

Total Solution Provider

CONET SYS

Providing Technology for
Military Communications & Network Systems





- › **General Information**
- › **History**
- › **Organization**
- › **Field of Business**
- › **Technology**
- › **Manufacturing**
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General Information

We, CONET SYS, founded in 1994. CONET SYS supply Design, Engineering and Manufacturing Technology for military communication system. As a leader of system supplier, CONET SYS will be a total solution provider for Defense Industry

Company	CONET SYS Co., Ltd
Founded	1994. 07. 01.
CEO	KIM DAUK KI, KIM JONG WOOK
Employee	86 (Eng'g : 20+, Mfg : 30+)
Capital	1,570M KRW
Sales	20.2B KRW (15M USD) (2023)
Location	Head Office / R&D Center 80, Gaetbeol-ro, Yeonsu-gu, Incheon, Korea
#1 Factory	25, MTV12-ro, Danwon-gu, Ansan-si, Gyeonggi-do, Korea
#2 Factory	44, Neungheodae-ro 625beon-gil, Namdong-gu, Incheon, Korea
Gumi Office	722, 212, 1gongdan-ro, Gumi-si, Gyeongsangbuk-do, Korea

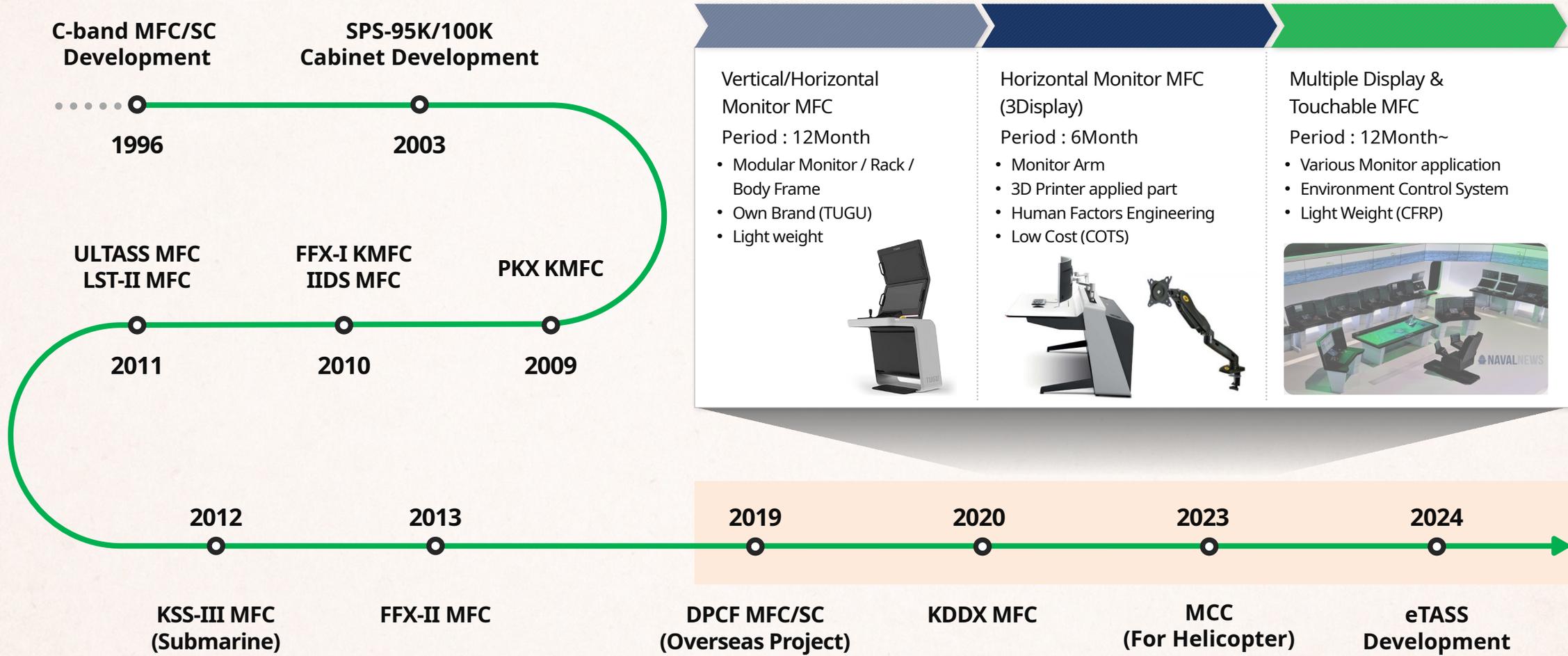
Business

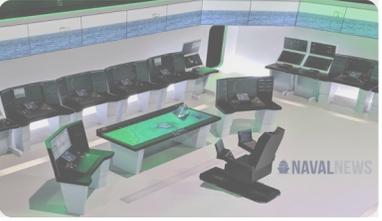
- Multi Functional Console and System Cabinet (Hardware)
- Mechanical Engineering and Manufacturing (incl. Built Print)
- Cable Design, Wire Harness and Manufacturing
- MRO

Clients

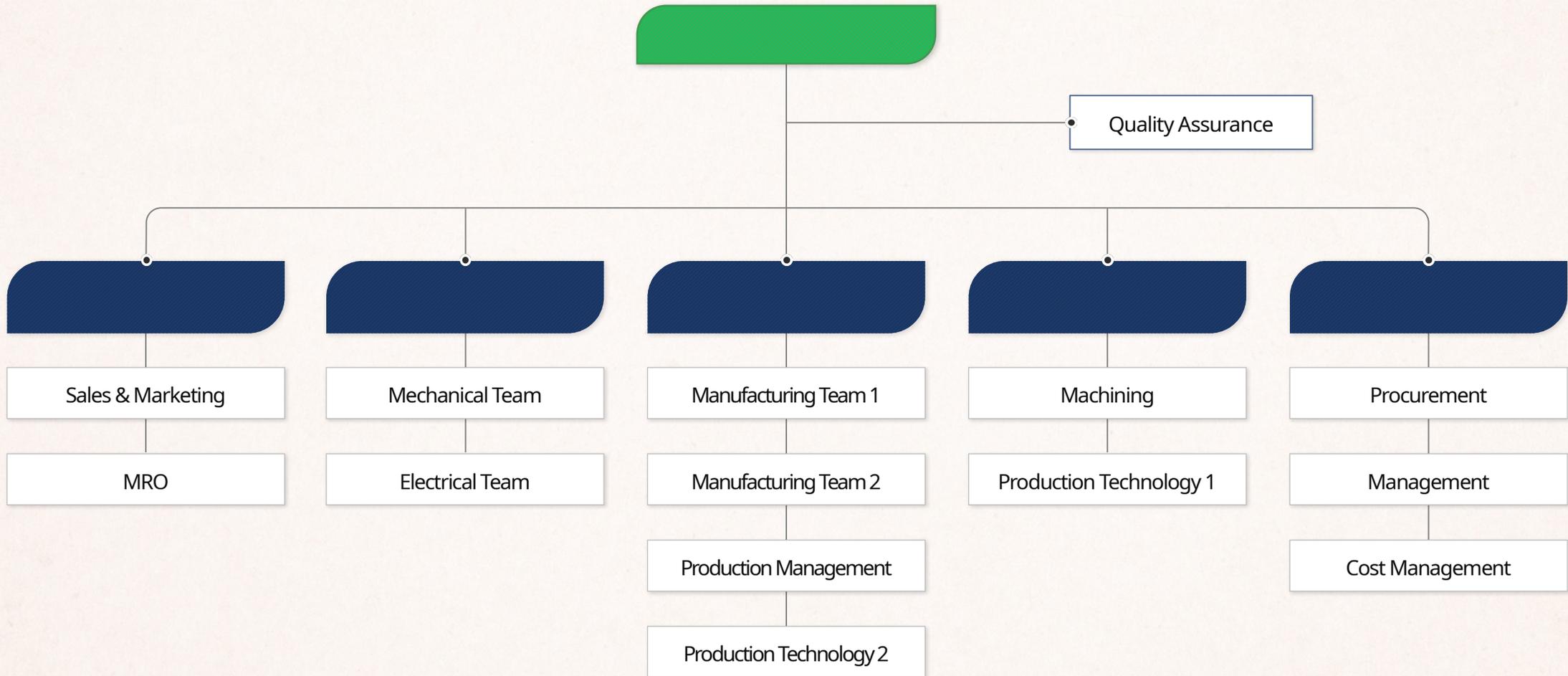


History



<p>Vertical/Horizontal Monitor MFC Period : 12Month</p> <ul style="list-style-type: none"> • Modular Monitor / Rack / Body Frame • Own Brand (TUGU) • Light weight 	<p>Horizontal Monitor MFC (3Display) Period : 6Month</p> <ul style="list-style-type: none"> • Monitor Arm • 3D Printer applied part • Human Factors Engineering • Low Cost (COTS) 	<p>Multiple Display & Touchable MFC Period : 12Month~</p> <ul style="list-style-type: none"> • Various Monitor application • Environment Control System • Light Weight (CFRP) 
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Organization



Field of Business

“ Total Solution Provider for Communication and Network System ”

- Multi Functional Console
- System Cabinet
- Integration / Assemble
- For NAVY, Air Force and Army



- Sonar Array Drum + Sensor
- Built Print
- Precision Processing



- Design and Manufacturing for Cable
- Wire Harness



- MRO for MFC, SC
- MRO for Hardware
- F-35A MRO&U (G-Unit)

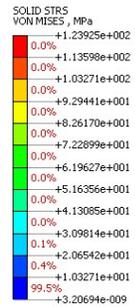
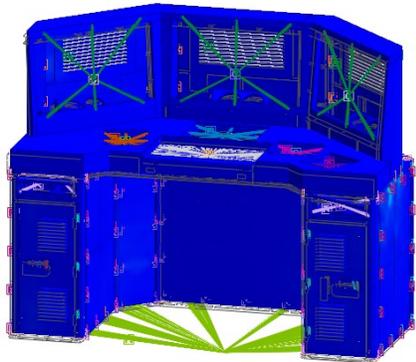
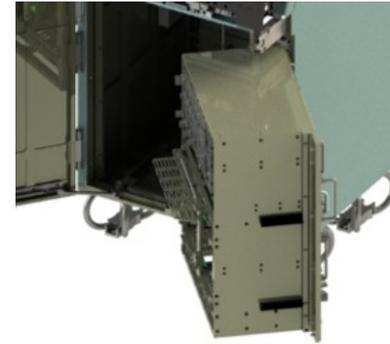
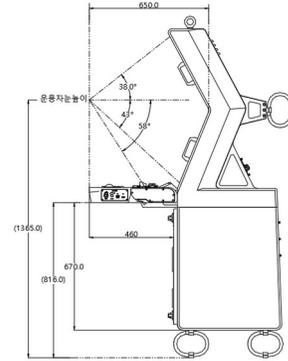
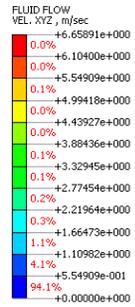
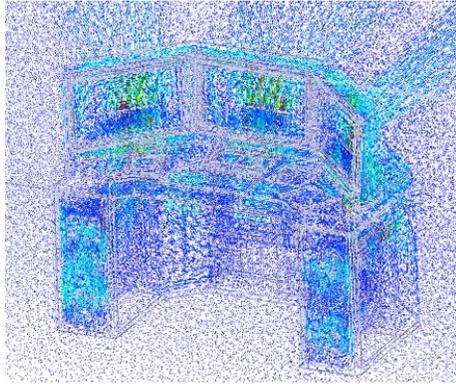


Technologies



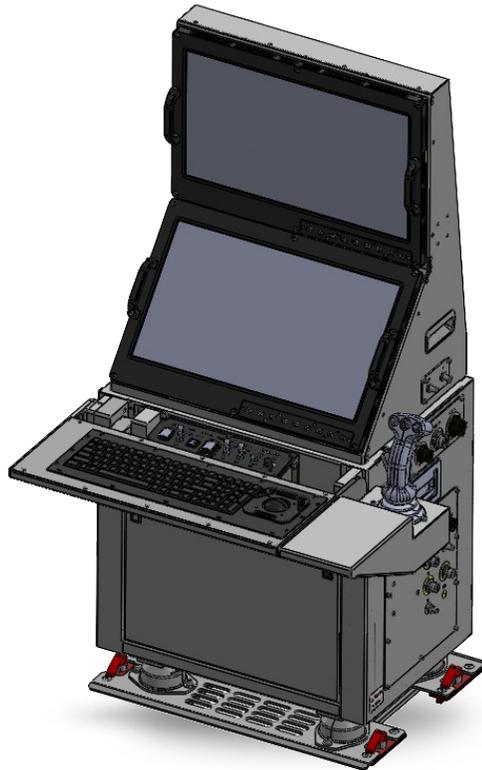
Mechanical	Structure/Thermal Analysis	Midas NFX/CFD
	Design, Engineering for Hardware	Human Engineering
	Manufacturing Mechanical	
	Masking, Helical Coil, Integration	
Electrical	Digital/Analog Design	
	EMI Engineering	
Cable Harness	Cable Design and Manufacturing	CONET SYS has own Facilities
	Wire Harness and Integration	
Others	AS 9100D	Design, Assemble, Manufacturing and all of process
	Quality Control	

Technologies



On-going Project

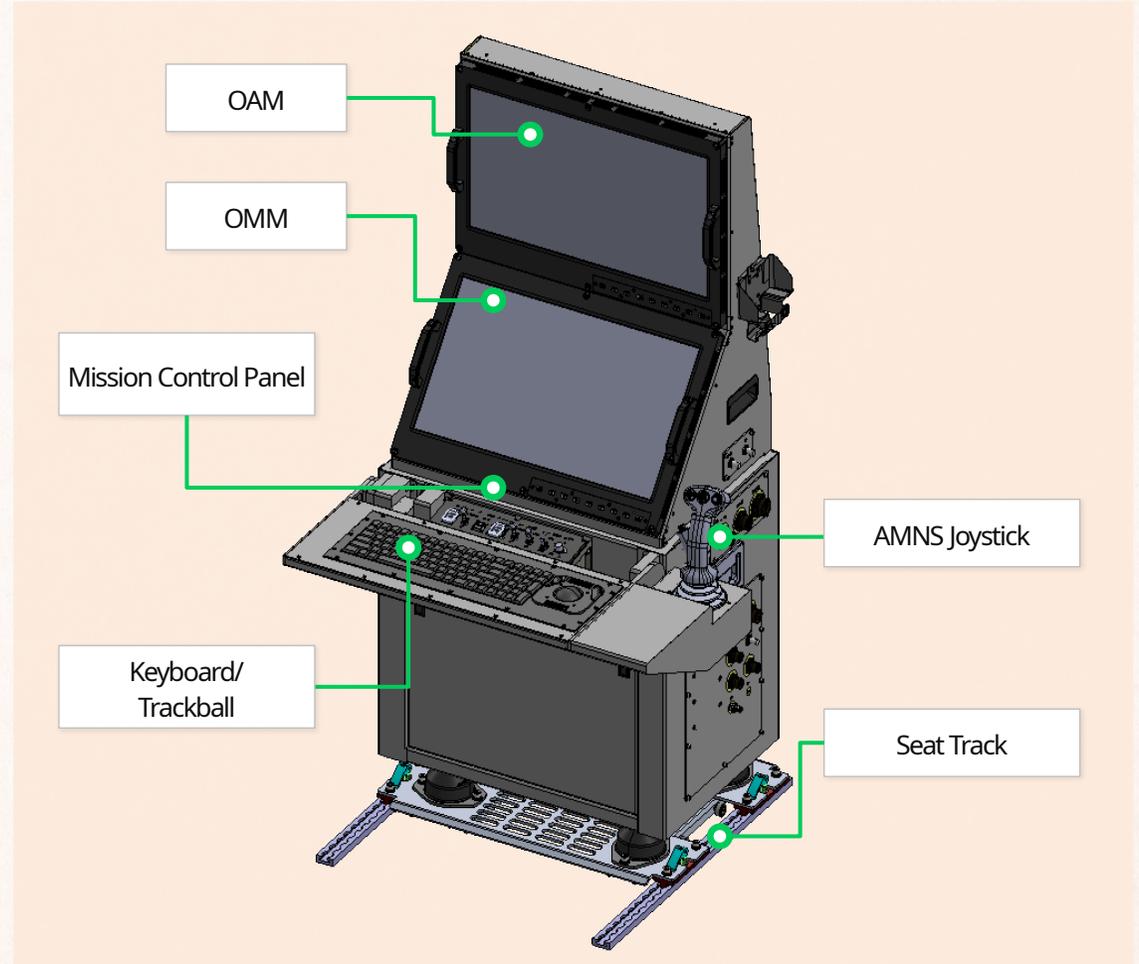
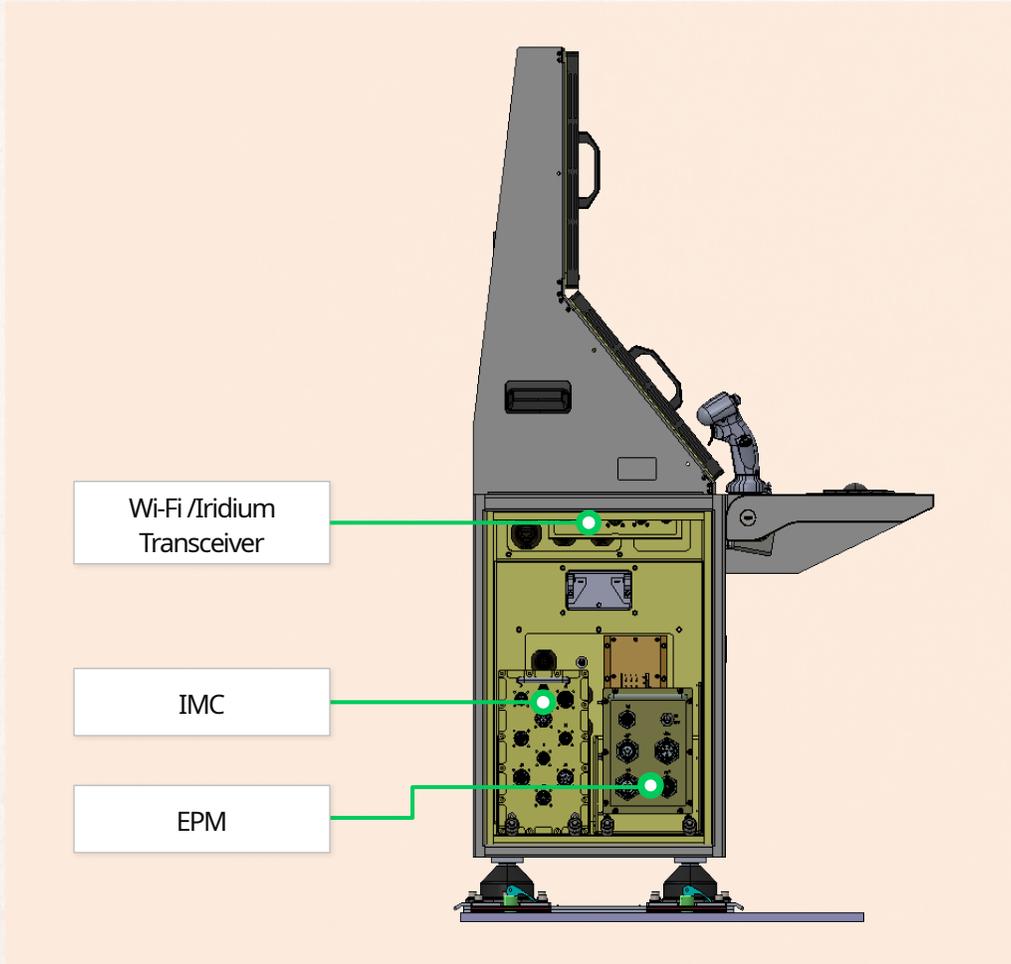
The MCC(Mission Control Console) provides an operator the integrated control function for Korean Mine Countermeasure Helicopter program.



OS	Windows 10
CPU	6-core Intel Xeon E-2276ME, 8th generation
Storage / RAM	> 2TB (SSD) / DDR4 32GB
Graphic	NVIDIA 2000, DDR6 8GB
Display Pixels	24" x 2, 1920 x 1080 (FHD)
Interface	<ul style="list-style-type: none"> •USB 2.0 x 1, USB 3.0 x 1 •HD-SDI Input/Output x 1 •Fiber Channel x 1(ALMDS Com.) •Ethernet Channel x 2(Avionics Data Com.) •Ethernet Channel RJ45 x 1 •RF Channel x 2(AMNS/AUV Com.)
Size(L x W x H, mm)	733 x 731 x 1325.5
Weight (kg)	< 89 kg
Input Power	28 VDC
Power Consumption	< 600 W
Operational Temp.	-32°C ~ +50°C
Operational Altitude	6,096 m (20,000 ft)
Characteristics	<ul style="list-style-type: none"> • Desk Assembly Folding Structure • Upper/lower Part Separation Structure • Fixed using a Seat Track

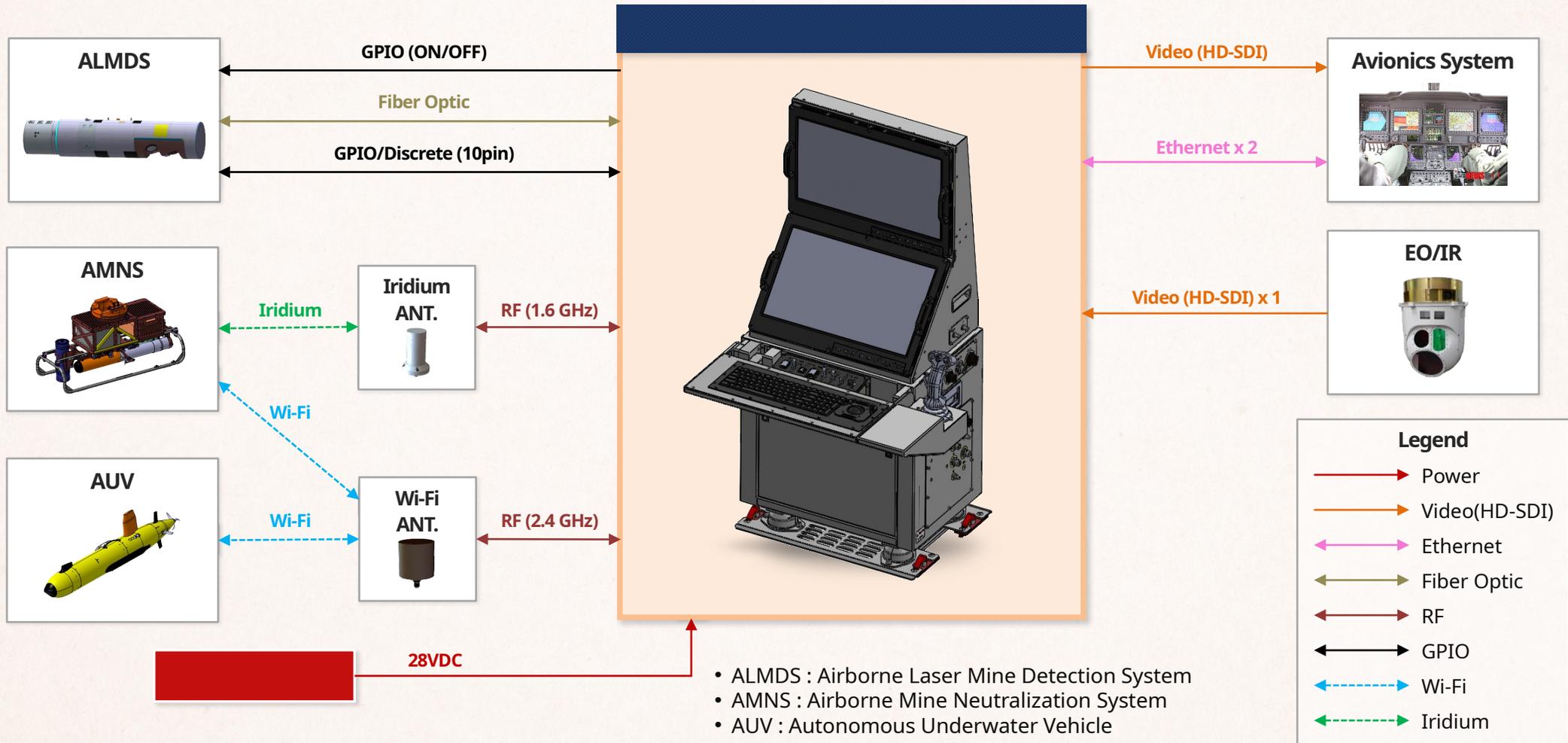
On-going Project

I Features and Configurations



On-going Project

I Features and Configurations



Manufactures



- Machining Center
- 5
- Mechanical



- CNC Boring Machine
- 2
- Mechanical



- Insert Machine
- 2
- Mechanical



- 3D Printer
- 1
- 3D Printing

Facilities

신관

- 1F : QC
- 2F : Management
- 3F : Cable Workshop II
- 4F : Cable Workshop III

본관

- 1F : H/W Assemble
Cable Workshop I
- 2F : Mechanical Assemble
- 3F : R&D Center



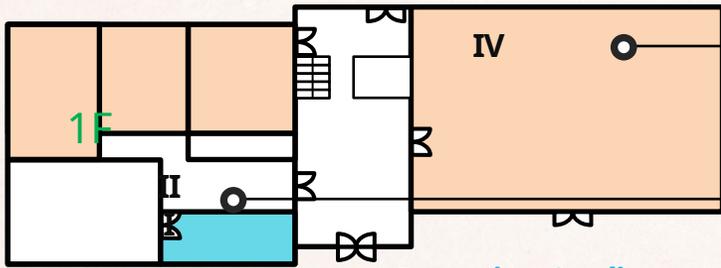
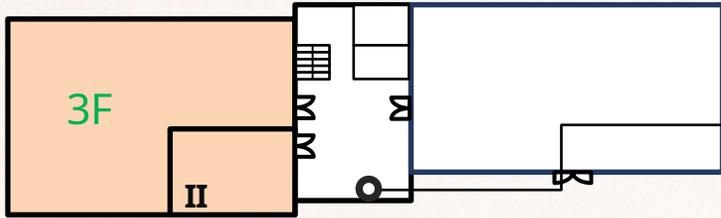
별관

- 1F : Cafeteria
- 2F : Cable Workshop IV

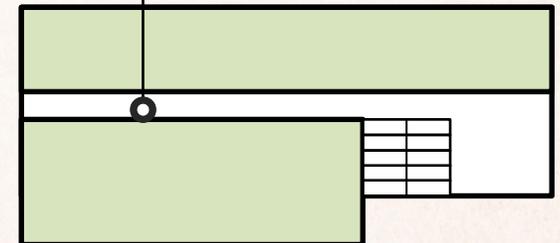
Cable	· 19.8m x 9.0m
Workshop I	· 180.0m ² (54py)
Cable	· 17.7m x 15.0m
Workshop II	· 265.5m ² (80py)
Cable	· 17.7m x 15.0m
Workshop III	· 265.5m ² (80py)
Cable	· 9.0m x 12.4m
Workshop IV	· 111.6m ² (33py)

Facilities

H/W Assemble



Cable



Certification

I Certifications



1.	AS 9100D	QC for Aerospace	Lloyd
2.	ISO 9001	Quality Control	KPC
3.	ISO 14001	Quality Control w/Environmental	KPC
4.	R&D Center		KIST
5.	Venture Company		

I Patents

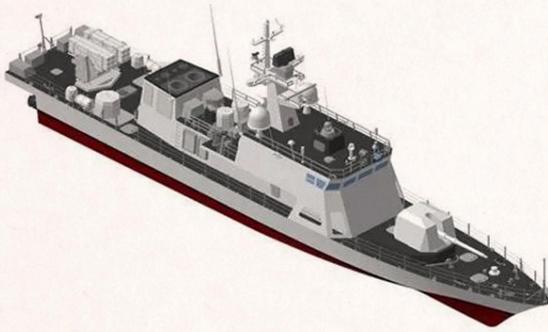


1.	Multifunction Console	KR-2019-3000144	EU, US
2.	Multifunction Console	No. 30-1086142	
3.	Multifunction Console	No. 30-1082316	
4.	Joint Part	No. 30-1118911	
5.	Button for MFC	No. 30-1142375	
6.	Registered Trademark	No. 40-1672098	
7.	Registered Trademark	No. 40-1672102	

Reference List

I Products

Patrol Boat (PKG-A, PKMR)



CMS MFC



Radar Cabinet



EOTS Cabinet

Guided Missile Frigate (FFX-I, II, III)



CMS MFC



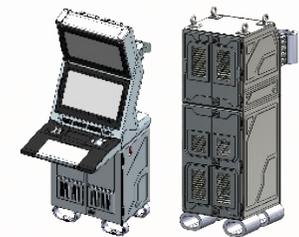
Radar Cabinet



SAT Comm. Cabinet



EOTS Cabinet



TASS Console/Cabinet

Reference List

I Products

Destroyer Helicopter (KDX-I)



Navigation Radar Cabinet



SAT Comm. Cabinet

Agis Destroyer (KDX-III)



Navigation Radar Cabinet



Radar Console



SONAR Cabinet

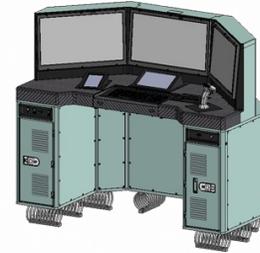
Reference List

I Products

Korean Destroyer (KDDX)



CMS MFC



CMS MFC



CMS MFC

Mine Warfare Ship (MHS)



Operator Console



Receive Amplification Cabinet



Transmitter Cabinet

Reference List

I Products

KSS-III Batch-I

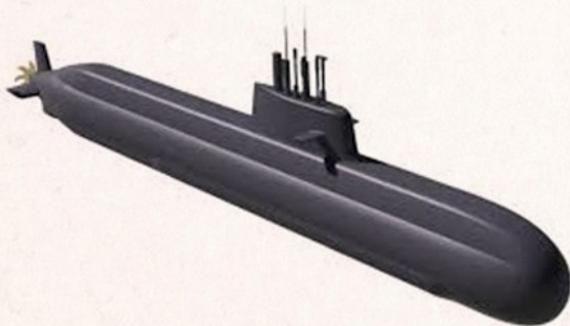


CMS MFC



Command & Control Cabinet

KSS-III Batch-II



CMS MFC



Command & Control Cabinet

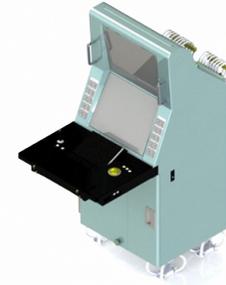


Weapon Control Cabinet

Reference List

Products

PN Frigate (PNF)



CMS MFC

PN Frigate / Corvette / OPV (DPCF, Corvette, OPV)



CMS MFC



System Cabinet



System Link Unit

Reference List

I Products

Vertical Launching System (KVLS-II)



KDX-III



KDDX



Launch Control Console



Vertical Launch Control Cabinet

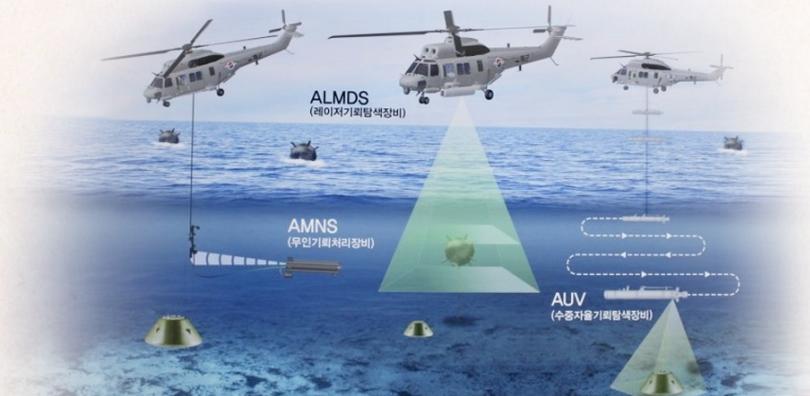


System Link Unit

Reference List

Products

Mine Countermeasure Helicopter (MCH-1)



Mission Control Console



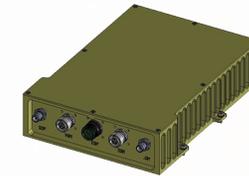
OAM/OMM



Integrated Mission Computer



Electrical Power Module



Wi-Fi/Iridium Transceiver



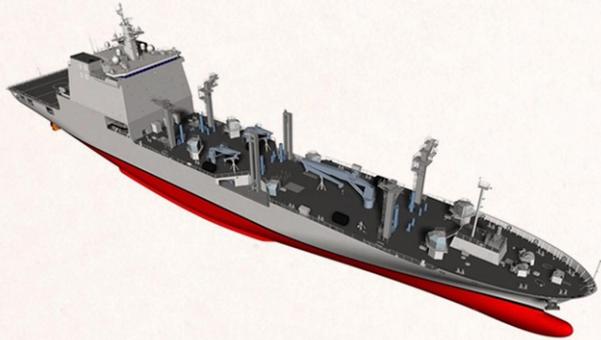
Mission Control Panel

Reference List

I Products



Auxiliary Oil Ammunition (AOE/ATS)



SAT Comm. Cabinet

Auxiliary Training ship Helo (ATX)



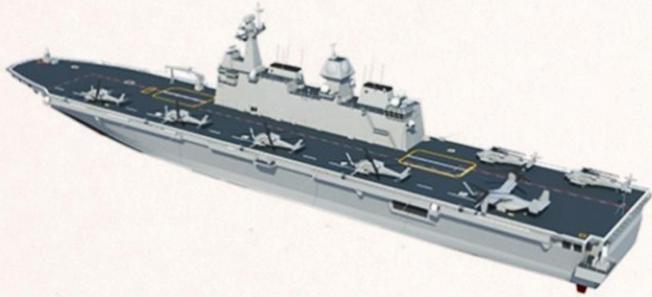
CMS MFC

EOTS Cabinet

Reference List

I Products

Landing Platform Helicopter (LPH)



Radar Cabinet



SAT Comm. Cabinet

Landing Platform Helicopter (LPH-1 PIP)



CMS MFC



System Link Unit

Reference List

I Products

Amphibious Ship (LST-II)



CMS MFC



SAT Comm. Cabinet



EOTS Cabinet

Mine Launch Ship (MLS)



SAT Comm. Cabinet



EOTS Cabinet

Reference List

Products



Ultra Low Frequency TASS (ULTASS)



Tactical Operator Console



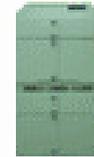
Display & Control Console



Classification & Detection Console



Information/Tactical Cabinet



Sensor/Signal Processing Cabinet



AGS



Tactical Operator Console



Multi Function Console



Information Processing Cabinet



Signal Processing Cabinet



Sensor Interface Cabinet

Reference List

I Products



KDX-I, II, III



FFX-I, II, III

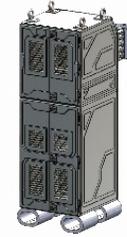


KDDX

Towed Array Sonar System (TASS)



Multi Function Console



Integrated Processing Cabinet

Hull Mounted Sonar System (HMS)



Cylindrical Array Drum



Transducer Housing

Reference List

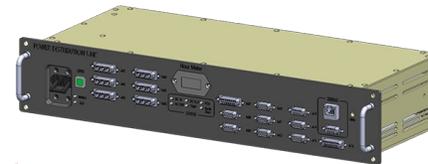
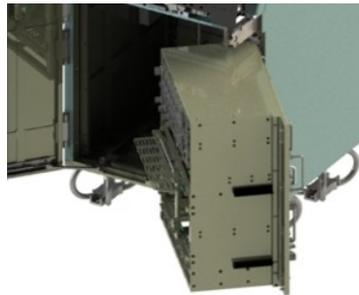
R&D



Fixed Target



F-type Target



2U PDU for MFC



3U PDU for SC

Reference List

I R&D



TUGU



TUGU-II

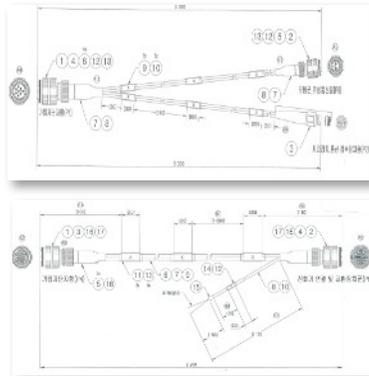
보유기술 - Wire Harness

Cable 설계 / 제작 / 검사 / 설치의 모든 공정을 in-house 로 수행하여 고객 요구사항을 충족하는 제품을 생산할 수 있음

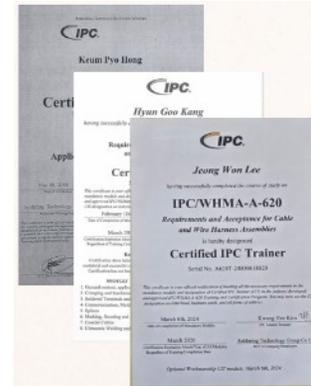
- 사업별 Harness & Cable 개발 실적 보유
- 특성별 Harness & Cable 제안 / 설계



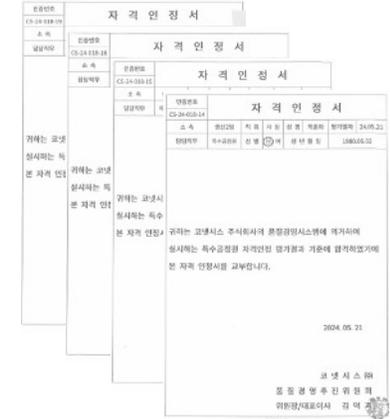
- 고객사별 (한화 , KAI 등) 도면 제작 요구조건 반영
- 기술변경 검토 / 진행



- Harness & Cable Ass'y 제작 승인 보유
- 품질 관련 주요 설비 및 절차 유효성 확보



- 고객사별 (한화 , KAI 등) 품질 기준 검사 가능
- 주장비 사양에 따라 특성 제안 / 검토 및 제작 가능

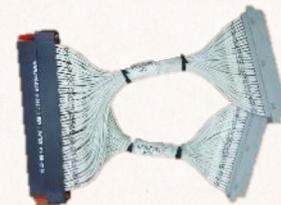
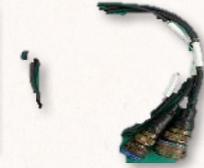
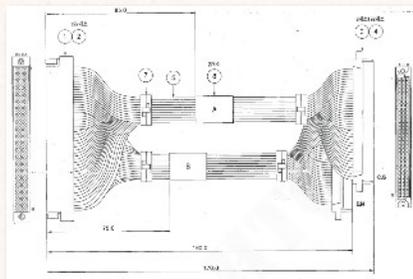
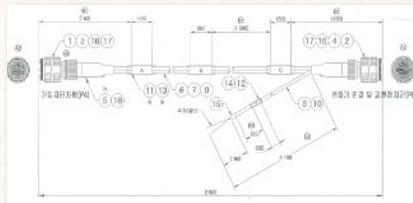
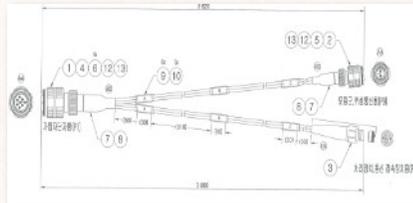
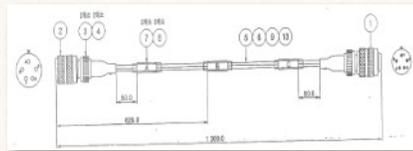


보유기술 - Wire Harness

항공 / 해상 (수상함 , 잠수함 등) / 육상에서 운영되는 하드웨어에 필요한 각종 Cable 을 직접 설계 / 제작 / 설치

단위 : SET

No.	사업명	장비명	장비 수량	케이블 수량	합계
1	IIDS	MFC	5	55	275
2		SC	2	82	164
3	LST-II	MFC	32	67	2,144
4	MLS-II	MFC	9	69	621
5	PKX-A	MFC	36	68	2,448
6	FFX-I	MFC	76	59	4,484
7		연동단	175	27	4,725
8	ATX	MFC	28	59	1,652
9		연동단	17	27	459
10	장보고 -III	MFC	54	190	10,260
11	PNF	MFC	18	59	1,062
12		연동단	14	27	378
13	ISM	SC	8	73	584
14	FFX-II	MFC/	64	102	6,528
15		연동단			
16	PKMR-B	MFC	32	98	3,136
17	장보고 -III	MFC	31	111	3,441
18	B-II	SC	24	88	2,112
19	LPH-1 PIP	콘솔	15	72	1,080
20		연동단	17	28	476
21	PKMR B-II	콘솔	32	69	2,208
22	KDDX	콘솔	161	63	10,143
23	수출형	콘솔	68	69	4,692
24	(OPV 외 2 조)	캐비닛	24	164	3,936
25		연동단	24	27	648
26	MCC	MFC	5	23	115
27	EOTS	캐비닛	72	27	1,944
합계			69,715		



보유기술 - Wire Harness

Ref. 캐비닛 (잠수함용) Wire Harness 설치





TOTAL SOLUTION PROVIDER

for Communications & Network Systems



Products : Ref. FFG – I ,II (Shipment)

I Vertical Monitor MFC



- **Size (mm)** : 640(w) x 1054(d) x 1605(h) mm
- **Weight (kg)** : 280 kg
- **Cooling** : Air Cooling Type
- **Price (KRW)** : -

Temperature	MIL-STD-810G (Method 501/502)	
Humidity	MIL-STD-810G (Method 507)	
Vibration	MIL-STD-167-1A (Type I)	
Noise	MIL-STD-740-1	
Shock	MIL-S-901D	
EMI	MIL-STD-461F	
Mechanical	Turn Key	
Electrical	N/A	
Cable	N/A	

Products : Ref. KSS – III (Submarine)

I Vertical Monitor MFC



- **Size (mm)** : 640(w) x 1035(d) x 1510 (h) mm
- **Weight (kg)** : 270 kg
- **Cooling** : Water Cooling Type
- **Price (KRW)** : -

Temperature	MIL-STD-810G (Method 501/502)	
Humidity	MIL-STD-810G (Method 507)	
Vibration	N/A	
Noise	MIL-STD-740-1,2	
Shock	N/A	
EMI	MIL-STD-461F	
Mechanical	Turn key	
Electrical	Turn key	VME Rack, SBC Board
Cable	Turn key	Mil Standard

Products : Ref. KDDX Combat MFC (Shipment)

I Horizontal 3 Monitor

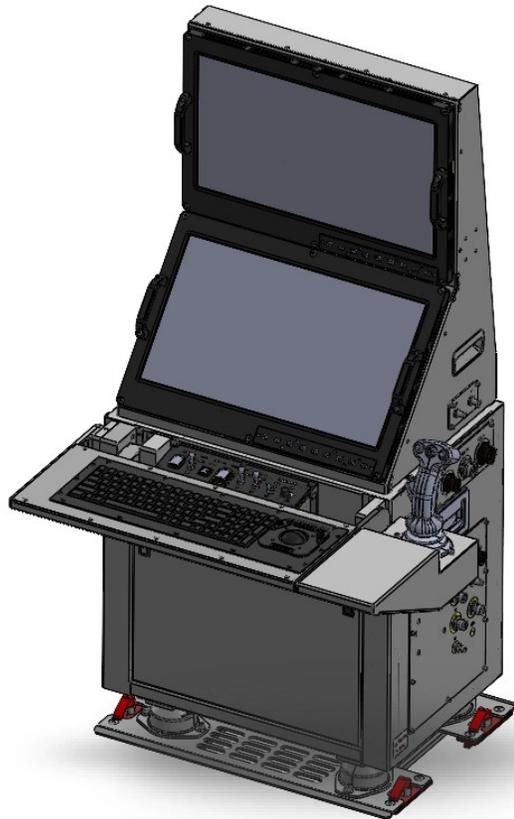


- **Size (mm)** : 1151(w) x 1682(d) x 708(h) mm
- **Weight (kg)** : 220 kg
- **Cooling** : Air Cooling Type
- **Price (KRW)** : -

Temperature	MIL-STD-810G (Method 501/502)	
Humidity	MIL-STD-810G (Method 507)	
Vibration	MIL-STD-167-1A (Type I)	
Noise	MIL-STD-740-1	
Shock	MIL-S-901D	
EMI	MIL-STD-461F	
Mechanical	Turn key	Including CFRP material
Electrical	Turn key	
Cable	Turn key	Mil Standard

Products : Ref. MCC (Helicopter)

Mission Control Console



- **Size (mm)** : 731(w) x 733(d) x 1323 (h) mm
- **Weight (kg)** : 89 kg
- **Cooling** : Convection Cooled Type
- **Price (KRW)** : -

Temperature	MIL-STD-810H (Method 501/502)	
Temp w/shock	MIL-STD-810H (Method 503)	
Altitude	MIL-STD-810H (Method 500)	
Humidity	MIL-STD-810H (Method 507)	
Explosion	MIL-STD-810H (Method 511)	
Vibration	MIL-STD-810H (Method 514)	
Shock	MIL-STD-810H (Method 516)	
Acceleration	MIL-STD-810H (Method 513)	
EMI	MIL-STD-461G	
Power	MIL-STD-704F	
Mechanical	Turn key	
Electrical	Turn key	IMC, Monitor, EPM, Control Panel
Cable	Turn key	Mil standard