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Hotzone Solutions Group

Possible Support to the Training Programmes of OPCW

The 18th Annual International Chemical
Weapons Demilitarisation Conference
(CWD 2015)
London
3 - 5 June 2015

Olivier Mattmann
CEO, HZS Group

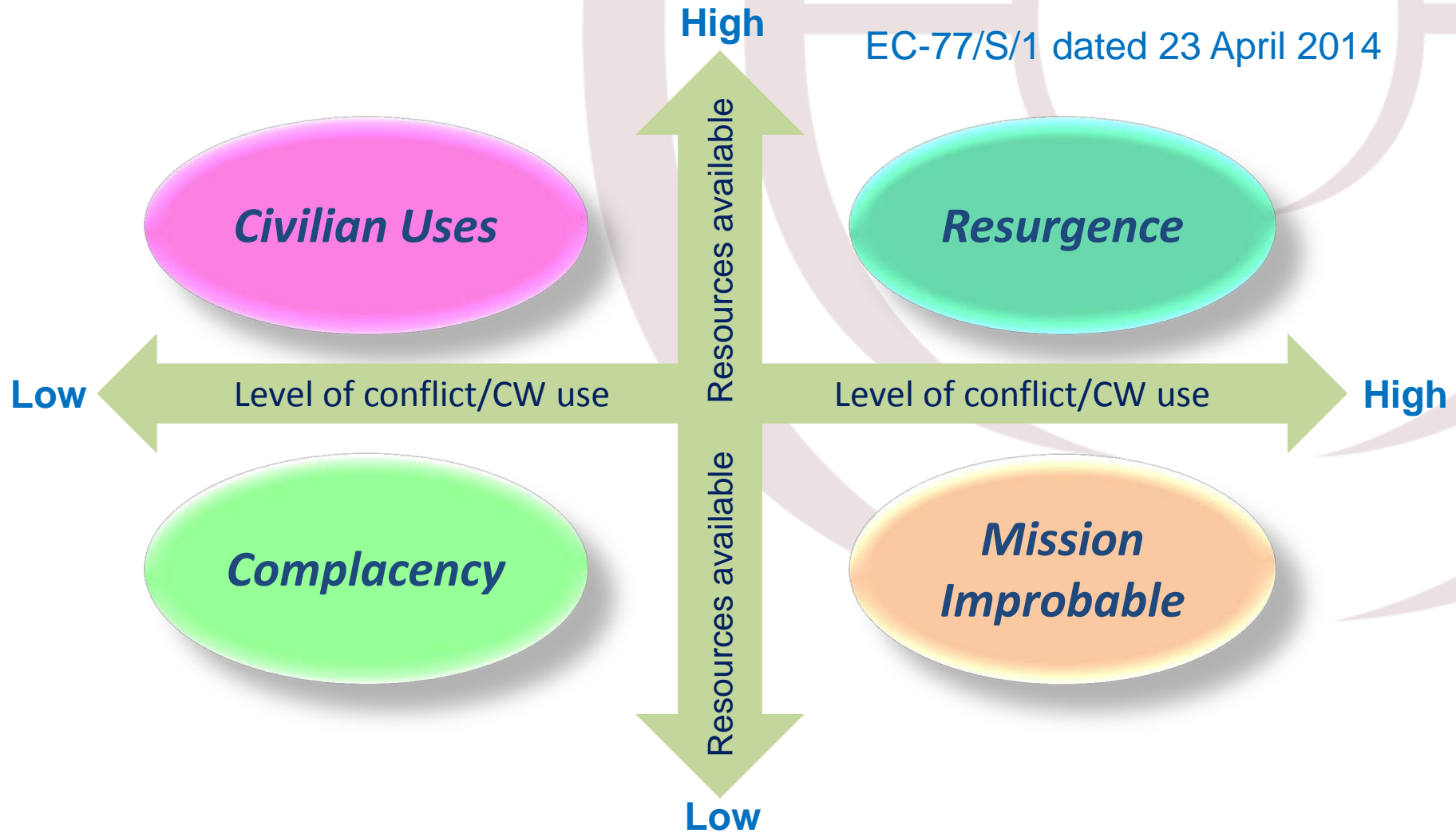
Dr. Yaugen Ryzhykau
Special Projects/
Senior Consultant HZS Group



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OPCW Mid-Term Plan 2015-2019

EC-77/S/1 dated 23 April 2014



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OPCW Mid-Term Plan 2015-2019

- ❑ To achieve results in the full and effective implementation of the Organisation's core objectives the OPCW needs:
 - ❑ improving knowledge management
 - ❑ augmenting the Organisation's adaptive capacity, and
 - ❑ pursuing more systematic and sustainable engagement with external stakeholders



Achieving results in verification

- ❑ The Secretariat will augment its capabilities under Articles IX and X
- ❑ Verification activities will continue for OACWs and ad hoc inspections in the form of technical assistance of suspected chemical weapons might occur
- ❑ Resources released through the decrease in routine Article IV and V inspections can be utilised in support of the other goals of the Organisation, including capacity development, training (as part of knowledge management), and the development of a multi-skilled workforce
- ❑ Enhancing the Organisation's adaptive capacity through the possible hiring and training of former Secretariat staff at short notice



Achieving results in capacity development

This will be achieved by:

- ❑ developing and delivering a standardised system of training and capacity building, founded on a framework of basic and advanced training courses and capped by table-top and practical training exercises
- ❑ the existing network of specialist training facilities made available to the Secretariat will be used as a source of specialist training for trainers who, in turn, will serve as specialist resources for the above-mentioned regional and sub regional training regime



Having the right talent in the right place

- ❑ OPCW governance initiatives in, knowledge management, ..., and human resources management ... to be able conduct of CIs or IAUs
- ❑ Augmenting the Organisation's governance will also strengthen its position vis-à-vis external actors, and provide it with more credibility and agility in its engagement efforts



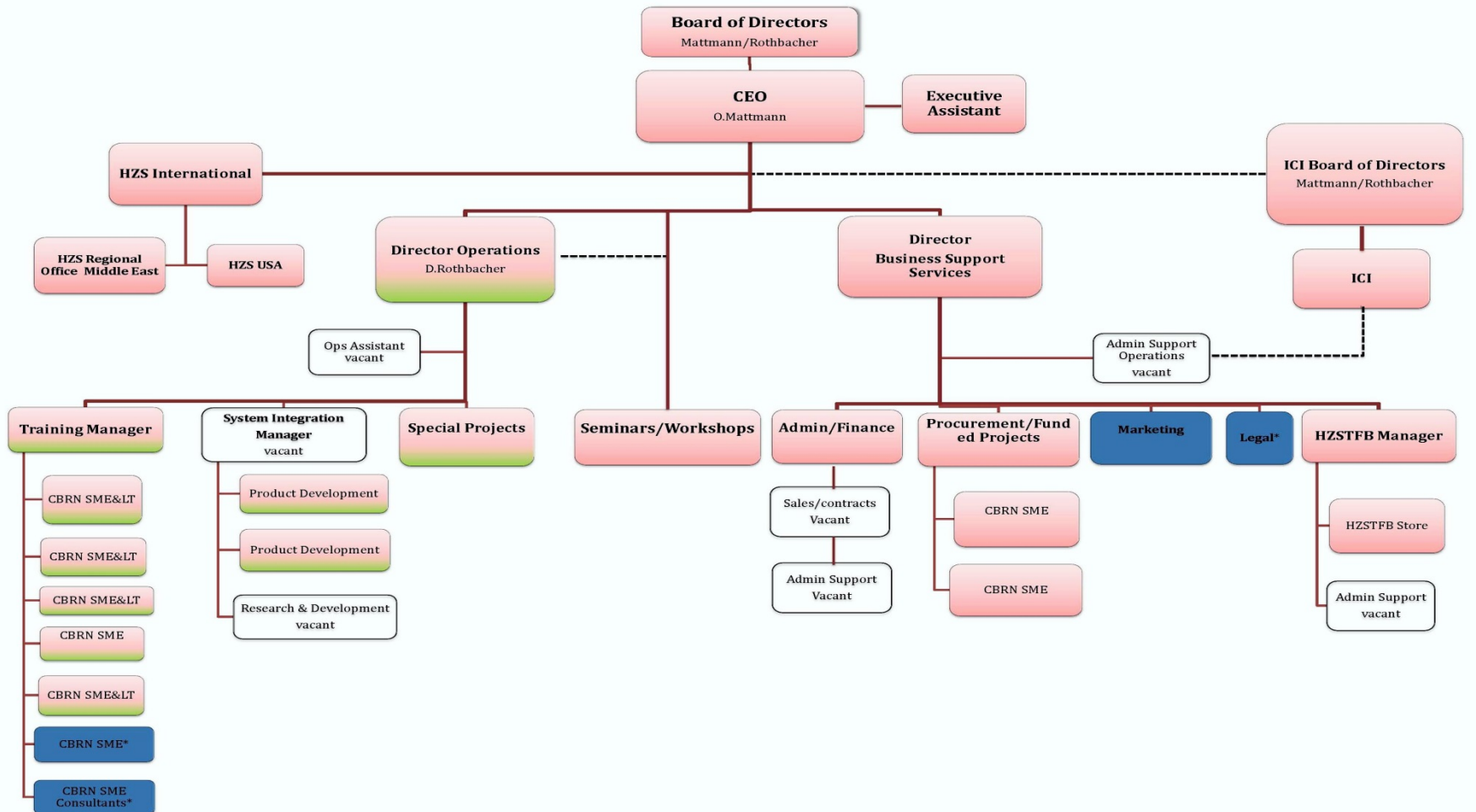
HZS Group foundation

Hotzone Solutions (HZS) Group is an international training and consulting company founded by a group of former OPCW Staff Members at the end of 2010 are servicing on fixed term and/or ad hoc contracts:

- ❑ current and former military and civilian NBC defence officers and CBRN specialists
- ❑ former Inspection Team Leaders, weapons inspectors, analytical and industrial chemists, NDE specialists of:
 - ❑ United Nations Special Commission (UNSCOM)
 - ❑ United Nations Monitoring, Verification and Inspection Commission (UNMOVIC)
 - ❑ United Nations Office of Project Services (UNOPS)
 - ❑ Joint OPCW/UN mission in Syria
- ❑ former high level management members of the OPCW Technical Secretariat, including DG, Director of Special Projects, Policy and Review Branch, Special Adviser to the DG and other
- ❑ Inspectors/Team Leaders and HQ staff specialised in OPCW inspections at CW, OACW, CWPF, CWDF, industrial and special missions; development, execution and evaluation of CI and IAU exercises
- ❑ highly qualified CBRN forensic investigators, EOD, CBRN first responders, medical, equipment and logistic specialists



HZS Group structure





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HZS expertise and consultancy



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HZS Group Global Approach



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HZS Group Mission

- ❑ HZS Group mission is to enable first responders to prevent, prepare for, respond to, and recover from the full spectrum of CBRNE threats
- ❑ These threats include industrial accidents, acts of domestic and international terrorism involving: chemical, biological, radiological, nuclear, and explosive (CBRNE) materials
- ❑ Uniquely offered training programs are involving Live CBR Agents:
 - ❑ CWA - HD, L, GB and VX;
 - ❑ bio substances - Anthraxes, Plague, Bacillus species, Yersinia species and Ricin;
 - ❑ open radioactive sources/radionuclides, - Caesium-137, Strontium-90, Americium-241, Cobalt-60, Uranium-235, Plutonium-239 and other which have been spread after 1986 Chernobyl NPP reactor explosion



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Customers and Partners

OPCW



Law Enforcement



Military



Emergency Responders



Medical Personnel



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Assistance

Sporting Events



Critical Infrastructure



Dignitary Protection



Large Events



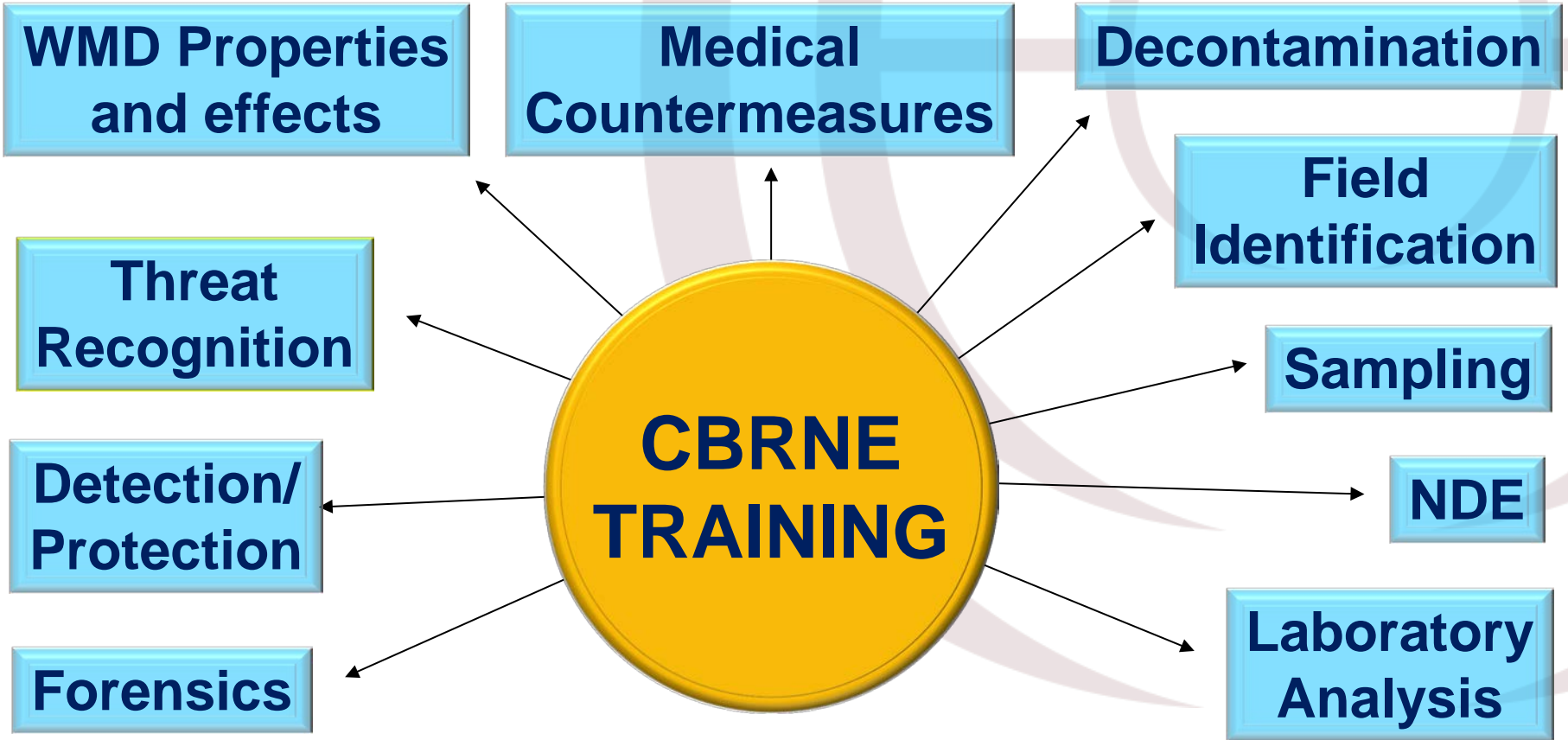
Soft Targets



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HZS TRAINING



On-site
(specially formulated simulants)

Live Agent
(tailored to clients needs)



HZS training capabilities

- HZS is focused on providing realistic and practical chemical, biological and radiological/nuclear training to the military, law enforcement, emergency response and security communities
- HZS staff has experience in delivering training at all major live agent training

centres and other relevant facilities

Worldwide:

Live Agent Training:	Other Training Locations:
Suffield, Canada	Suippe, France
Vyškov, Czech Republic	Vught and Culemborg, The Netherlands
Krusevac, Serbia	Belgrade, Serbia
Zemianske Kostolany, Slovak Republic	Porton Down, United Kingdom
Seibersdorf Laboratories	Labor Spiez, Switzerland
ICHc, Slavutich, Ukraine	Civitavecchia, Italy
SUJCHBO, Czech Republic	IRPD, Belarus



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HZS Partners

Academy of Public Safety and Security



Avon Protection



French High Committee for Civil Defense (HCFDC)



NANObiz



Ouvry



Störfallmanagement Stolar e.U.



AirBoss-Defense



BLÜCHER



IRPD



NBC-Sys



Proengin



TNO



AVEC



Environics Oy



Marble ChemBio Consulting



ORITEST



Seibersdorf Laboratories





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HZS Group training/consultancy expertise and development (1)

- ❑ Actual field experience (war zones, Live Agents used, decontamination/destruction, safety arrangements)
- ❑ Technical and technological expertise and execution of CW destruction projects (experience in relation to CW, OACW and CW in hazardous condition destruction) in different countries
- ❑ Development of exercises, management and conduct (CI, IAU and CBRN forensic investigation)
- ❑ National Authorities training (Middle East, South America and Eastern Europe)
- ❑ Support to National Authorities to the OPCW in establishing national and regional Centres of Excellence (Belarus, Belgium)



HZS Group training/consultancy expertise and development (2)

- ❑ Development of training and services to suit the user (as in accordance with its common duties and scenarios)
- ❑ Commercial user based products (testing and calibration with use of Live agents/CBR materials)
- ❑ Increasing market share (CBRN tools/tool boxes integration)
- ❑ Expanding global customer base (CBRN laboratories and protection sets development and supplying)
- ❑ Progressive' whilst remaining customer focused (advance training and master CBRN protection programs)



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Live-Agent Training

Almost 5000 man*days of training per year



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Live-Agent Training and equipment testing



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Training facility for illicit laboratory investigation



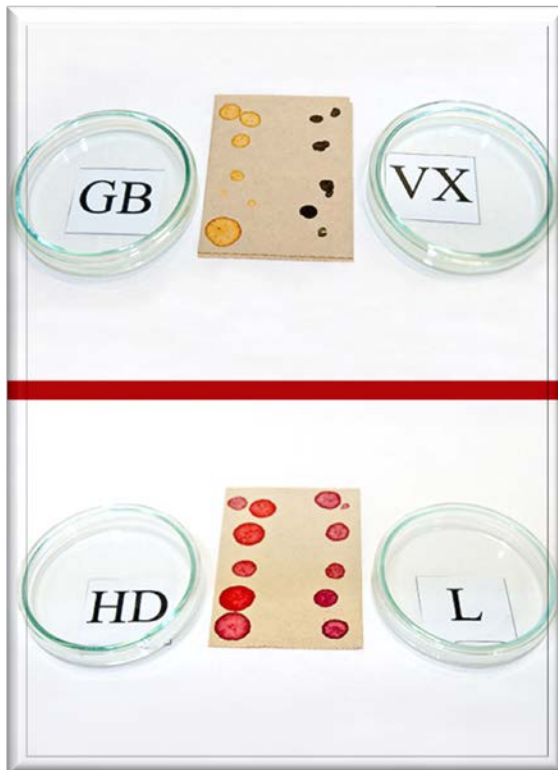
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HZS CWA simulants

of HD and GB, GD, and VX is simulated persistency, viscosity, volatility, behaviour in water, and with field detection tools such as: CALID-3 paper, AP2C, AP4C, CAM, LCD 3.3, RAID, RAID-M, RAID-M100 and PM2012M.



REGISTERED
INTERNATIONAL
PATENT WO2013/064305



The user kit is designed for trainers to be able to easily place out the simulant for training

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HZS CWA simulants

- ❑ Full Kit contains approximately 1 litre of Simulant (HD 330ml, G agents 330ml and VX 330ml)
- ❑ The HZS simulants are non-toxic when used by professional users, easy to use, and biodegradable
- ❑ SDS is available and registered



Peli storm 1040 case



Our customers:

- ❑ NATO countries
- ❑ Middle East
- ❑ Eastern Europe
- ❑ Australia
- ❑ USA
- ❑ OPCW

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HZS Group, EU Commission, NATO and other projects

EUC Projects Consortium Membership

- Improved First Responder Ensembles Against CBRN Terrorism (**IF REACT**) - 2012-1014
- End-user driven **DE**mo for cbrNe (**EDEN**) - 2013-2016

Other Projects

- NATO annual CBRN protection courses participation
- Chemical, Biological, Radiological and Nuclear (CBRN) **Advanced Training Curriculum** the Hague (**CATCH**) – 2010-2012



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International CBRNE Institute (ICI)

International Non Profit Organization (INPO) established in October 2013



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ICI Mission

- ❑ The range and scope of the ICI's activities are aimed towards enhancing CBRNE risk mitigation on a regional, national and international level
- ❑ ICI is an independent organisation, which shares the same premises than the HZSTFB



ICI Activities

- ❑ Conducting workshops and seminars
- ❑ Being a center of expertise where CBRNE experts, national and international agencies and organizations can find the necessary knowledge and skills for the mitigation of CBRNE threats
- ❑ Planning to use as Centre of Excellence by Belgium National Authority for the OPCW



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LOCATION: Les Bons Villers BELGIUM



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ICI facilities



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Training at ICI/HZSTFB



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HZS Possible Support to training activities of the OPCW

- NDE advanced course
- LAT courses support (basic, advance and scenario), including LAT safety training requested at short notice which could be done by HZS
- CI and IAU scenario and exercise scripts drafting
- CI and IAU table top exercise



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ICI Possible Support to training activities of the OPCW

- ❑ Assistance and Protection activities under Article X of the CWC
 - ❑ Basic Course in Assistance and Protection against CW
 - ❑ Advanced Course in Assistance and Protection against CW
 - ❑ Course on Sampling and Identification of Chemical Agents (SIBCA)
 - ❑ Train-The-Trainer Live Agent Training
 - ❑ Provision of qualified instructors for various Assistance and Protection activities of the OPCW



HZS strengths to support of the OPCW programs

- ❑ Deep knowledge of TS/OPCW safety regulations and training requirements, SOPs and WIs
- ❑ Experience and knowledge in specialised training program development and executions for inspectors during service with OPCW
- ❑ High level multiple CBRN relevant and unique professional expertise and an extended practical experience in CW related issues, CW destruction and investigation
- ❑ Post OPCW service work in area of CBRN training, including live agent training
- ❑ Continuous CBRN training providing and self improving training
- ❑ Continuous activity in international environment



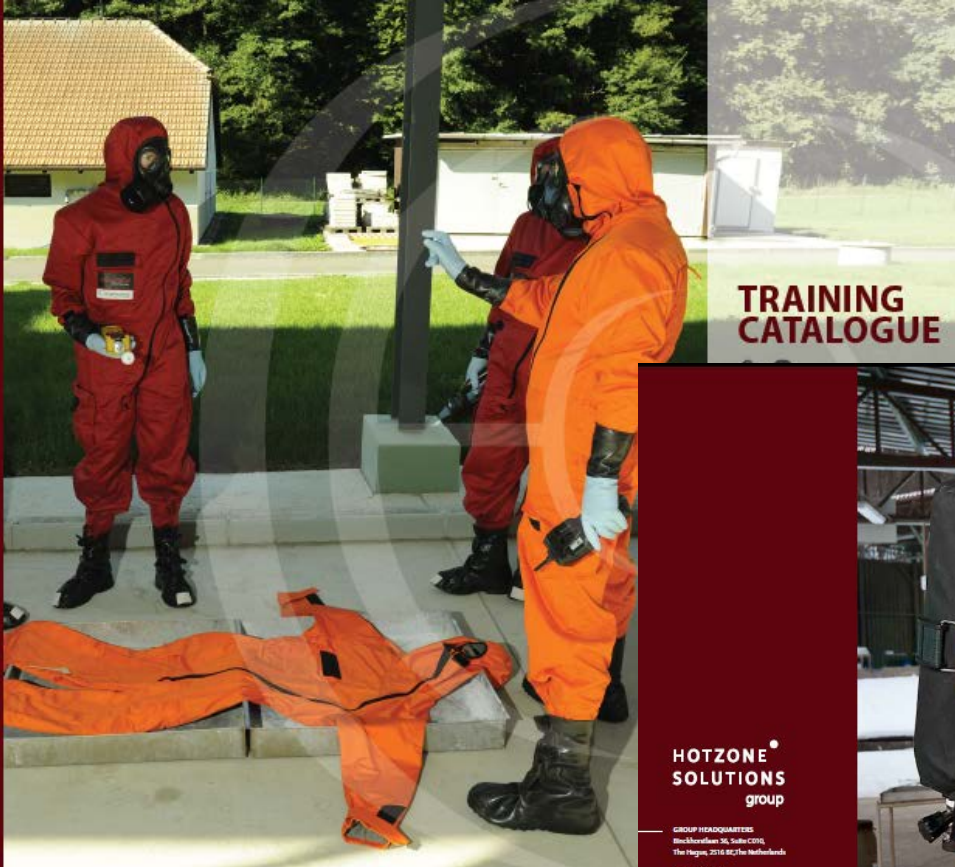
Conclusion

The support of Hotzone Solutions Group, especially its reactivity, adaptability, and flexibility, will no doubt be an asset in assisting the Technical Secretariat of the OPCW in meeting its forthcoming challenges and mitigating certain aspects of the uncertainties underlined in the four plausible scenarios described in the Medium-Term Plan covering the period from 2015 to 2019



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Thank You !



**TRAINING
CATALOGUE**

**HOTZONE[®]
SOLUTIONS
group**

GROUP HEADQUARTERS
Pijnassengracht 6
2514 AA, The Hague
The Netherlands

T +31-702628704
F +31-707846835
E info@hotzonesolutions.com

registered at the Chamber of Commerce
Haaglanden (The Hague) no. 27300123
VAT no. NL-822422323.001

**HOTZONE[®]
SOLUTIONS
group**

GROUP HEADQUARTERS
Buckhofsweg 36, 2016 CD, COO,
The Hague, 2516 CD The Netherlands

T +31-702628704
F +31-707846835
E info@hotzonesolutions.com
www.hotzonesolutions.com

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**COMPANY
PROFILE**

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