunch for VIPs
- 16.00	End of Static Exhibition and Live Demonstrations
16.30 - 18.30	Reception for VIPs



Conference, Live Demonstrations and Static Exhibition are taking place **ONLY** in Hall B0.

Restaurant for public is open from: **09.00 - 16.00**

Refreshment zone will be **CLOSED** during Opening Ceremony and Conference.

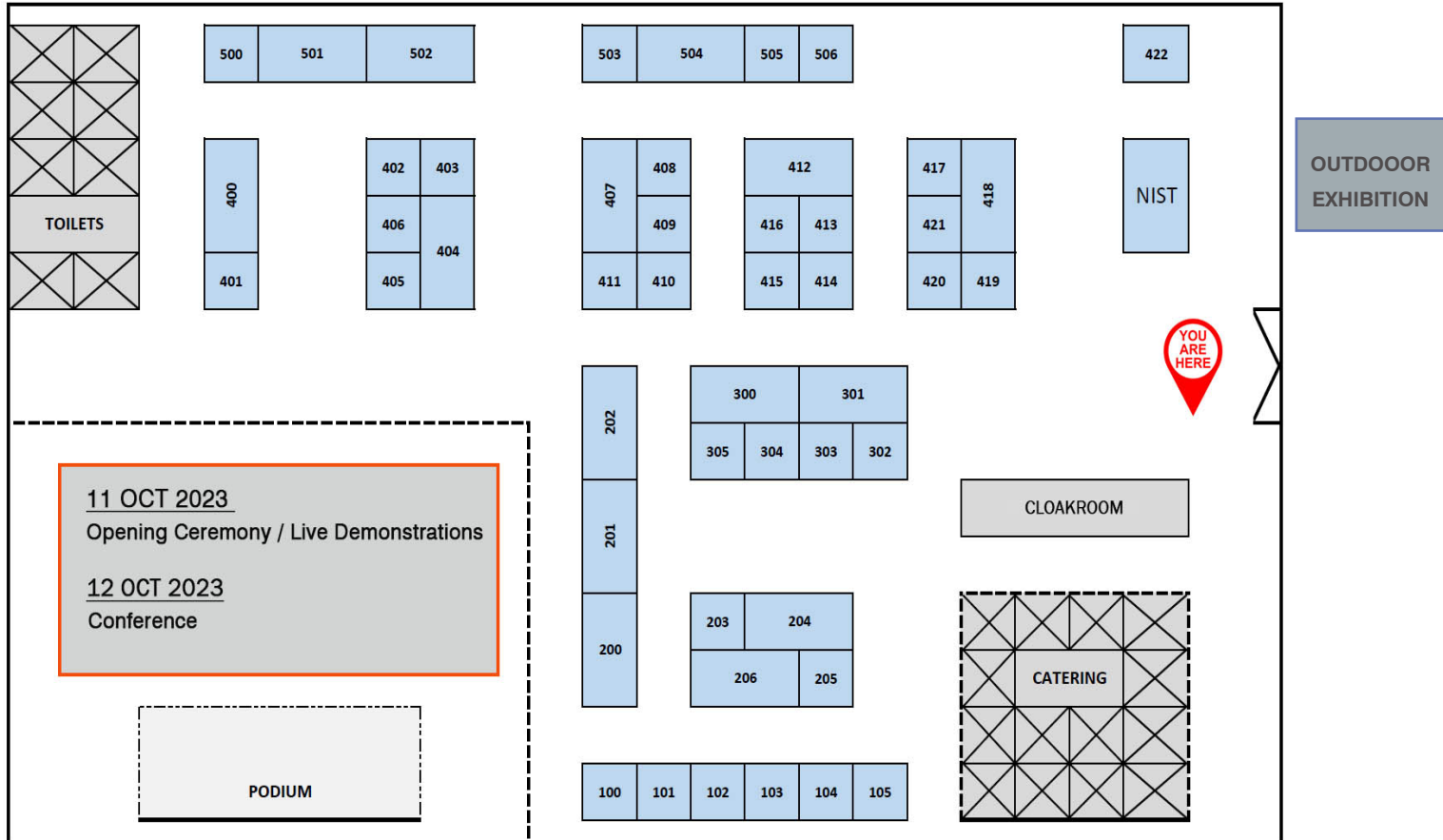


EVENT SCHEDULE 12 OCTOBER 2023

08.00 - 15.30	On-site Registration
09.00 - 16.00	Static Exhibition
08.55 - 09.00	Conference Opening
09.00 - 10.30	Conference Block I
10.30 - 11.00	Coffee Break
11.00 - 12.00	Conference Block I
12.00 - 13.00	Hosted Lunch for VIPs
13.00 - 14.30	Conference Block II
14.30 - 15.00	Coffee Break
15.00 - 16.00	Conference Block II
16.00 - 16.05	Conference Closing Remarks and End of Exhibition



EXHIBITION LAYOUT - HALL B.0



No	Company	No	Company	No	Company
500	SCANNA MSC Limited United Kingdom	410	Canadian Technology Systems Canada	304	HeroSight EODynamics AB Sweden
501	VC Security by Visiconsult Germany	411	Lukasiewicz - PIAP Poland	305	Explotrain LLC United States
502	ATC SiPro GmbH/BA Clearance GmbH Germany	412	NOVO DR Ltd Israel	200	RMI s.r.o. Czech Republic
503	NATO EOD COE Project ETACS	413	BSST GmbH Germany	201	PYRA, s.r.o. Slovakia
504	EOD Centre of Excellence	414	Davey Bickford Defense France	202	MED-ENG Canada
505	MILENG Centre of Excellence Germany	415	VALLON GmbH Germany	203	Telerob Gesellschaft fur Fernhandierungstechnik GmbH German
506	C-IED Centre of Excellence Spain	416	Way Industries a.s. Slovakia	204	3MON s.r.o. Slovakia
400	NIC Instruments United Kingdom	417	4Experience Sp. z.o.o. Poland	205	QinetiQ Inc. United States
401	Chemring Technology Solutions/Boston Dynamics / United Kingdom	418	UNMANNED SOLUTIONS s.r.o. / Zetor Engineering Group / Slovakia	206	URC Systems s.r.o. Czech Republic
402	Institute Dr. Foerster GmbH and Co.KG Germany	419	Fenix Insight United Kingdom	100	Teledyne ICM / Teledyne Flir Belgium
403	DeNovus GmbH Austria	420	Inert Products LLC United States	101	Alakai Defense United States
404	ICOR Technology Canada	421	University of Zilina, Faculty of Security Engineering / Slovakia	102	SENSYS - Sensor Systemtechnologie GmbH Germany
405	Vidisco LTD Israel	422	National Institute of Standards and Technology United States	103	Intelligence - Sec. United Kingdom
406	Alford Technologies United Kingdom	300	Brokk Security and Rescue Solutions Sweden	104	RSI Europe Lithuania
407	Jakusz Sp. z.o.o. Poland	301	GARANT Schutztechnik GmbH Germany	105	Milson OU Estonia
408	Terrogence Global Israel	302	MS TECH Ltd United States		
409	CEIA SPA Italy	303			

11 OCTOBER 2023 LIVE DEMONSTRATIONS

11.00 - 11.25	Jakusz Sp. z.o.o.	<i>Isolation of explosives in explosionproof container, its cooperation with robot, isolation of explosive without human intervention</i>
11.30 - 11.45	Scanna MSC Ltd	<i>Counter threat screening and detection solutions</i>
11.46 - 11.56	Lukasiewicz - PIAP	<i>Heavy pyrotechnic robot PIAP IBIS, cooperation of robot with the x-ray system</i>
11.57 - 12.12	RMI s.r.o.	<i>Safe stand Off detection of difficult and dangerous samples with Raman Spectrometry</i>
12.13 - 12.28	GARANT Schutztechnik GmbH	<i>Bombsuit</i>
12.29 - 12.44	Med-Eng	<i>EOD tools for operator safety</i>
12.45 - 13.00	ICOR Technology	<i>ICOR CALIBER flex robot and Proparms 20mm Neutrex RSP demonstrations</i>
13.01 - 13.21	Vidisco LTD	<i>XPAS/HAWK PRO</i>
13.22 - 13.42	DAVEY Bickford Defense	<i>Electronic detonator</i>
13.43 - 14.03	3MON s.r.o.	<i>EOD ATRAX</i>

LIVE DEMONSTRATIONS 11 OCTOBER 2023

14.04 - 14.19	Explotrain LLC	<i>Fuze XR w/ Live simulation</i>
14.20 - 14.30	4Experience Sp. Z.o.o.	<i>Defending the Future: from simulation to success</i>
14.31 - 14.51	Teledyne ICM	<i>Fastest way to determine a threat of an unattended package using X-ray</i>
14.52 - 15.07	QinetiQ Inc.	<i>Robotics</i>
15.08 - 15.28	Alakai Defense	<i>Argo, SAFR - advanced standoff detection</i>
15.29 - 15.44	RSI Europe	<i>RISE-1</i>
15.45 - 15.55	Fenix Inside	<i>AI in support of analysis of information pertaining to ERW, UXO, IED worldwide</i>

12 OCTOBER 2023 CONFERENCE BLOCK I

“Cutting-edge Technology for EOD Activities”

Block Leader - MAJ Adrian PETER, NATO EOD COE, Slovakia

Technologies to Support EOD Training

09.00 - 09.25	ETACS Project	<i>LT David SLATKOVSKY NATO EOD COE</i>
09.25 - 09.50	Stand-off Detection of Explosive Hazards	<i>Dr Arnold SCHOOLDERMAN TNO Defense, Safety and Security</i>
09.50 - 10.10	YOLO - Deep Learning Model for UXO Detection in Thermal Video	<i>Milan BAJIC University of Applied Sciences</i>
10.10 - 10.30	Modeling & Simulation for Information and Evaluation for Decision Makers Connected with EODs Activities on Civilian and Industrial Environmental	<i>Dr Alberto De PAOLI University of Genova</i>

Future Technologies Shaping EOD Activities

11.00 - 11.30	Technology Possibilities for Emerging Bomb Suits	<i>Dr Aris MAKRIS Med-Eng, the Safariland Group</i>
11.30 - 12.00	AI for EOD	<i>Prof John FRUCCI Oklahoma State University</i>

CONFERENCE BLOCK II 12 OCTOBER 2023

“EO Threat Mitigation in a Hostile Environment”

Block Leader - LTC Alexander HUGYAR, NATO EOD COE, Slovakia

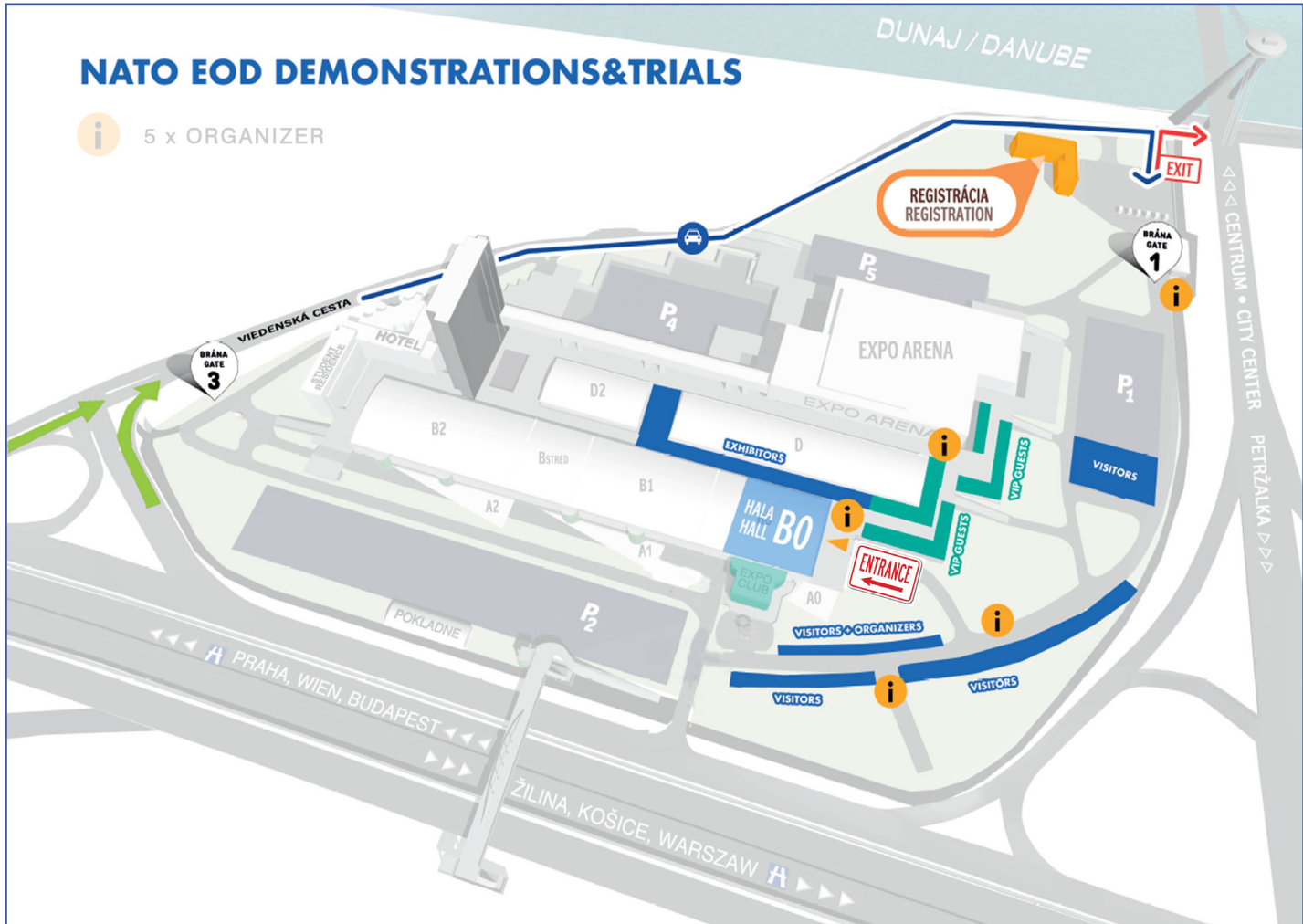
Current Intensive Armed Conflicts		
13.00 - 13.30	Mitigation the Threat of Terrorist Bombing Attacks	<i>Mr Jason STEWART U.S. Department of Homeland Security</i>
13.30 - 14.00	Weaponized UAVs in Ukraine Conflicts	<i>Mr Michael CARDASH National Police Bomb Disposal Division</i>
14.00 - 14.30	Rapid Cycle Learning for Effective Remedial Action and Dissemination of Learnings	<i>Dr John TULL, Dr Rebecca JENSEN University of London</i>
EOD within Stability Operations and Other Missions		
15.00 - 15.30	EU TM MALI Experience as J-3	<i>LTC Rene HECKO Armed Forces Academy</i>
15.30 - 16.00	Experience EOD Technician Team Leader MINUSMA Experience of Staff Officer MINUSMA	<i>2nd LT Ian DHOOGHE Belgian Defense</i>
16.00 - 16.05	Closing remarks	<i>COL Frantisek MIHALOVIC NATO EOD COE</i>

LIST OF EXHIBITORS



NATO EOD DEMONSTRATIONS&TRIALS

i 5 x ORGANIZER





ADDRESS OF THE EVENT

Viedenská cesta 3
851 01 Bratislava
Slovak Republic

GPS

48° 08' 1.03" N
17° 06' 3.54" E

