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# **OFFICIAL SHOW REVIEW**

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대한민국방위산업전 DX KOREA 2020

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# **EXHIBITION OVERVIEW**

### Title

DX KOREA 2020 (Defense & Security Expo Korea)

### Date

2020. Nov. 18(Wed) ~ 20(Fri) / 3days \* To prevent the spread of Covid-19 , held as a business exhibition only / for invitee & officials

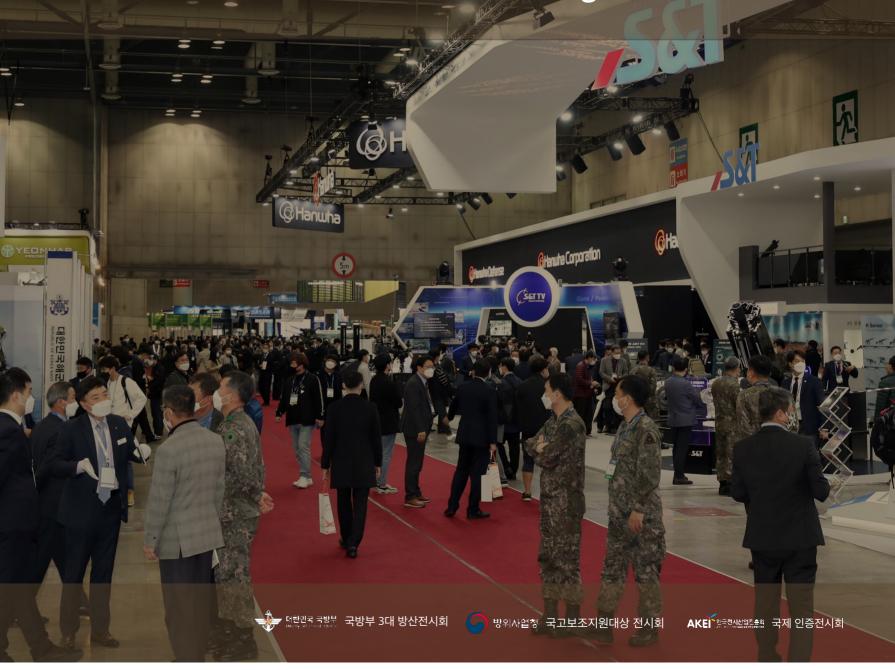
### Location

KINTEX Exhibition Center II Hall 9, 10 & Outdoor Display Area / R.O.K. Army Training Centre in Yangpyeong

### Host / Organizer



# Asia-Pacific's Best Defense Networking Platform





### **Conference & Seminar**

Date	Title	Time	Location	Host
18 (Wed)	Defense Industry CEO's Conference	11:00 ~ 11:50	Room 303-4	Ministry of National Defense
	Himalaya Forum	14:00 ~ 16:30	Room 301-2	DXK Organizing Committee
	2020 Aerospace thesis Award Ceremony	14:40 ~ 16:00	Room 305	KAI
	Advanced Defense Science Technology Forum	14:00 ~ 16:00	NST Hall	DXK Organizing Committee

Date	Title	Time	Location	Host
l9 Thu)	DX Korea 2020 ROK Army International Conference	09:30 ~ 16:20	Room 303-4	ROKA / KRINS
	Ground Forces Advancement Plan Seminar	13:00 ~ 17:00	Room 305-6	AROKA
	Defense Venture Technology Transfer Conference	13:30 ~ 16:00	Room 307	DTaQ
	Himalaya Forum	15:00 ~ 18:00	Exhibition Hall	DXK Organizing Committee
	Prevention Covid-19 Seminar	14:00 ~ 16:30	Hall 6A	The Armed Forces Medical Command

Date	Title	Time	Location	Host
20 (Fri)	DX Korea 2020 ROK Army International Conference	10:00 ~ 12:20	Room 303-4	ROKA / KRINS
	Netherlands-Korea Defense Industry Cooperation Webinar	16:00 ~ 17:30	Room 304	Kodits
	Domestic Weapon Priority Acquisition System(BKD) Plan Public hearing	14:00 ~ 16:30	Exhibition Hall	DAPA
	Dronbot Combat Development Forum	09:30 ~ 17:00	Room 306	Korea Drone Innovation Association



### Defense Industry is

the core business that laying the foundation for 'accountable national defense' and 'strong security.' **Suh Wook**, Minister of National Defense DX Korea, is more meaningful than ever, bringing together defense industry and officials from around the world.

Min Hongcheol, Chairman of the National Assembly Defense Committee

### Good morning.

I am Suh Wook, Republic of Korea Minister of National Defense. First, I would like to express my congratulations for the successful hosting of the Defense and Security Expo Korea 2020.

I would also like to extend my sincere gratitude to the members of the Association of the Republic of Korea Army, especially Chairman Kwon Oh-sung, for this meaningful event for national security and defense industry development.

I would further like to express my gratitude and welcome to the Chairman of the National Defense Committee of the National Assembly, Representative Min Hongchul, defense company representatives, and all other distinguished visitors.

Of course, I would also like to extend my gratitude to Major General Al-Ameri, Commander of the UAE Land Forces; Undersecretary Elefante from the Philippines Department of National Defense; and all foreign delegations, who made the long trek here to the Republic of Korea despite the difficulty of the current situation due to COVID-19.

DX-Korea is the finest defense and security expo in Asia, in which the most outstanding ground weapon systems from nations all over the world are exhibited. Since its first iteration in 2014, DX-Korea has solidified its position as the platform for international cooperation to construct cutting-edge national defense power. Notably, I believe this year's DX-K is particularly meaningful as it was hosted to continue defense exchange and cooperation despite the COVID-19 situation.

#### Distinguished guests,

Defense industry is the powerhouse behind economic growth, propelling cutting-edge science and technology, and industry development.

Furthermore, it is the nation's core industry, laying the foundation for 'accountable national defense' and 'strong security.' The Republic of Korea was a wasteland in terms of defense industry in the immediate aftermath of the Korean War, but has since risen to become the 9th strongest defense science and technology power in the world today,

And has become a major power in defense industry, indigenously developing and exporting a full spectrum of equipment from rifles to state-of-the-art guided missiles.

### <u>"The Republic of Korea has been a pioneer in the development of future weapons, applying cutting- edge</u> technology of 'Militech 4.0,' including drones, robots and AI. <u>"</u>

Our armed forces are endeavoring in multiple directions for the defense industry's new leap.

In the next 5 years, we will dedicate over 80% of the defense enhancement budget, totaling 100 trillion won, to ensure stable growth of defense industry.

In conjunction, we will actively pursue policies to foster defense industry, and strengthen civilian-government technology cooperation for the development of the Eight Major Defense Strategy Technologies, including intelligent command and control.

# I am certain that such efforts by our armed forces will not only sharpen the competitive edge of defense industry, but also contribute greatly to the 'Korean New Deal' pursued by the Republic of Korea Government.

#### Distinguished guests,

Our armed forces are in the process of constructing power national defense power to lead the future. Notably, through Defense Reform 2.0 and Smart Defense Innovation, we are endeavoring to become a force equipped with cutting-edge science and technology, capable of facing a full spectrum of security threats. I am certain that DX Korea 2020 will showcase our armed forces' efforts and achievements, and serve as a special arena, in which the Republic of Korea's word class defense science and technology power and defense industry capabilities will be recognized. In closing, I hope this year's expo will invigorate international military exchange and defense industry cooperation, and serve as a catalyst for defense industry exportation.

Again, I would like to express my gratitude to Chairman of the Association of the ROK Army, Kwon Oh-sung, and all other relevant officials, for hosting this important expo. Please accept my wishes for continued success of all distinguished guests here today.

Thank you.

### Distinguished guests,

I am Congressman Min Hong-Cheol, Chairman of the National Assembly Defense Committee.

First of all, let me congratulate you on the successful hosting of DX KOREA 2020. DX Korea has grown successfully as one of the largest defense and security industry networking platforms in Asia.

In addition, I would like to extend my warm appreciation to all the Korean and foreign defense companies and officials, including Kwon Oh-sung, President of the Association of the Republic of Korea Army for making this event possible despite difficult situations due to the global epidemic of COVID-19 and also thank all the visitors at home and abroad for gracing the events.

As you know, countries around the world including Korea are accelerating their efforts to introduce a variety of advanced science and technology that did not previously exist in their military field amid the recent waves of the Fourth Industrial Revolution.

Majority of the new concepts, such as artificial intelligence, sensors, hyperconnectivity, and drone bots, which were unfamiliar just 10 years ago, have now become substantive enough to have been easily found on actual battlefields, and some of them are evolving into a technology, familiar to our daily lives.

### Korea's defense industry, which is taking advantage of this trend, has achieved remarkable growth. In

fact, its global defense market share, only 0.9% between 2010 and 2014, has grown to 2.1% between 2015 and 2019, and the types of weapons that Korean defense companies export have also become more diverse.

For this reason, recently there has been rising needs to improve the defense acquisition process in Korea so that various high-tech technologies, the outcome of the 4th industrial revolution, can be applied to the defense field more quickly. In addition, it has been also steadily pointed out that we need to convert the structure of the domestic defense industry mostly catering to domestic demand, to export-oriented.

Moreover, as the activities of the domestic defense industry have greatly reduced due to the global outbreak of COVID-19, the government's level of support has been gaining more importance to help the domestic defense industry overcome the crisis including localization of various weapon systems and various measures to support overseas entry of defense companies.

### In such a situation where the domestic defense industry is experiencing a great crisis, <u>I believe DX Korea, hosted by the</u> <u>Association of Republic of Korea Army, is more meaningful than ever, bringing together defense industry</u> <u>and officials from around the world.</u>

Though <u>DX KOREA 2020</u> is held under this difficult condition, I hope that it can go beyond a simple exhibition that globally promotes the excellent domestic defense technology developed based on objective assessment of international experts in the industry and <u>will serve as an opportunity to promote the development of our security and defense</u> industry and to seek a new direction to move forward.

As the Chairman of the Defense Committee of the National Assembly of the Republic of Korea, I will strive to promote various policies that will not only enhance the military power, but also contribute to innovation and prosperity in the domestic defense industry, and contribute to building a strong defense posture on the Korean Peninsula.

Lastly, I would like to thank the President of the Association of the Republic of Korea Army, Kwon Oh-sung, who worked hard for a long time until this day, and the former Army Chief of Staff Kim, Pan-Gyu, who served as the first President of the Association, and former Army Chief of Staff Kim Yong-Woo, the organizers as well as Minister of National Defense Seo Wook, and all the participating officials of the ROK Army, Navy, Air Force, and Marine Corps for your support. I wish you good health and happiness.



It will become a venue of a festival where the private, public sectors and military gather together Kwon Ohsung, President of AROKA

Distinguished guests, I am Kwon, Oh-Sung, President of the Association of the Republic of Korea Army, hosting the Defense and Security EXPO Korea.

It is my profound honor to host the opening ceremony of the 4th Defense and Security EXPO Korea today with distinguished guests from home and abroad.

First of all, I would like to express my gratitude to Chairman Min, Hong-Cheol of the National Assembly Defense Committee, Lawmaker Hong Jeong-Min and Kim, Byeong-Ju, and Minister Seo Wook of National Defense for gracing this event with your presence despite busy schedule.

I would like to also thank the Chief of Staff of the Army, delegations, and diplomatic missions from 13 countries.

In particular, I would like to express my gratitude to Army Chief of Staff Nam, Young-Shin, Naval Chief of Staff Bu, Seok-Jong, Air force Chief of Staff Lee, Seong-Yong, and Commissioner of Defense Acquisition Program Administration Wang Jeong-Hong for attending this event.

In addition, I would like to thank the heads of agencies and officials at various levels who are leading the domestic defense industry even in the difficult situation due to COVID-19, as well as the representatives, executives and employees of defense companies w eborn as a stronger and more competitive battle force amid the rapidly changing security environment and changes in troop reduction.

# Now, <u>Korea's defense industry has improved significantly in terms of quality as well as external growth</u>, and is now equipped with sufficient global competitiveness.

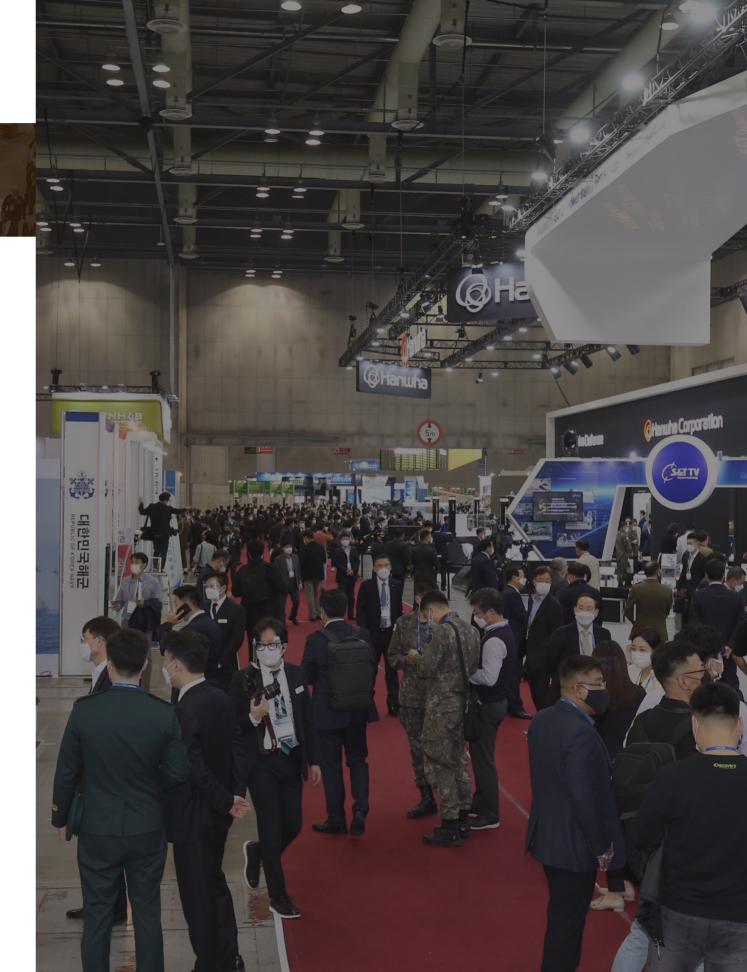
Therefore, I am confident that DX Korea will serve as the foundation for further development of the Korean defense industry by promoting the excellence of our defense industry to the world.

I hope that DX Korea will be an opportunity to take the Korean defense industry to the next level by achieving great results based on the generous support and active support of the people.

In addition, I hope that **it will become a venue of a festival where the private, public sectors and military gather together** to serve as the foundation for fostering the defense industry that will lead the era of the 4th industrial revolution, meeting the expectation of the government.

In closing, I would like to once again express my deep gratitude to the distinguished guests at home and abroad for gracing this event today, and wish the success of DX Korea 2020.

Thank you.



# **Opening Ceremony**

- Date/Location: 18(Wed). Nov. 2020. 09:30 13:00 / KINTEX Hall 10, Official Venue
- Schedule : VIP Greeting Official Opening Event Exhibition Group Tour Welcome Luncheon
- Major Guests : Minister of National Defense, Chairman of Defense Committee of National Assembly, National Assembly members, The Army Chief of staff, The Chief of Naval Operations, the Deputy Chief of the Air Force, Minister of DAPA, President of ADD, President of DTaQ, President of KARI, Vice Chairman of KDIA, The Blue House Presidential security office, International Delegations from 13 countries, Ambassadors to Korea of 16 countries, and Defense Attache from 45 countries.

Time	Contents	Time	Contents
~09:10	VIP arrived	09:37~09:43(3')	Congratulatory Address – Defense Minister, and Chairman of Defense Committee
09:10~09:30	Registration / VIP conversation	09:43~09:50(7')	Weapon Show
~09:30	VIP Entry (with quarantine regulation)	09:50~09:58(8')	Opening Ceremony Performance
09:30~09:31(1')	Opening Announcement	09:58~10:00(2')	Photo
09:31~09:33(2')	The Pledge of Allegiance	10:00~11:00(60')	Exhibition Group Tour
09:33~09:37(4')	Opening Address – President, AROKA	11:00~11:50(50')	Outdoor Exhibition Tour

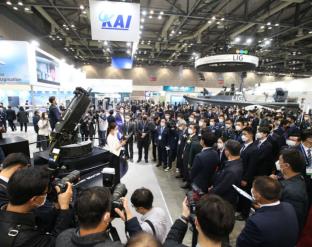
















Welcome Luncheon

대한민국방위산업전 DX KOREA 2020 DEFENSE & SECURITY EXPRON

# Welcome Luncheon

- Date/Location : 18(Wed). Nov. 2020. 12:00 13:00 / KINTEX Hall 6C
- Major Guests : Minister of National Defense, The Army Chief of staff, The Chief of Naval Operations, the Deputy Chief of the Air Force, Member of the National Assembly, Staff members of Defense Industry Companies , International Delegations, Ambassadors to Korea, and Defense Attache.















# Welcome Reception

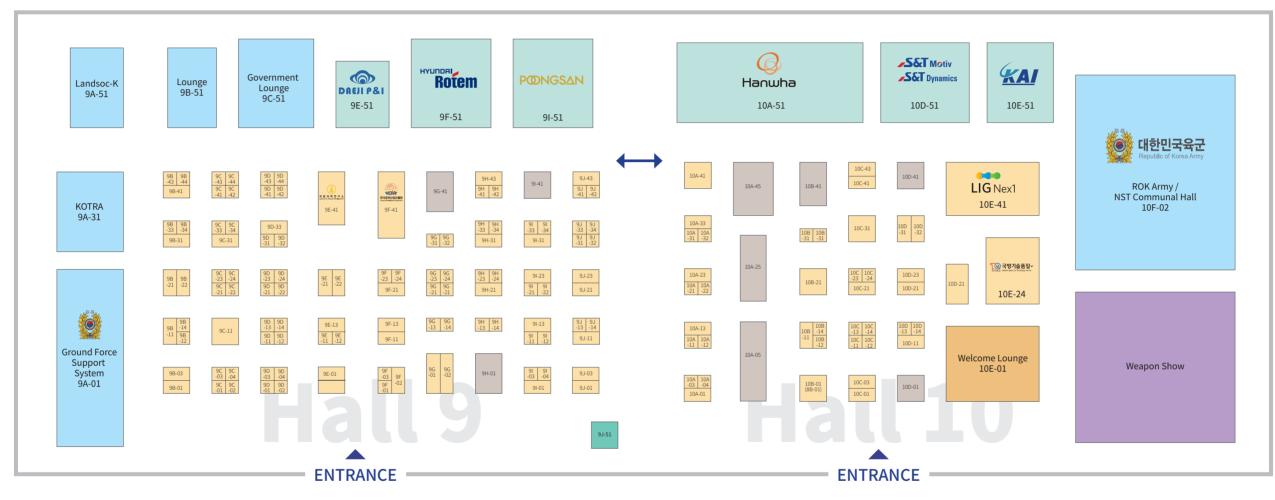
- Date : 18(Wed). Nov. 2020. 18:30 21:00
- Location : SEOUL DRAGON CITY HANRA Hall
- Major Guests : About 200 VIPs including National and International VIP, Member of the National Assembly, Participating Companies Representatives etc.
- Main Schedule : Greetings Toast Dinner Celebratory Performance

Time	Contents	Time	Contents
18:20~18:40(20`)	Registration	19:00~19:06(6`)	Toast: Member of the National Assembly, Company Representative.
18:40~18:44(1`)	Opening Video	19:06~19:21(15`)	Performance 1: Jazz
18:44~18:47(3`)	Welcoming address: Kim Yongwoo - DX KOREA Organizing Committee President	19:06~19:21(60`)	Dinner
	Congratulatory Address: Nam Yeongshin	20:21~20:41(20`)	Performance 2: Fusion Korean Traditional Music
18:47~18:53(6`)     Congratulatory Address. Nam Yeongsnin       - The Chief of Staff of the Republic of Korea Army		20:41~20:50(9`)	Farewell



Booth Floor Plan

# **Booth Floor Plan**



### Weapon System

- Tanks, Armored Fighting Vehicles, Combat Engineer Equipment, Mine-Clearing Line Charge, MRAP, etc.
- Artillery, Small Arms, Guided Weapons, Laser Weapons, Ammunition, Artillery Shells, Rockets, Bombs, etc.
- Anti-Aircraft Gun, Guided Anti-Air Weapons, Aerial Defense Radar, NBC Detection & Protection Equipment, etc.
- Helicopters, UAV, C4I Command and Control Systems, Combat Training Simulations, Communications, etc.

### Counter Terrorism, Security, Law Enforcement

- · EOD Detection & Disposal Equipment, Less-Lethal Weapons, Specialized Protection Vehicles,
- X-Ray Inspection Machines, Metal Detectors, Digital Detectors, Surveillance Equipment, etc.

- Self-Defense Equipment, Riot Control Equipment, Polygraphs, Fingerprint Scanners, Drug Detectors, etc.
- Microscopes, Forensic Science Equipment, Ballistic Armor & Plates, Law Enforcement Armored Vehicles, etc.

### Military Equiment

- Combat Uniform & Boots, Special Purpose Uniforms, Load Bearing & Combat Carry Equipment, Pouches & Attachments, Hydration System, Bayonets, Scabbards, etc.
- Sleeping Bags, Blankets, Tents, Rations, Ballistic Helmet & Body Armor, etc.
- Dishwashers, Military Cooking Kit, Mincer, Portable Shower & Launder Container, etc.
- Rappel, Links, Ropes, Lifesaving & Medical Equipment, Multipurpose Transporters.

### **Unmanned Systems**

- Robot: Reconnaissance, Surveillance, Observation, Bomb Disposal, Medical, Wearable, etc.
- Drone/UAV: Surveillance, Communications Relay, Heat Sensor, Infrared Light Sensor, Security, Firefighting, Aerial Photograph, Construction, Leisure, Mapping, etc.

### Security & IT Sector

- Military-IoT, Cloud, Big Data, Security Convergence Technology Product, etc.
- ICT based Mobile Subscriber Equipment, SMART Management System, etc.
- Surveillance & Security Protection, Entry Control Equipment, IT Security Systems, etc.

**EXHIBITION** 

**ITEMS** 

참가업체 리스트 (국문) 업체명 가나다순					
부스번호	업체명	부스번호	업체명	부스번호	업체명
10B-01	BAE Systems	9C-03	버드리	91-21	제타글로벌
9I-12	Bohemia Interactive Simulations Korea Ltd	9E-11	보글통상	9E-13	젠바디
9E-22	Defence Export Promotion Organization	9C-44	뷰도	9C-04	조은세간
10B-12	D-Fend Solutions	9B-44	뷰엠테크놀로지	9H-33	주영산업
10C-01	Dynamit Nobel Defence	9D-31	비앤에스지퍼	9I-11	주한네덜란드대사관
9J-13	Echodyne	9J-42	비에스엠신소재	9G-13	중소기업육성연맹
10B-31	Harwin Asia Pte Ltd	9F-21	비에이솔루션즈	9F-11	지엠에스
10C-21	Hensoldt Sensors GmbH	9J-43	빅텍	9F-03	지이헬스케어
9I-13	Hutchinson SNC	10A-01	사이언	9G-23	지테크인터내셔날
10C-31	Lockheed Martin	9J-31	산주광학	9G-14	참메드
9H-13	Photonis Netherlands BU	9J-11	삼양화학공업	9D-01	케이방역플랫폼
10B-41	RAFAEL	9C-34	삼영기계	10B-32	케이투코리아
10D-51	S&T모티브	9J-34	샘트라인터내셔널	10B-14	케이투코리아
10D-51	S&T중공업	9H-42	설텍	10A-32	코리아일레콤
10B-21	SAAB	9C-42	성광메디텍	9F-02	코젠바이오텍
9H-21	SD바이오센서	9B-43	성산테크놀로지	10D-14	콤라스
9H-14	SELECTRON INDUSTRIAL CO., INC.	9F-24	성진씨앤티	91-03	크니펙스
9D-31	YJ코퍼레이션	9F-01	세종메디칼	9H-23	클라리파이
9C-11	YJ코퍼레이션	10C-14	수 	10A-22	택산이엔지
9J-32	YJ코퍼레이션	10A-23	수성정밀기계	10D-01	티티씨디펜스
9C-33	강운공업	9C-23	수옵틱스	9H-31	파코코리아인더스
9J-51	건파워	9H-43	스피어네트웍스	10D-23	퍼스텍
10A-25	경남테크노파크 / 창원산업진흥원	9F-23	신광테크놀러지	10A-03	포스텍
10C-23	고양시	9J-41	씨앤엘테크놀로지	91-51	풍산
9B-01	고어코리아	9J-33	씨티케이	10A-04	프로스코리아
9E-41	국방과학연구소	9G-01	아산제약	9J-23	피스퀘어
10E-24	국방기술품질원	9B-33	아이쓰리시스템	9C-41	픽젠
91-41	국일제지	9B-34	알에프코어	9D-41	필라넷
9D-33	그린광학	91-01	애니모션텍	9H-34	하나에이엠티
9J-01	글랜에어코리아	9B-41	에스디상사	9G-22	하나제작소
10A-05	네비웍스	9C-24	에스에프이음	10F-02	한국과학기술연구원
10D-32	넵코어스	9H-24	에어본	10F-02	한국과학기술정보연구원
10A-12	녹색경제신문	91-33	에이엠피올	10C-12	한국국방기술학회
91-22	뉴라이프제약	10D-11	엔비노트	9G-32.	한국기술연구소
9G-41	다산기공	10E-41	엘아이지넥스원	9J-21	한국드론혁신협회
10A-13	단암시스템즈	10D-13	엘트로닉스	9F-41	한국방위산업진흥회
10B-11	담스테크	10C-11	에케이컴퍼니	10F-02	한국생산기술연구원
10D-01	대성테크	10A-45	연합정밀	9C-31	한국섬유개발연구원
10D-31	대우조선해양주식회사	91-34	영인크로매스	9J-14	한국유전자연구
9F-13	대운시스템(와이비부직포)	9J-03	오로라월드	10A-41	한국전광
9E-51	대지정공	9E-12	옵토레인	10F-02	한국전자통신연구원
10C-43	대한민국 공군	9G-31	우경광학	10F-51	한국항공우주산업
10D-41	대한민국 해군	9C-02	우리메디	10E-02	한국항공우주연구원
10D-41	대한민국 해병대	9C-43	옷샘	91-04	한빛씨엠피
10D 11 10A-21	대한센서	9C-01	월간플래툰	9G-02	한승테크노
9G-21	덱스코윈	9D-43	위드피에스	10A-33	한주테크
10E-21	동인광학	9E-21	원백고이스트	9B-31	한컴라이프케어
91-23	디케이컴퍼니	10D-21	유콘시스템	10A-51	한화
10C-13	디펜스 타임즈 코리아	9B-21	유티지	10A-51	한화디펜스
9E-01	로적	10A-31	이노시뮬레이션	10A-51	한화시스템
9G-24	리노셈	91-41	이레에스앤씨	9B-11	헤세드코리아
9D-44	리플렉스	9H-01	이외에스템	9F-51	현대로템
10C-24	명지병원	9H-41	자인테크놀로지	10A-11	화신기계상사
9D-42	모빌테크	10C-03	제이콥시스템	91-31	휴온스
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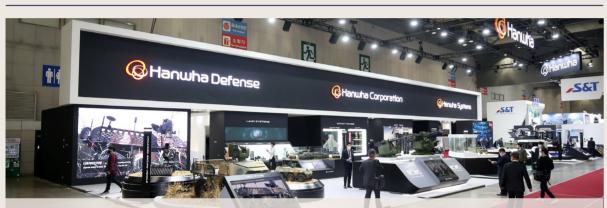
부스번호	업체명	부스번호	업체명	부스번호	업체명
10B-01	BAE Systems	9C-03	BERDRY CO., LTD	91-21	ZETTA GLOBAL
91-12	Bohemia Interactive Simulations Korea Ltd	9E-11	Vogel trading	9E-13	GenBody
9E-22	Defence Export Promotion Organization	9C-44	VUNO	9C-04	JOUNSEGAN
10B-12	D-Fend Solutions	9B-44	View-M Technology Co., Ltd.	9H-33	Juyoung Industry Co., Ltd.
10C-01	Dynamit Nobel Defence	9D-31	BNS ZIPPER(INC)	91-11	The Netherlands Embassy
9J-13	Echodyne 10B-31 Harwin Asia Pte Ltd	9J-42	BSM Co., Ltd	9G-13	중소기업육성연맹영문명없음
10B-31	Harwin Asia Pte Ltd	9F-21	BASOLUTIONS Co., Ltd.	9F-11	GMS CO.,LTD
10C-21	Hensoldt Sensors GmbH	9J-43	VICTEK Co., Ltd.	9F-03	GE Healthcare
91-13	Hutchinson SNC	10A-01	PSIONDSP	9G-23	G-Tech International
10C-31	Lockheed Martin	9J-31	SANJU OPTICAL	9G-14	Chammed., Co. Ltd
9H-13	Photonis Netherlands BU 10B-41 RAFAEL	9J-11	SAMYANG CHEMICAL CO., LTD.	9D-01	K-PREVENTION PLATFORM
10B-41	RAFAEL	9C-34	Samyoung Machinnery Co., Ltd	10B-32	K2 KOREA Co., Ltd.
10D-51	S&T Motiv Co., Ltd.	9J-34	SamTra International	10B-14	K2 KOREA Co., Ltd.
10D-51	S&T Dynamics Co., Ltd.	9H-42	Seoltech.Co., Ltd	10A-32	KOREA ELECOM
10B-21	SAAB	9C-42	Sungkwang Meditech Co., Ltd	9F-02	KogeneBiotech Co., Ltd. 10D-14 KOMRAS Inc
9H-21	SD Biosensor, INC.	9B-43	SUNGSAN SYSTEMS TECHNOLOGY.COLtd.	10D-14	KOMRAS Inc
9H-14	SELECTRON INDUSTRIAL CO., INC.	9F-24	SUNGJIN C&T CO., LTD.	91-03	KNIPEX Werk C.Gustav Putsch KG
9D-31	YJCORPORATION Co, Ltd.	9F-01	SEJONG MEDICAL	9H-23	ClariPi Inc.
9C-11	YJCORPORATION Co, Ltd.	10C-14	SOO. Co., Ltd.	10A-22	TECHSAN-ENG Co., Ltd.
9J-32	YJCORPORATION Co, Ltd.	10A-23	Soosung Defense Industries, Ltd	10D-01	TTC DEFENCE ,INC
9C-33	kangwoon Industry Company	9C-23	SUOPTICS	9H-31	Parkor Korea Indus Co., Ltd.
9J-51	GUNPOWER	9H-43	SPEARNETWORKS Co., Ltd	10D-23	FIRSTEC CO., LTD.
10A-25	Gyeongnam Technopark	9F-23	SHINKWANG Technology	10A-03	FOSTEC
10C-23	Goyang City	9J-41	C&L Technology Co., Ltd.	91-51	Poongsan Corporation
9B-01	W. L. Gore & Associates, Inc	9J-33	CTK CO., Ltd.	10A-04	Pros Korea CO.,LTD.
9E-41	ADD	9G-01	Asan Pharmaceutical CO. LTD	9J-23	Pilot-Square
10E-24	Defense Agency for Technology and Quality	9B-33	i3system, Inc.	9C-41	PIXXGEN CORPORATION
91-41	KUKILPAPER MFG.CO.,LTD.	9B-34	RFcore	9D-41	Feel@NET corporation
9D-33	GREEN OPTICS	91-01	ANI Motion Tech	9H-34	HanaAMT Co., Ltd.
9J-01	GLENAIR KOREA	9B-41	SD corporation CO., LTD	9G-22	HANA PRODUCTION CO., LTD
10A-05	Naviworks Co., Ltd.	9C-24	Co. SF EUM	10F-02	KIST
10D-32	NAVCOURS CO., LTD.	9H-24	airmon Inc.	10F-02	KISTI THE KOREAN INSTITUTE OF DEFENSE
10A-12	녹색경제신문 영문명 없음	91-33	AMPall Co., Ltd.	10C-12	TECHNOLOGY
91-22	New Life pharmaceutical company	10D-11	Envinode Co., Ltd.	9G-32	Korea Technology Institute Co.,LTD
9G-41	DASAN MACHINERIES CO., LTD.	10E-41	LIG Nex1 Co. Ltd.	9J-21	KOREA DRONE INNOVATION ASSOCIATION
10A-13	DANAM SYSTEMS	10D-13	Eltronix Co., Inc	9F-41	Korea Defense Industry Association
10B-11	DYMSTEC	10C-11	MK COMPANY	10F-02	Korea Institute of Industrial Technology
10D-01	DAE-SUNG TECH CO.,LTD.	10A-45	YEONHAB PRECISION CO., LTD.	9C-31	Korea Textile Development Institute
10D-31	DSME (Daewoo Shipbuilding & Marine Engineering)	91-34	YOUNG IN CHROMASS CO., LTD.	9J-14	Korea Genome Information Institute
9F-13	DAWOON System	9J-03	Aurora World Corporation	10A-41	Korea Electro-Optics., LTD.
9E-51	DAEJI P&I CO., LTD.	9E-12	OPTOLANE	10F-02	Electronics and Telecommunications Research Institute(ETRI)
10C-43	Republic of Korea Air Force	9G-31	Woo Kyung Optics co., Ltd.	10E-51	Korea Aerospace Industries, Ltd
10D-41	Republic of Korea NAVY	9C-02	WOORIMEDI Co., Ltd	10F-02	Korea Aerospace Research Institute
10D-41	Republic of Korea Navy	9C-43	WOSEM CO.,LTD	91-04	Hanbit CMP
10A-21	DAEHAN SENSOR CO., LTD.	9C-01	PLATOON MAGAZINE	9G-02	Hanseung Techno Co., Ltd.
9G-21	Dexcowin.Co.,Ltd	9D-43	WEDPS	10A-33	hanjoo tech
10E-21	D.I.OPTICAL CO., LTD.	9E-21	WINBACK GO EAST	9B-31	Hancom Lifecare
91-23	DEFENSE KOREA COMPANY	10D-21	UCONSYSTEM CO., LTD.	10A-51	Hanwha
10C-13	Defense times korea	9B-21	UTG Co.,Ltd	10A-51 10A-51	Hanwha Defense
9E-01	Rojock	10A-31		10A-51	Hanwha Systems
9G-24	RENOSEM Co.,Ltd.	91-41	RE S&C	9B-11	HESSED KOREA. Inc
9D-44	Replex co., Ltd.	9H-01	EO System	9F-51	HYUNDAI ROTEM COMPANY
LOC-24	Myong Hospital	9H-41	JAIN TECHNOLOGY	10A-11	Hwashin Instrument Co., Ltd
9D-42	MOBILTECH CO., LTD.	10C-03	jcorpsystem.Co.,Ltd	9I-31	Huons Medicare Co., Ltd.



### Hanwha Corporation

ITEMS SCALE 750 m<sup>2</sup>

K9 Thunder, Unmanned Ground System, Chunmoo, KTSSM, LAH-AGM, 70mm MRL, BIHO, K21 Infantry Fighting Vehicle, K200A1 Armored Personnel Carrier, Armored Wheeled Vehicel, K21-105 Medium Tank etc.



· Hanwha is leading the advancement of domestic weapons through preemptive investment in not only guided and ammunition





· Hanwha operate businesses in precision-guided munitions, advanced ammunition, and underwater surveillance equipment. Also entered the aerospace business, sharpening our competitive edge.

### **Poongsan Corporation**

- ITEMS Ammunition



SCALE 360 m<sup>2</sup>



POONGSAN

Poongsan is world-famous ammunition manufacturer that produces almost all kinds of ammunition from small caliber to large caliber ammunition currently used in the military.



Poongsan continues improving the performance of ammunitions based on its integrated production system and sophisticated quality management system.

# Rotem



### Korea Aerospace Industries, Ltd

ITEMS KUH, LAH, NI-600VT, NCUAV, KF-X, FA-50

SCALE 270m<sup>2</sup>







• KAI has been taking leading role in aerospace industry in Korea with successful development of T-50 Advanced Jet Trainer, KT-1 Basic Trainer, KUH-1 (SURION) Utility Helicopter, and RQ-101 UAV (SONGGOLMAE), and KAI emerges technical excellence in the development of Korea



### HYUNDAI ROTEM COMPANY

ITEMS 2 MBT, K808 Advanced

SCALE 360m<sup>2</sup>

-



• HYUNDAI ROTEM has solidified position as a leader in future weapon systems equipped with cutting-edge core technologies through their own R&D capabilities and production systems for ground weapon systems and optimization and improvement capabilities.







SCALE

360 m<sup>2</sup>



### S&T Dynamics Co., Ltd. / S&T Motiv Co., Ltd.

ITEMS Gun & Cannon System including 120mm Self Propelled Mortar system, Transmission for tracked vehicles, Small Arms, AGL





• S&T Dynamics has played a pivotal role in protecting Sea, Air & Land of KOREA by supplying T/M for tracked vehicle such as K200A1 APC, K21 IFV, K55A1 SPH, M109 family, K9 SPH and Gun & Cannon ranging from 12.7mm K6 HMG, 20mm Gatling Gun, 30mm & 40mm Automatic Gun.





S&T Motiv has produced and developed products for the defense industry, automotive core components with their own precision technology.







### LIG Nex1 Co. Ltd.

ITEMS LIG Nex1's Defense Solutions for Future Warfare

SCALE 250m<sup>2</sup>



· LIG Nex1 is the leading defense company in Korea, the company has led Korean defense industry by developing and producing state-of-the-art weapon systems in various areas and has contributed greatly in Korea having self-reliant defense capability.











### YEONHAB PRECISION CO., LTD.



YEONHAB PRECISION has been leading the research and development of not only national-defense information and communication systems-in which company specialize-but also of the assembled cables, connectors, parts and electricity generators used widely across the national defense and other industries.



### DAEJI P&I CO., LTD.

ITEMS Anti-Riot Vehicle

SCALE 270m<sup>2</sup>

-



• DAEJI P&I specialize in the production of vehicles for transportation such as fuel tank lorry, environment-related vehicle, construction equipment. also has expanded product line up to Anti-riot vehicles such as Water Cannon vehicle, Armored Personnel Carrier and Anti-Drone system. Currently, they are export products to more than 20 countries abroad.



#### 30 DX KOREA 2020 | OFFICIAL SHOW REVIEW





### EO SYSTEM

ITEMS Thermal Imaging System, Night Vision System

SCALE 54m<sup>2</sup>



• EOST has played a key role as a major supplier to the Korean Defense Industry, and supplying high-precision optical components and systems to lacal and global market.









### Naviworks Co.,Ltd.

ITEMS VRSP(Virtual Reality Simulator Platform) / VTB-X(Virtual Training Block)

SCALE 108m<sup>2</sup>

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• Naviworks Co., Ltd. is as an eXtended Reality(XR) -based comprehensive simulation and smart control expert, has developed aviation tactical training simulator and virtual training systems for military/public safety training.









### Republic of Korea ARMY

ITEMS ROK Army Introduction and Promotion, LVCG KCTC Training Simulation, Army TIGER 4.0 System

SCALE 540m<sup>2</sup>

-



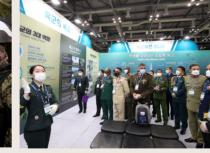
· Introduce the AI based 'Army Tiger 4.0 System' which is ground combat system with symbolizes the Korean Tiger, and Simulate the latest LVCG Korean Combat Training.





山川吉寺主

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### DASAN MACHINERIES CO., LTD.

ITEMS Pistols, Rifles and Related parts

SCALE 54m<sup>2</sup>



• DASAN MACHINERIES has been putting all efforts to have the best quality in firearms and automobile parts, precision casting product and cutting tool. Also produces high-quality products for the international quality standard, including ISO 9001, ISO 140001, TS16949 and DQMS.





### NST Communal Hall

National Research Council of Science & Technology ITEMS



KINRI

(KARI) Korea Aerospace Research Institute

한국생산기술연구원

**KITECH** 

(KITECH) Korea Institute of Industrial Technology

360 m<sup>2</sup> SCALE

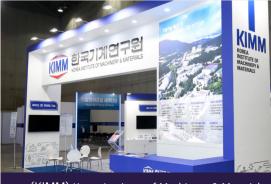
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(KIST) Korea Institute of Science and Technology



KISTI, KASI, KRISS



(KIMM) Korea Institute of Machinery & Materials



### **Project Acquistion Group-Force Support System**

Ground Force Support System and Warrior Platform ITEMS

450m<sup>2</sup> SCALE



· Introduce the Army Combat System integrating combat uniforms, equipment, and weapon system to maximize Army's combat power.









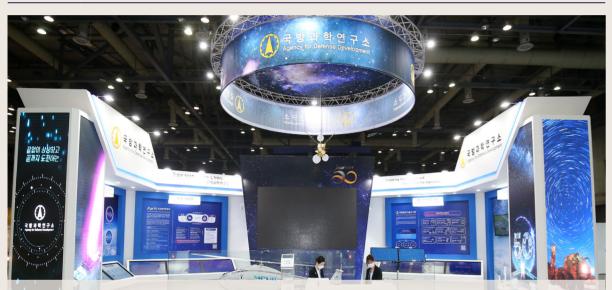


### Agency for Defense Development

ITEMS Small SAR Satellite Constellatiion System(mockup), ANASIS- II (mockup), MPUH(mockup) etc



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• To contribute to the reinforcement of national defense power and the accomplishment in self-reliance of national defense by taking charge of the technical survey, research, development, and testing of weapons, equipment, and supplies required for national defense as well as the survey, research, and testing of science and technology related thereto.





### Defense Agency for Technology and Quality

ITEMS Mobile Post Unit(Expendable Van) / KOVICO and 7 more

SCALE 180m<sup>2</sup>



• DTaQ is added functions of national defense technology planning and technical information management, while succeeding the conventional functions of the Defense Quality Inspection Agency.



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• KDIA has been playing a role for development, cooperation, and harmonization of the defense industries by strengthening its competitiveness, facilitating export, participating in researches, and supporting common interests.

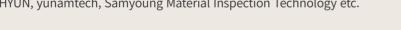
### Gyeongnam Technopark / Changwon Industry Promotion Agency

ITEMS	

Focusoptech, Kencoa Aerospace, NDT ENGINEERING, JinYoung TBX, Human Hea SAMHYUN, yunamtech, Samyoung Material Inspection Technology etc.

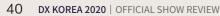


SCALE 90m<sup>2</sup>





By establishing an organic cooperation system between industry, academia, research institutes, and governments in the Gyeongnam region, as a regional innovation hub institution, and innovation growth of technology-intensive companies are promoted, and local economy is activated and national economy Play a role contributes to development.









### Republic of Korea NAVY / AIR FORCE / MARINE CORPS

ITEMSROK Navy / ROK Air Force / ROK Marine Corps Introduction and PromotionSCALE $18m^2$  each

대한민국해군 한민국해병대 REPUBLIC OF KOREA NAVY of Korea Marine Corps X 4차 산업혁명의 첨단기술군 SMART Nevy 다한 SMART Marine AN AN AN AN AN 홍보관 -대한민국공군 귀하며님 공급

41



LOCKH	EED MARTIN	LOCKHEED MARTIN	Corporation
ITEMS	Paragon Laser Guided Bomb, JAGM, JASSM, PAC-3 MSE Multi Role Radar System, Black Hawk Helicopter (S-70i/I	Missile, TPS-77 M), MLRS, Apache FCR	
SCALE	36m <sup>2</sup>		
		100	



· Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

· Lockheed Martin work closely with the Republic of Korea military and Korean industry to meet the country's mission-critical requirements through the wide array of programs



RAFAEL		RAFAEL Advanced Defense Systems Ltd.
ITEMS	Spike Family, Land solutions, Sky spotter, Dron Air defense systems and Bnet Family	e Dome,
SCALE	60 m <sup>2</sup>	

• RAFAEL is synonymous with Dynamic Defense, Daring Innovation, and Technological Ingenuity and has pioneered advances in defense, cyber and security solutions for air, land, sea, and space





RAFAEL

# BAE SYSTEMS

BAE SYSTEMS	BAE SYSTEMS plc
ITEMS APKWS, BvS10 SCALE 36m <sup>2</sup>	
	정말하고도 압도적인 우위 Advantage where it counts
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<sup>•</sup> BAE Systems plc is a British multinational defence, security, and aerospace company and and work closely with local partners to support economic development by transferring knowledge, skills and technology.



SAAB		Saab AB
ITEMS	Defence and Security products and solutions	
SCALE	36m <sup>2</sup>	
	PAVILION ZONE	A

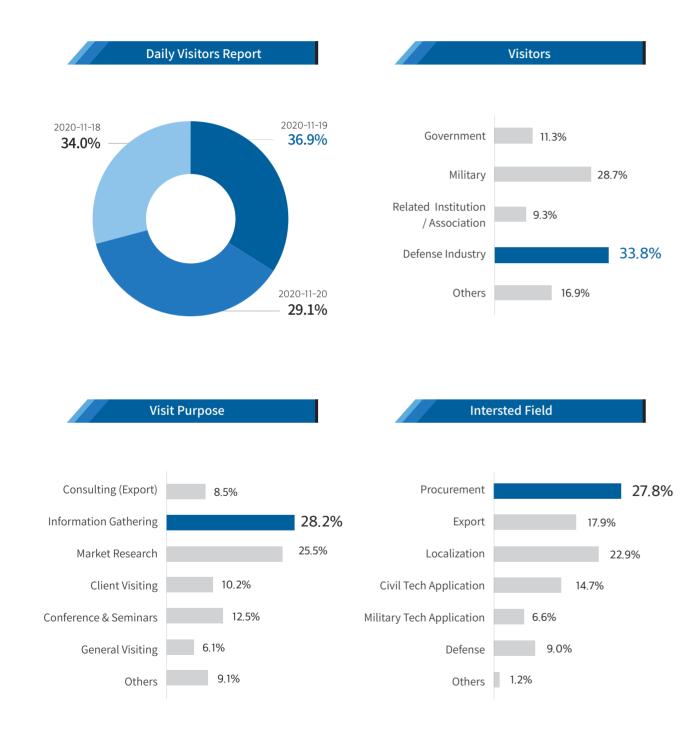


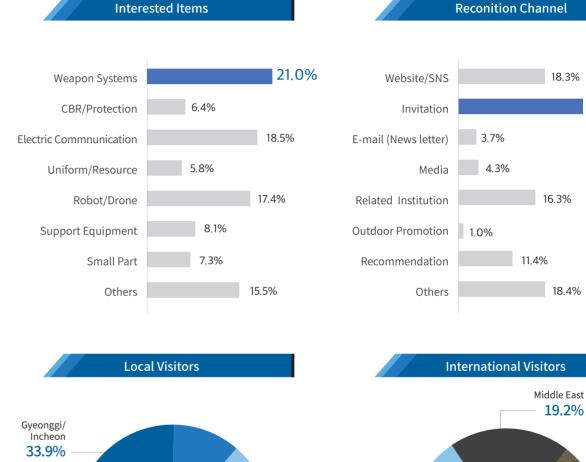
· Saab is a Swedish defense industry company that focused on aircraft and serves the global market with world-leading products, services and solutions within military defence and civil security.

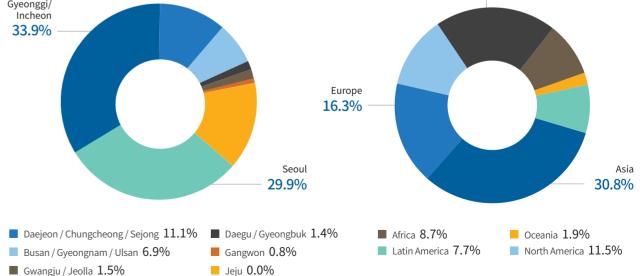


26.5%

# DX KOREA 2020 TOTAL VISITORS STATISTICS







# **VIP STATUS**

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### 대한민국방위산업전 DX KOREA 2020

### DELEGATION



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### **United Arab Emirates** Delegation :

MG Saleh Mohamed Saleh Al Ameri and 4 others

MG	Saleh Mohamed Saleh Al Ameri	Commander of Land Forces
BG	Abdulsalam Abdullah Al Shehi	Commander of Training Division
BG	Mohammed Ali Mohammed Al Sumaitte	Head of THE Armament Division
LTC	Mohammed Hamd Waqash Al Ameri	Head of the office of the Commander of the Land
СРТ	Mashal Mohammed Mubarak Al Manhali	aide-de-camp (AD/C)



Interested Equipment K-9 Self-Propelled Artillery, Raybolt(antitank rocket), HYNDAI Rotem K600(Counter Ob Remote control Drone , Mine clearing equipment, Actual operation equipment	
Interested Companies Hanwha, LIG Nex 1, HYNDAI Rotem, INNOSIMULATION	
Notes	<ul> <li>Had a meeting with the Minister of National Defense and the Chief of Staff of the Republic of Korea Army.</li> <li>Express interest in the entire exhibit equipment and content.</li> </ul>
	<ul> <li>· Visited the KCTC (Korean Combat Training Center) to observed K2 demonstration</li> <li>· Visited Hanwha, HYNDAI Rotem to discuss the purchase issues of the major equipment.</li> </ul>

	Nigeria	
	Delegation : LTG Lamidi Oyebayo AD	DEOSUN and 7 others
		1
LTG	Lamidi Oyebayo ADEOSUN	Chief of Policy and Plans
MG	Abbas Ola ADKANYE	MD Buffalo Engineering and Technical Service
MG	Victor Okwudili EZUGWU	DG Defense Industries Corporation of Nigeria
MG	Sunday Simeon ARAOYE	Commander Command Engineering Service
BG	Abdulkadir MOHAMMED	MD Nigerian Army Special Vehicle Plans
RADM(L)	Eugenio Olusegun FERREIRA	Defense Attaché
MAJ	Sani BELLO	Staff officer Grade 2 Ammo
LT	Tijjani Abiola ADEKANYE	Aide to Chief of Policy and Plans



Interested EquipmentDrone, light armored vehicle, Multi-modular ammunition, Unmanned equipment systems, Mobility equipment (ME), New model ammunition	
Interested Companies HYNDAI Rotem, DAEJI P&I, S&T, Poongsan	
Notes	<ul> <li>Actively participated in the exhibition event, also expressed interest in the tire durability and protection ability.</li> <li>Had a government meeting with the Chief of Staff of the Republic of Korea Army, Commander, ROK Army Training &amp; Doctrine Command and the Assistant Chief of Staff for G5 of ROK Army HQ.</li> </ul>

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	Estonia	
	Delegation : DG Kusti SALM and 2 ot	hers
DG	Kusti SALM	Director General of ECDI (Estonian Centre for Defense Investment)
Ms	Katri RAUDSEPP	Head of Administrative Department (ECDI)
Mr	Magnus-valdemar SAAR	Head of Procurement Department (MOD)







Interested Equipment	K-9 Self-Propelled Artillery, Tank, Submergence vehicle, Ground Weapons (artillery, gun)
Interested Companies	Hanwha, Poongsan, S&T, HYNDAI Rotem, LIG Nex 1
Notes	<ul> <li>Expressed interest in the Tank and Self-Propelled Artillery, and discussed with Hanwha regarding K9 purchase-related detailed coordination.</li> <li>Had a government meeting with a Director General, International Cooperation Officer of DAPA and a business meeting with interested companies.</li> </ul>

United Kingdom
Delegation: COL Simon Andrew RIDGWAY and 1 other

COL	Simon Andrew RIDGWAY	Assistant Head Plans in Ground Maneuver
LTC	Richard Ian WILLIAMS	SO 1 Plans, Director





Interested Equipment	K-9 Self-Propelled Artillery, K-10 Ammunition supply vehicle , K-2 Tank, Dronbot, Army Tiger4.0 system
Interested Companies Hanwha, HYNDAI Rotem, KIST	
Notes	<ul> <li>Actively participated in the visiting exhibition booths and business meeting with interested companies.</li> <li>Had a government meeting with the Deputy Chief of Staff for Policy of ROK Army HQ</li> <li>Visited Hanwha factory to see the K-9, and K-10 production system and discussed about import plan.</li> </ul>

بلالة الم	Iraq	
<u>,                                    </u>	Delegation: LTG Guhdar Mohamm	ed SAID and 1 other
LTG	Guhdar Mohammed SAID	General Director of DGIS (Directorate General of Intelligence and Security)
MG	Sameer ABDULKAREEM JASIM	Ground Forces Deputy Commander





Interested Equipment	UAV, Tank, Firearms, Drone, reconnaissance and surveillance equipment	
Interested Companies	KAI, Hanwha, FeelaNET, LIG Nex 1, Poongsan, S&T, DAEJI P&I, SUOPTICS, DASAN	
Notes	<ul> <li>Had a business meeting with interested companies, and highly interested in participants and exhibition equipment.</li> <li>Had a bilateral defense talks between the two countries Director of Defense Intelligence Agency (DIA).</li> <li>Discussed various measures to defense cooperation with the Director General, International Cooperation Officer of DAPA.</li> </ul>	

	<u>Ř</u>	Egypt	
		Delegation : MG Ismail Sayed Moha	med HUSSEIN and 1 other
1	MG	Ismail Sayed Mohamed HUSSEIN	Chief of Planning and Operation
C	COL	Tarek Mohamed Ibrahim ALBITTIBSSI	Vice Chief of Research Branch





Interested Equipment	UAV, Drone intercept system
Interested Companies	DAEJI P&I, Poongsan, Hanwha, KAI, HYNDAI Rotem, EO SYSTEM, LIG, DYMSTEC, S&T
Notes	<ul> <li>Had a government meeting with an Director General, International Cooperation Officer of DAPA and a business meeting with interested companies.</li> <li>Expressed interest in the Korean weapon parts and compatibilities with the Egypt local products.</li> </ul>

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	Indonesia (Invited by the ROK Army)	
	Delegation: MG TEGUH ARIEF INDRATMOKO and 3 others	
MG	TEGUH ARIEF INDRATMOKO Assistant Chief of Staff for Intelligence	
MG	NURCHAHYANTO	Assistant Chief of Staff for Territorial
BG	SYAFRIAL	Expert Officer for Asia Pacific
LTC	BUDI ALAMSYAH	Assistant Staff Officer for International Affairs of Army Flo

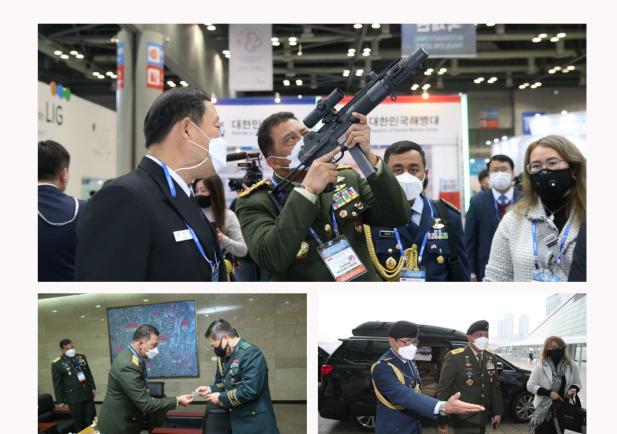






Interested Equipment	Focused on UAV
Interested Companies	Hanwha, Poongsan, S&T, KAI, HYNDAI Rotem
Notes	<ul> <li>Expressed a lot of interest in development of the unmanned surveillance vehicle, and unmanned drone system</li> <li>Had a government meeting with the Assistant Chief of Staff for G5 of ROK Army HQ and a business meeting with Hanwha.</li> </ul>

	Indonesia (Invited by the DAPA)	
	Delegation: MG Dadang HENDRAYUDHA and 3 others	
MG	1G Dadang HENDRAYUDHA Director General for Defense Potential (MOD)	
COL	Achmad IMRON	Deputy Director for Defense Industry and Technology(MOD)
Mr	Arya Seta WIRIADPURA SENIOR PROJECT MANAGER	
Mrs	Erike Brigitha MALONDA	SENIOR PROJECT MANAGER



Interested Equipment	Drone Armored vehicle Ritle Ground Weapons	
Interested Companies	Poongsan, S&T, KAI, HYNDAI Rotem, Hanwha, LIG, DAEJI P&I, MOBILTECH	
Notes	<ul> <li>Actively participated in the exhibition event such as booth visiting and business meeting with companies, also expressed highly interest in the Korea Defense Industry.</li> <li>Had a government meeting with the Director General, International Cooperation Officer of DAPA.</li> </ul>	

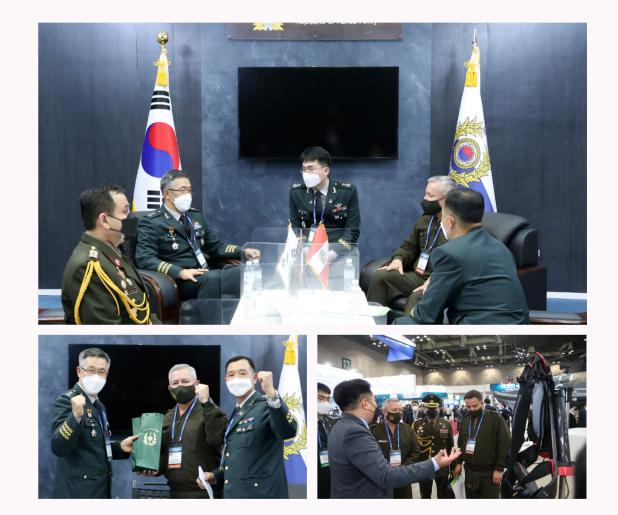
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	Qatar	
	Delegation: MG Mubarak Mohammed A.K. Al-Khayarin and 3 others	
MG	Mubarak Mohammed A.K. Al-Khayarin	Deputy Chief of Staff for Logistics and Administration Affairs
BG	Muhmood Abdulla M M AI-Ghazal	Director of Supply & Logistics Development Center
BG	Ali Saeed A S Al-Shuaibi	Commander of Central Arms & Ammunitions Depot
BG	Khalid Abdulla I AI-Binali	Personal Staff Officer to Deputy Chief of Staff for Logistics and Administration Affairs



Interested Equipment	Drone Alequinment system Military bike Jank	
Interested Companies	Hanwha Poongsan HVNDAL Rotem DAF IL P&J	
Notes	<ul> <li>Actively participated in the exhibition event such as booth visiting and business meeting with companies, also expressed highly interest in the Korea Defense Industry equipment and advanced weapon system.</li> <li>Discussed about defense cooperation and exchange with the Director General, International Cooperation Officer of DAPA.</li> </ul>	

(A)	Peru	
	Delegation: MG Carlos Fortunato ES	CUDERO SOTOMAYOR and 1 other
MG	Carlos Fortunato ESCUDERO SOTOMAYOR	Commander General of Peruvian Army Aviation
MG	William Ohmar LOZANO FLORES	Army Inspectorate Office Inspector



Interested Equipment	Hanwha REDBACK IFV, Helicopter (many types of Aviation weapon system)
Interested Companies	Hanwha, HYNDAI Rotem, KAI, LIG Nex 1
Notes	<ul> <li>Expressed a lot of interest in the army armament acquisition business and the equipment performance.</li> <li>Visited Hanwha Defense factory in Changwon, to see the armored vehicle production system.</li> <li>Had a government meeting with the Assistant Chief of Staff for G5 of ROK Army HQ and business meeting with interested companies.</li> </ul>

	France		
	Delegation :	COL Brice, Louis, France	bis FONLUPT
COL	Brice, Louis, Fr	ancois FONLUPT	Head of Artillery department in French Army





Interested Equipment	Dronbot, K-9 Self-Propelled Artillery, K-10 Ammunition supply vehicle , Unmanned Systems
Interested Companies	Hanwha, HYNDAI Rotem
Notes	<ul> <li>Had a business meeting with Hanwha group and a government meeting with the Assistant Chief of Staff for G5 of ROK Army HQ.</li> <li>He was highly interested in automated systems and amazed at the Army's advanced unmanned systems.</li> </ul>
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### Philippines

Delegation: Undersecretary Raymundo De Vera ELEFANTE and 9 others

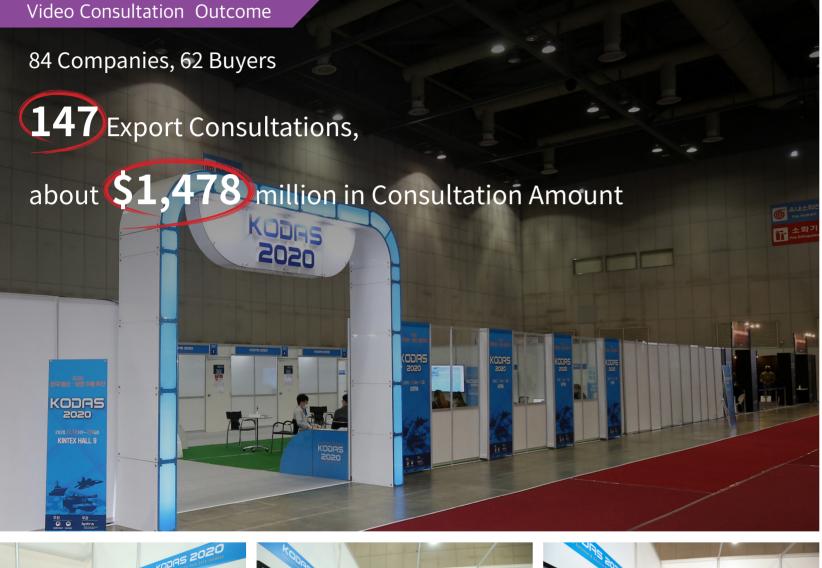
Undersecretary	Raymundo De Vera ELEFANTE	Undersecretary for Finance and Materiel(USEC/MND)
Assistant Secretary	Jesus Rey Rondolo AVILLIA	Assistant Secretary for Logistics and Acquisitions(ASEC/MND)
VADM	Giovanni Carlo Jamero BACORDO	Flag Officer In Command(FOIC/Navy)
Major Gen	Joselito Bernardo RAMOS	Commander Air Logistics Command(Air Force
CAPT	Edwin Magday NERA	Commander, Submarine Group (Navy)
CDR	Angelito Mangonon DIAZ	Deputy Commander, Submarine Group (Navy)
MAJ	Conrado Banjo JR Bermachea Mamaradlo	Aide to USEC ELEFANTE (MND)
MAJ	Gilbert Reballos SAN PEDRO	Aide of ASEC AVILLIA (MND)
LT	Novelyn Dayao DAGUNTON	Personnel Officer, Submarine Group (Navy)
LT	Romel Cornilia SUMAGAYSAY	Aide to FOIC (Navy)



Interested Equipment	Firearms, Torpedo, SLBM, Defense equipment, Combat submarine and warship
Interested Companies	Hanwha, HYNDAI Rotem, Poongsan, LIG Nex 1, KAI, S&T, DSME (Daewoo Shipbuilding & Marine Engineering), RAFAEL, SAM YANG Chemical
Notes	<ul> <li>Actively participated in the business meeting with interested companies, and highly satisfied.</li> <li>Visited domestic factories of DSME and LIG Nex 1, to discuss in details.</li> <li>Had a government meeting with the Minister of DAPA</li> </ul>



# **KODAS** 2020









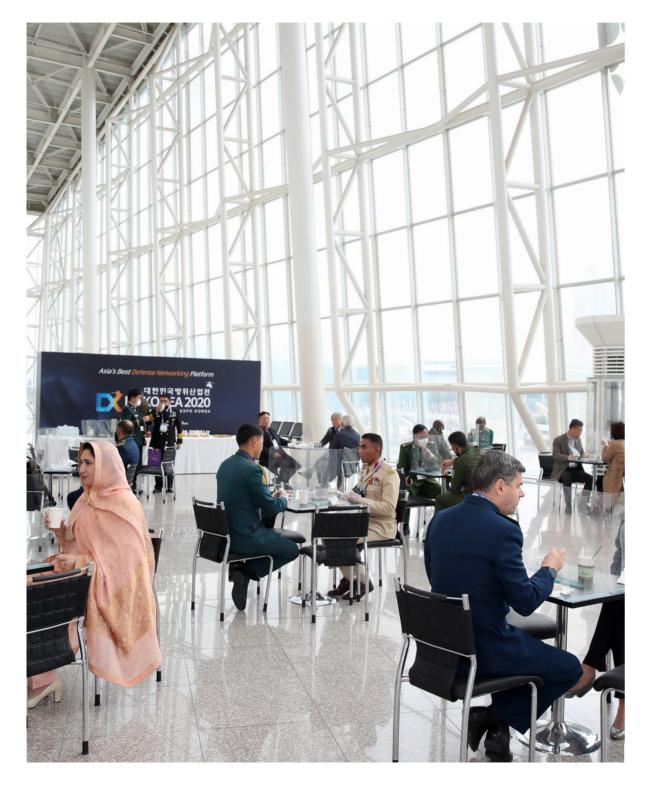


### Result Evaluation

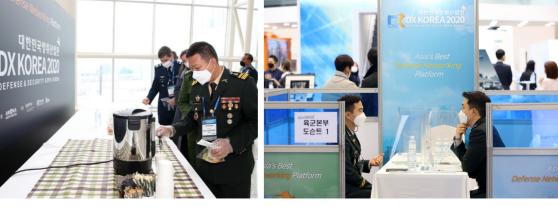
### • Korea Representative Export Consultation

- Participation and counseling outcomes were greatly expanded by simultaneous holding with DX KOREA 2020 which is the Korean largest Defense & Security EXPO
- Despite in the hard circumstances by Covid-19, attracting excellent buyers through encouraging participation and conducting a high quality consultation

# **VIP Lounge Operation**







대한민국방위산업전 DX KOREA 2020 DEFENSE & SECURITY EVAN KNOCA

# DX KOREA 'Covid-19' Prevention Status



Entrant ControlPre-registrant only

Entrant List required

### Venue Access Control

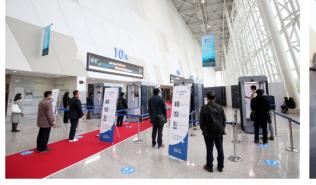
- Minimized Entrance
- Individual disinfection
- Minimized contact

### Prevention of Venue

- Spray disinfectant
- Hand washing required
- Regular disinfection (more than twice a day)

### Maximized Fresh Air

- 100% Inflow of external air
- Operate air conditioning system (per hour)







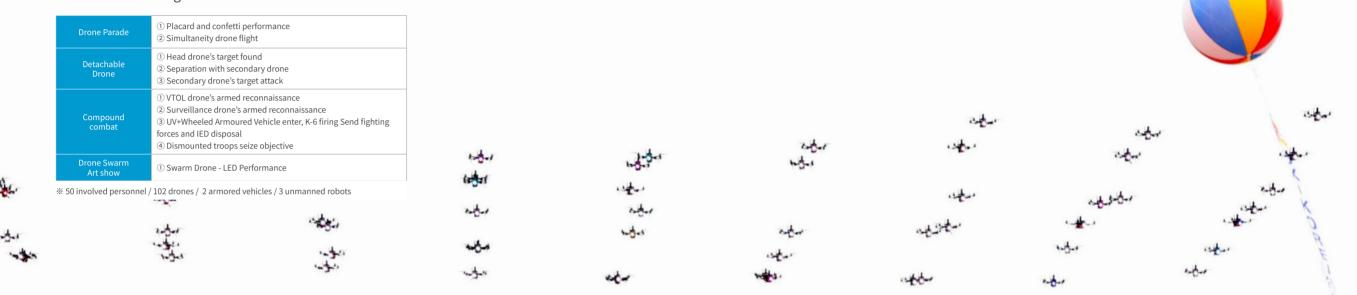






Drone Show

- Date/Location: Nov.  $18(Wed) \sim 20(Fri) 14:00 / 3days$ 
  - / KINTEX Outdoor Demonstration Spot
- Demonstration Program



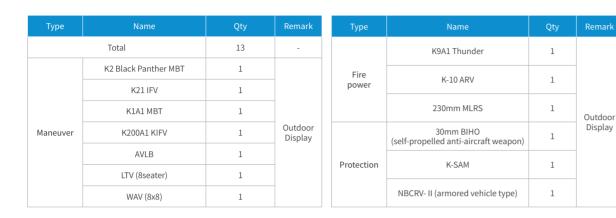
Drone Show







# DX KOREA 2020 Equipment Display Status







# Live Fire & Maneuver Demonstration

Overview

Display latest equipment in service with ROK Army and exhibited equipment with actual live firing & vehicle maneuver for International Delegation

Plan

• Date / Location : 20(Fri). Nov. 2020, 10:00~12:00 / R.O.K. Army Training Centre in Yangpyeong

• Participants : Domestic and Foreign VIP

	Total	Foreigner	Organizer	Press
Number	62	57	2	3

• Equipment : total 19 equipment including K-2 MBT etc.

	total	K-2 MBT				K-21 IFV					
Live fire	9		6						3		
		1	МВТ	IF	V	se	lf-prope artiller				
Equipment Display	total	K-2	Wecker	K-21	K-77	K-9	K-10	105	BIHO	Raybolt	LTV
Display								wheel			
	10	1	1	1	1	1	1	1	1	1	1

Detail Schedule

### Time table

CI	ie	u	u	le	

Time	Contents	Remarks
07:50~08:00	Headcount	Hotel
08:00~09:40	Departure / Arrival	Hotel~KATC
	Equipment Demonstration	K-2, K-21, K-9, K-10
10:00~11:00	MDT Fining	2 MBT Platoon
	MBT Firing	1 Mechanized infantry Platoon
11:00~11:30	Equipment Tour / Photo	7types, 8total
11:30~13:00	Return / Lunch	KATC~KINTEX













# Defense Industry CEO's Conference

- Date / Location : Nov. 18(Wed) 11:00~11:50 / Exhibition Center II 3rd Floor, Room 303, 304
- Host : Ministry of National Defense
- Major Guests : Government, Related Organizations and Defense Industries









Seminar



#### **DX KOREA 2020** Programs

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**Conference & Seminar** 

# DX KOREA 2020 ROK Army International Conference

Nov. 19(Thu) Session #1

• Date / Location : Nov.19(Thu) 09:20~16:30 Exhibition Center II 3rd Floor, 303-304 Nov. 20(Fri) 10:00~12:20 / Exhibition Center II 3rd Floor, 303-304 • Host : ROKA / KRINS

Opening Remarks - Han, Minkoo resident, Korea Research Institute for National Strategy Former Minister of National Defense General, (Ret.) Chairman of Joint Chiefs of Staff

Welcoming Address - Gen. Nam, Yeongshin ROK Army Chief of Staff

Keynote Address : Willard M. Burleson III (Commanding General, Eighth US Army)

Moderator : Yoo, Jehseung Vice President, Korea Research Institute for National Strategy, Former Deputy Minister for Defense Policy

Presentation 1 : Gen. Bang, Jongkwan

(ROK Army Training & Doctrine Command Developmental Transformation of ROKA in the Perspective of Military Innovation

Presentation 2 : Dr. Suk, Ho Dong Prospects for Advanced Defense S&T and Plans to Apply the Army Weapon Systems Presentation 3 : Prof. Park, Jinho Ewha Women's University

Building Methodology, Using Advanced Science and Technology

Presentation 4: Col. Michael "Shayne" Mullins 3<sup>rd</sup> Battlefield Coordination Detachment -Korea The future generation Technology of Battlefield Integration between Ground and Air

Discusssants 1 : Prof. Oh, Junho(KAIST)

2 : Yu Yongweon(Reporter(military editor) for the Chosun Ilbo) 3 : Col. David A. Gigliotti Colonel(Chief of the Joint U.S. Military Affairs Group – Korea)

Luncheon: Hosted by ROK Army Chief of Staff

#### Nov. 19(Thu) Session #2

Conduct of Operations concept of Cyber electronic warfare (Cyber EW) and Required Core Capability - Professor, Kim Yeongan (Kyunghee Uni.)

Conduct of Operations concept of Continue Supporting the Plan in the Future and Required Core Capability - Professor, Yu Junggeun (Ajou Uni.)

Optimization Plan of Warrior Platform for Improvement of Small Unit Warfighting Capability and Required Core Capability - Professor, Choi Myeongjin (Konyang Uni.)

Nov. 20(Fri) Session #3

Biomimetic Multifunctional Camera Technology Senior Researcher, Jung Gihun (KAIST)

Intelligent Autonomous Technology for Trusted Autonomous System - General Manager, Gwak Giho (ADD)

Quantum Cryptography Telecommunication Technology - Senior Researcher, Han Sangho (KAIST)

Technology Research/Demonstration of Intelligent Image Analysis for Small Drones - Researcher, Lee Munseok (Hojung Solution)









# Himalaya Forum







### The 6<sup>th</sup> Himalaya Forum

- Date / Location : Nov. 18(Wed) 14:00~16:30 / Exhibition Center II 3rd Floor, Room 301~302
- Host : DXK Organizing Committee

Title	The Fourth Industrial Revolution & Future Military Technology
14:00	Opening Remarks
	Welcome address Chairman of DXK Organizing Committee
14:10-14:30 (20")	Army Transformation- KARCFI (Korea Army Research Center for Future & Innovation)
	LIG NEX 1 ISRV : Intelligence Surveillance Reconnaissance Vehicle (Leader, Kwon Cheolhui)
15:00-15:30 (30")	BAE Systems Ground Precision-guided Munition, Global Partnership (Director, Han Bongwu)
15:30-15:50 (20")	Hanwha Systems Warrior Platform 2 (Principal Researcher, Ko Yunshu)
15:50-16:00 (10")	DAPA Evolutionary Acquisition Established Plan (Col. Kim Seonyeong)
	< Discussion > 'Required-Acquisition-Export' System Improvement in the Era of the 4th Industrial Revolution (Vice Chairman of DXK Organizing Committee)

### The 7<sup>th</sup> Himalaya Forum

- Date / Location : Nov. 19(Thu) 15:00~18:00 / Exhibition Center II , 10 Hall, Official Venue
- Host : DXK Organizing Committee

	USA Defense Industry and Development
15:00	Opening Remarks
15:00-15:10	Welcome address Chairman of DXK Organizing Committee
15:10-15:30 (20")	Mission and Vision of Raytheon Technologies (Senior Managing Director, Im Seonghun)
15:30-15:50 (20")	Engine to Drone GE Aviation (Maniging Director, Lee Seunghun)
15:50-16:10 (20")	W/P Protection : Chemicals and flame retardant materials GORE (Director, Kim Jihye)
16:10-16:30 (20")	Break
16:30-16:50 (20")	Special Operations Avionics System Collins Aerospace (Maniging Director, Kim Giman)
16:50-17:10 (20")	W/P Sensor: Night Vision Goggle (NVG) L3 Harris (Partner, Kim Yeongjun)
17:10-18:00 (40")	< Discussion > Measures of International Cooperation Intensification (Vice Chairman of DXK Organizing Committee)

# 2020 Aerospace thesis Award Ceremony





### 2020 Aerospace thesis Award Ceremony

- Date / Location : Nov. 18(Wed) 15:00~16:30 / Exhibition Center II 3rd Floor, Room 305
- Host : Korea Aerospace Industries (KAI)

Time	mins'	Program	Contents
15:00~15:30	30'	Registration	-
15:30~15:35	5'	Welcome Address	Introducing guests and Report progress (commentary)
15:35~15:38	3'	Commemorative Address	KAI CEO
15:38~15:41	3'	Celebratory Address	Ministry of Trade, Industry and Energy
15:41~15:56	15'	Award Ceremony	Minister Prize(1), KAI CEO Prize(1) Excellence Award(2), Participation Prize(5), Special Prize(2)
15:56~16:06	10'	Photo	Recipients of Awards
16:06~16:14	8'	Break Time	Presenter preparation
16:14~16:29	15'	Thesis Presentation	Two of The Best Thesis
16:29~16:30	1'	Closing Address	Moderator

# **Ground Forces Advancement Plan Seminar**



### **Ground Forces Advancement Plan Seminar**

- Date / Location : Nov. 19(Thu) 13:00~17:00 / Exhibition Center II 3<sup>rd</sup> Floor, Room 305~306
- Host : AROKA (Ground Forces Research Institute)

Time	Program	Contents		
13:10~13:30	Ice-Breaking	Reception		
13:30~14:00	Opening Ceremony Moderator : MG(R). Yang Byeonghui	Opening Address : President of the AROKA Congratulatory Address :MG. Heo Geonyeong		
14:00~17:00	Session I Changes in the Future Defense Environment	ement / Discussion & Direction of Ground Firepower System Development G(R). Oh Jeongil		
14:00~14:30	Presentation 1 : Dr. Kim Yeonghwan	Changes in the Future Defense Environment and Ground Firepower operation		
14:30~15:10	Presentation 2 : Dr. Jang Sangguk	A Plan of Developing the Future Firepower System		
15:10~15:40	Free Discussion	Facilitator		
15:40~16:00	Break			
16:00~17:00	Session II Research to Improvement of Tactics UAV Survival *Facilitator : MG(R). Oh Jeongil			
16:00~16:30	Presentation 3 : Moon Gwango PM	Research to Improvement of Tactics UAV Survival		
16:30~16:50	Free Discussion	Facilitator		
16:50~17:00	Closing Address	AROKA LTG(R). Kim Yonghyeon		

# Defense Venture Technology Transfer Conference





### Defense Venture Technology Transfer Conference

- Date / Location : Nov. 19(Thu) 13:30~16:00 /Exhibition Center II 3rd Floor, Room 307
- Host : Defense Agency for Technology and Quality (DTaQ)

Time	Program	Remarks	
13:30~13:40	Conference outline		
13:40~13:50	Introduction of Participants	Team of Defense Venture	
13:50~14:00	Defense Venture Business Introduction		
14:00~14:20	ROKA required Technology Introduction	ROK Army HQ	
14:20~14:30	Break		
14:30~16:00	Group Interview	ROK Army HQ - Defense Venture Department	

# **Prevention Covid-19 Seminar**



### **Prevention Covid-19 Seminar**

- Date / Location : Nov. 19(Thu) 14:00~16:30 / Exhibition Center II Hall 6A
- Host : The Armed Forces Medical Command (AFMC)

Moderator : COL(S). Hwang Jeomsuk

Time	Program		Contents	
13:30~14:00 (30')	Registration	Pre-registrant chec	k	
	Opening Address	Chae Wooseok Pres	sident of KADIS	
14:03~14:05 (2')	Celebratory Address	Seok Woong Arme	d Forces Medical Commander	
	Part 1. Cov	vid-19 Counterpla	n capability of the ROK Army	
14:05~14:20 (15')	[Presentation	n 1] Lee Sunyeong Dir	ector of AFMC Preventive Medicine	
14:20~14:35 (15')	[Presentation 2] Oh Hongsa	ing Infection control I	Manager of Korean Armed Forces Capital Hospital	
14:35~14:50 (15')	[Presentation 3] Noh Gyeongtae Doctor of Armed Force medical science research institute			
	Break Time and Photo			
	Part 2. Special Lecture and Discussion Facilitator: Park Gyueun Director of Armed Force medical science research institute			
15:00~15:15 (15')	[Special 1] Director of Armed Force medical science research institute			
15:15~15:30 (15')		[Special 1] Song N	Nangi Doctor of IVI	
		Discussio	n and Q&A	
	<ul> <li>Kim Yeongdeok, President of KGI Center</li> <li>Kim Yeongjun, Doctor of Catholic Uni.</li> <li>Kim Jeongsang, Team Manager of Kmdica</li> <li>Noh Gyeongtae, Doctor of Armed Force medical science research institute</li> </ul>		<ul> <li>Song Mangi, Doctor of IVI</li> <li>Oh Hongsang, Infection control Manager of Korean Armed Forces Capital Hospital</li> <li>Lee Sunyeong, Director of AFMC Preventive Medicine</li> <li>Lee Jeongeun, Vice President of Sugentech</li> </ul>	
		Cle	ose	

Simultaneous Interpret: Kim Jeongwon

# Netherlands-Korea Defense Industry Cooperation Webinar



### Netherlands-Korea Defense Industry Cooperation Webinar

- Date / Location : Nov. 20(Fri) 16:00~17:30 / Exhibition Center II Hall 3rd Floor, Room 304
- Host : Korea Defense Industry Trade Support Center (Kodits)

Time	Contents	Remarks
16:00-16:15 (NL 08:00-08:15)	Greetings	Ambassador of the Netherlands to Korea, Ambassador of the Korea to Netherlands, NIDV, KODITS
16:15-16:30	Netherlands Defense Industry R&D Policy	The Dutch Ministry of Defense
(NL 08:15-08:30)	(Security, technology trends etc.)	Auke Venema
16:30-16:40	R&D	TNO
(NL 08:30-08:40)	Project current status and international cooperation	Louk Absil
16:40-16:55	Korea Defense Industry R&D Policy	DAPA
(NL 08:40-08:55)	(Security, technology trends etc.)	Sim Hyeonseok
16:55-17:05	R&D Project current status	ADD
(NL 08:55-09:05)	and international cooperation	Han Isu
17:05-17:15	Netherlands-Korea	<b>DSM Dyneema Korea</b>
(NL 09:05-09:15)	cooperation case	Kim Jinhui
17:15-17:30 (NL 09:15-09:30)	Discussion and Q&A	

# Domestic Weapon Priority Acquisition System (BKD) Plan Public hearing



### Domestic Weapon Priority Acquisition System(BKD) Plan Public hearing

- Date / Location : Nov. 20(Fri) 14:00~16:30 / Exhibition Center II Hall 10, Official Venue
- Host : Defense Acquisition Program Administration (DAPA)

Time	Contents		
Moderator: Ahn Hyeongjun STEPI Researcher			
14:00~14:20 (10')	Opening	Opening Ceremony, Pledge of Allegiance, Guest introduction	
		Welcome Address: DAPA Promotion Director	
14:20~14:40 (30')	Session 1	Domestic Weapon Priority Acquisition System (BKD) Plan - Ha Taejeong (STEPI Researcher)	
	Session 2	BKD System Survey Result - Kim Minjae (Office Manager of Korea Gallup)	
15:00~16:00 (60')	Discussion	acilitator: Kim Inho STEPI Researcher - Seo Yongwon - Defense Policy Director of DAPA - Kim Heonsu - Former Power Policy Officer of MND - Chun Jeongsu - Former Assistant Cheif of Staff for N5 of ROKN - Shin Jongseok - President of Huneed Technologies - Kim Wanggyeong(Senior Managing Director of Hanwha) - Jung Han(President of 13 Systems)	
16:00	Closing	closing and Photo	

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# **Dronebot Combat Development Forum**



### Dronebot Combat Development Forum

- Date / Location : 11. 20(Fri) 09:30~17:00 / Exhibition Center II , 3rd Floor Room 306
- Host : Korea Drone Innovation Association (KDIA)

Time	Contents	Speaker
09:30~10:00	Opening Ceremony - the Pledge of Allegiance - Opening Address : Chairman	Executive Director - Han Gyuri
Session I	Revitalize the Private qualification for Dronbot Development	KDIA
10:00~10:20	Activation Plan of Instrument Flight (IF)	Secretary General - Seo Ilsu
10:20~10:40	Activation Plan of Drone mechanic	Dierector of Administration - Kwon Junbeom
10:40~11:00	Activation Plan of Drone Surveillance Patrol	PR Director - Kim Hyeongjun/ Education Director Noh Uhyeon
11:00~11:20	Activation Plan of Drone S/W Coding	Drone Division - Woo Hyeonho
11:20~11:40	Activation Plan of Drone Spatial Data Expert	Business Manager - Shim Cheolgyu
11:40~12:00	Activation Plan of Dronbot Service Platform	HANCOM inSPACE Managing Director - Kim Hakchang
12:00~12:20	Activation Plan of Drone swarm Indoor Service	President of ROBOLINK - Lee Hyeonjong
12:20~12:40	Activation Plan of Effective Delivery	Policy Director - Ahn Jinseop
12:40~13:00	Activation Plan of Associatioin for Dronbot Comabat Development Support	J Lab CEO - Jang Mungi
13:00~13:50	Lunch	Individually
Session II	Dronebot Combat Development Forum	Invite an Expert
13:50~14:00	Drone Swarm Indoor Performance	President of ROBOLINK - Lee Hyeonjong
14:00 ~ 14:20	Congratulatory Address	<ul> <li>Member of National Defense Committee - Han Giho</li> <li>Member of Land Infrastructure &amp; Transport Committee - Song Eonseok</li> <li>President of DX Korea Organizing Committee - Kim Yongu</li> <li>Commander, ROK Army Training &amp; Doctrine Command LTG Yoon Uicheol</li> </ul>
14:20~14:40	Forwarding Direction of Dronebot Combat Development	Director of Dronbot Researcher Center - Kim Duhyeong
14:40~15:00	Activation Plan for Lines of Communications Operations	J Lab CEO - Jang Mungi
15:00~15:20	Precise data Acquisition Plan for Surveillance Patrol	Dusi Tech CEO - Jung Jinho
15:20~15:40	Dronbot unit's Application Proposals to International Seminar	IBIRDIE CEO - Tak Seungho
15:40~16:00	Illegal Drone Detection / Response Technology for Dronbot Development	FeelaNET Senior Managing Director - Mun Seongcheol
16:20~16:40	Application Plan of Mapping for Dronbot Development	SIQMS Doctor - Kim Taehun
16:40~17:00	Activation Plan for Dronbot Control, UTM, and M-UTM	KARI General Manager - Han Sanghyeok

# Press Release & Youtube

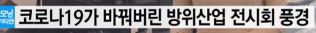
A total of 40 Media Companies reported 100 Articles

Press checking period '1st Oct. 2019 ~ 15th Dec. 2020'



Arirang TV "S. Korea's specialized defense industry exhibition 'DX KOREA 2020' opened Wed."











SBS 뉴스 "표 최대 규모 방위산업 전시회 개막… "겹겹이 방역"

'DX





DX

개한민국 방위산업적



• 아시아 최대 규모 지상 무기 종합전시회



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DX KOREA 2020에 출품된 K3전차 모형, K2폴란드형, 기

- 형, 기갑장법





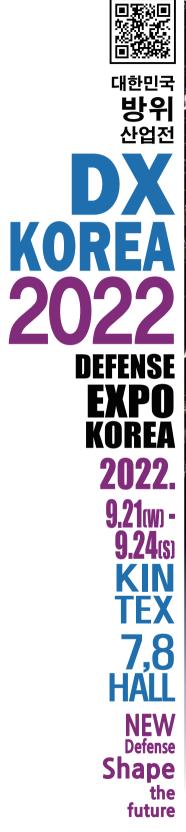
















주최 **사 R 값 K 시** 대한민국육군협회

주관 **Kotra** Korea Trade-Investment Promotion Agency

