VICTEK

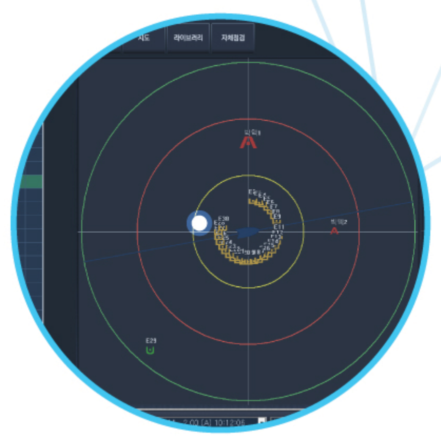
Next-Generation leader of the defense industry

V + **I** + **C** + ***Technology***

Variety Identity Creativity

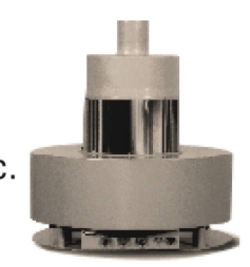
Electronic Warfare

Power supply



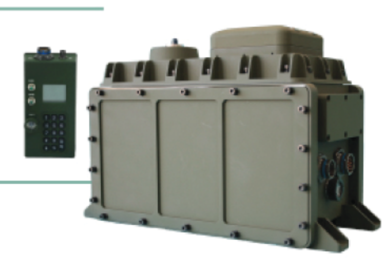
Signal Processing & Control

Electronic Warfare
EW system for Army, Navy, Air-force / DF device/ DFD, DLVA etc.



Power Supply
High Voltage Power Supply(HVPS), TWTA, UPS, Special P/S

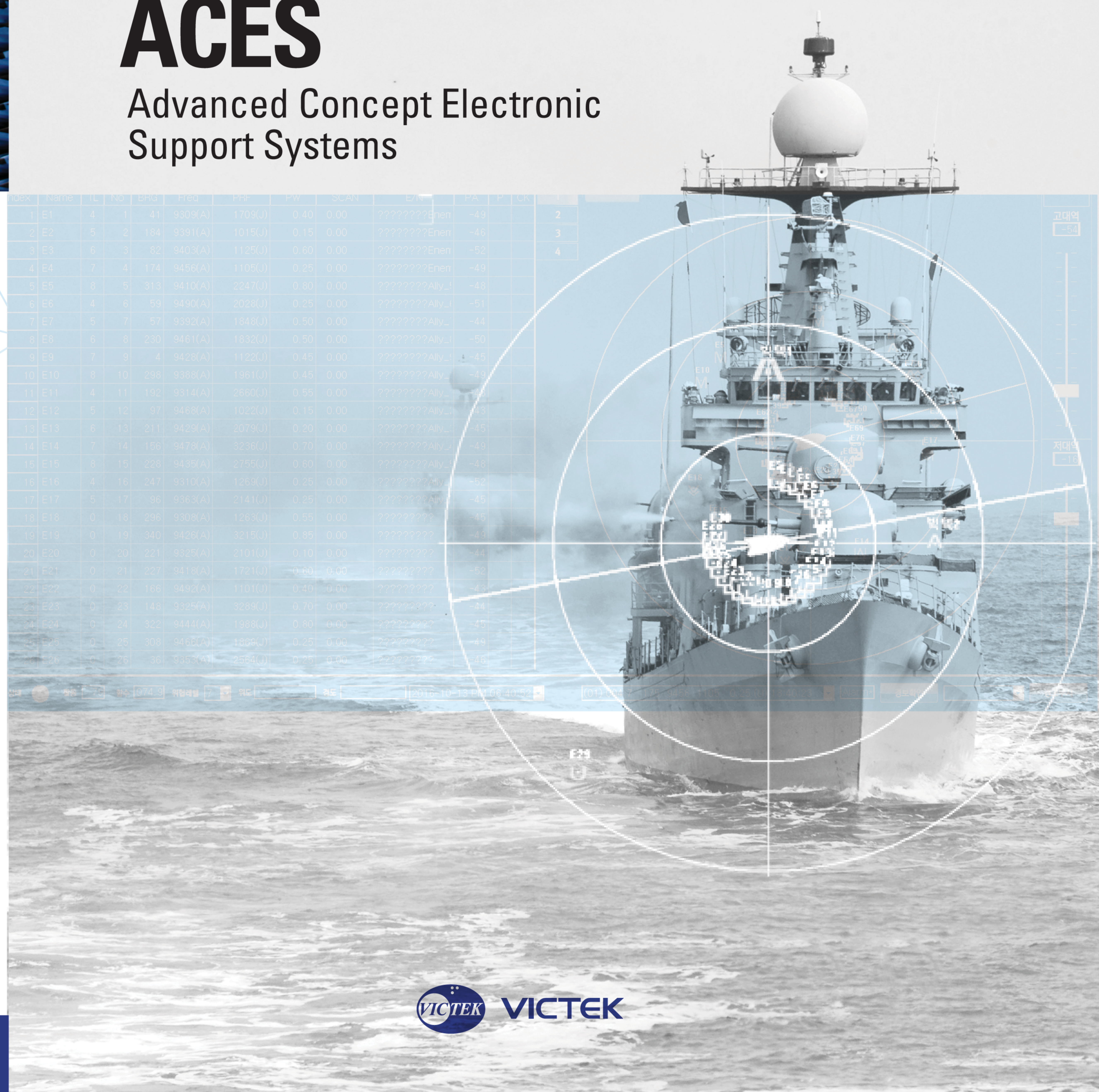
Signal Processing & Control
IFF, Tactical Computer, Signal and Control Module



Happy together with VICTEK VICTEK 180-31, Deogi-ro, Majang-myun, Yichun-si, Kyunggi-do, Korea 17385 marketing@victek.co.kr

ACES

Advanced Concept Electronic Support Systems

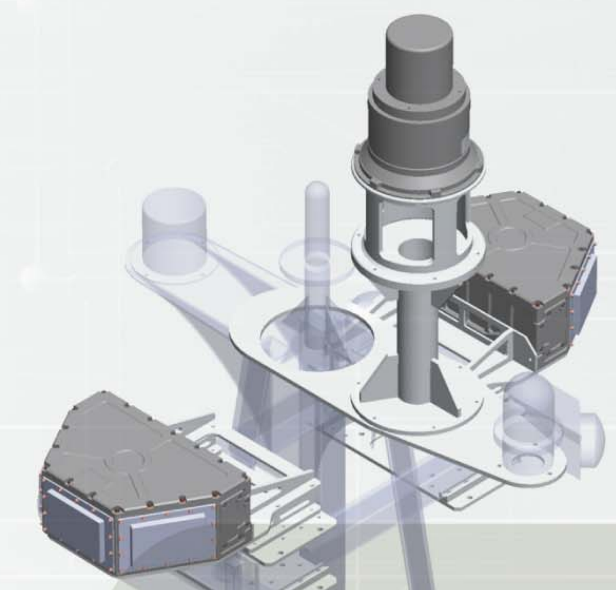


VICTEK

ACES

Advanced Concept
Electronic Support Systems

ACES,
Compact Electronic Warfare System
which is ship-borne providing frequency and direction with highly accuracy,
detects, analyzes and identifies radar signals

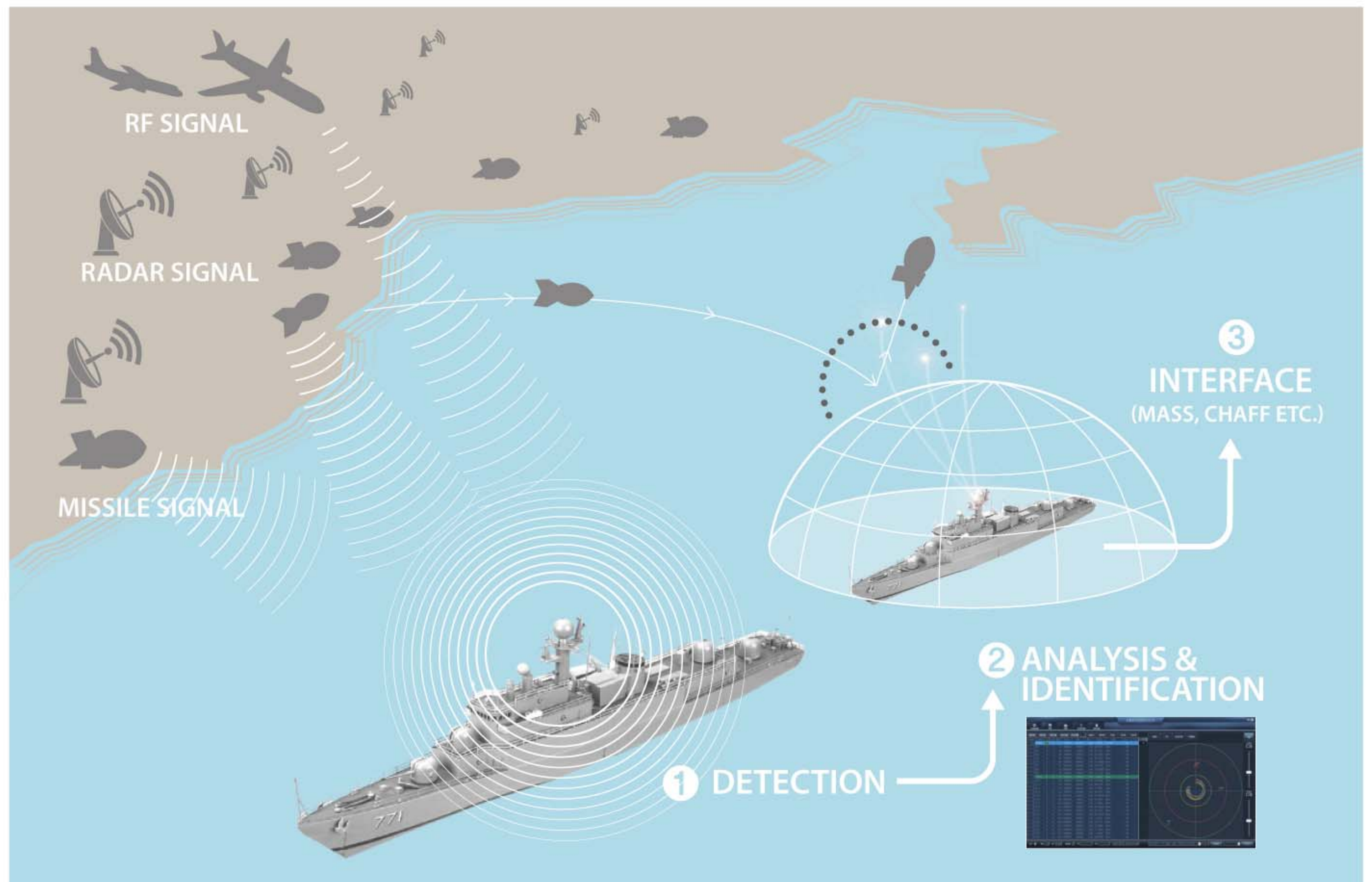


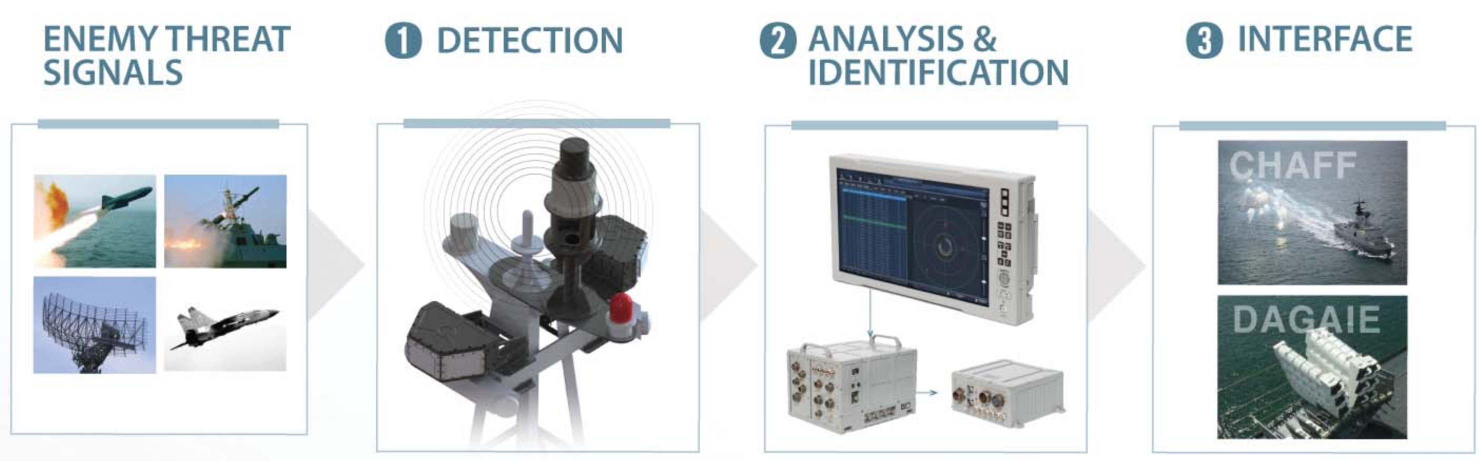
ACES can easily be installed in various ships with its simplest structure and light weight.
Simple ACES hardware structure allows easy maintenance.
Additionally, the flexible ACES GUI and user friendly functions help operators to identify and collect specific signals instantly and easily

FEATURES

- *Wide Band Frequency Range : S/C/X/KU BAND*
- *Compact and light weight*
- *High accuracy of frequency and direction*
- *Very simple operation and maintenance*
- *User friendly GUI and touch screen*
- *Interfaces with various shipboard systems (CMS, RADAR, Soft Kill Decoy Launching System, etc)*

OPERATIONAL CONCEPT





KEY PARAMETERS

Parameter	*Specification*	*Remark*
Frequency range	*○-○GHz*	*Options : ○-○GHz*
Sensitivity	*Up to ○dBm*	
Freq. accuracy	*○MHz RMS*	*For all band*
DF accuracy	*○degrees, ○degree RMS*	
POI	*More than 99%*	
BIT	*IBIT, RBIT, CBIT, SBIT*	
Interface	*Gyro, GPS, Radar, CFCS Soft Kill Decoy, etc.*	

SYSTEM CONFIGURATION

Omni Receiver

DF Receiver

RECEIVER UNITS

The Receiver unit consist of three modular structures; 1 ORU and 2 DFU. Three antennas measure instantaneously and precisely the direction of the arrival of incoming emitter signal on a basis of pulse by pulse. The state-of-the-art amplitude direction finding mechanism is embedded.

SPU(Signal Processing Unit)

The SPU provides complex radar signal processing, multi-tasking and parallel distributed data processing, real-time filtering with various parameters, high-speed pre-processor signal filtering and data collection, independent separated receiver divided into two bands, pulse and scan characteristics analysis, threat identification functionality.

OCU (Operational Control Unit)

The OCU is an high performance operator computer with high resolution touch screen monitor. The tactical situation information is displayed on the monitor in real-time basis. It allows an operator to recognize an exact situational awareness.

SIU (Ship Interface Unit)

The SIU can easily be interfaced with various systems (CFCS, FCS, RADAR, Soft Kill Decoy Launching System and etc.) of the ship.

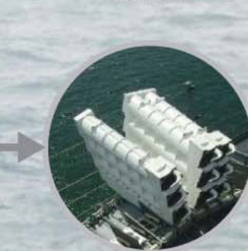
INTERFACE

CFCS, FCS

Guided Weapons

RADAR

MASS



DAGAIE

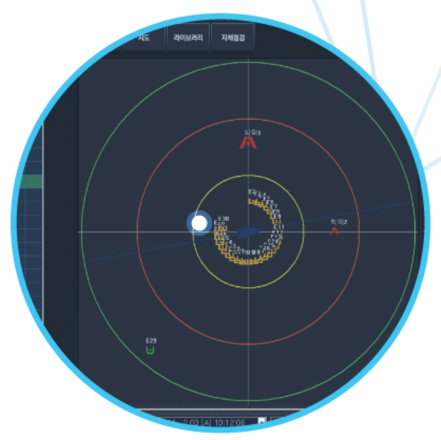
VICTEK
Next-Generation leader of the defense industry

V + **I** + **C** + **Technology**

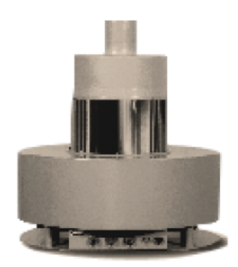
Variety Identity Creativity

Electronic Warfare

Power supply



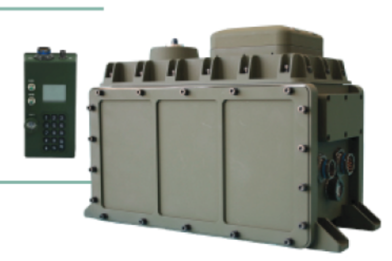
Signal Processing & Control



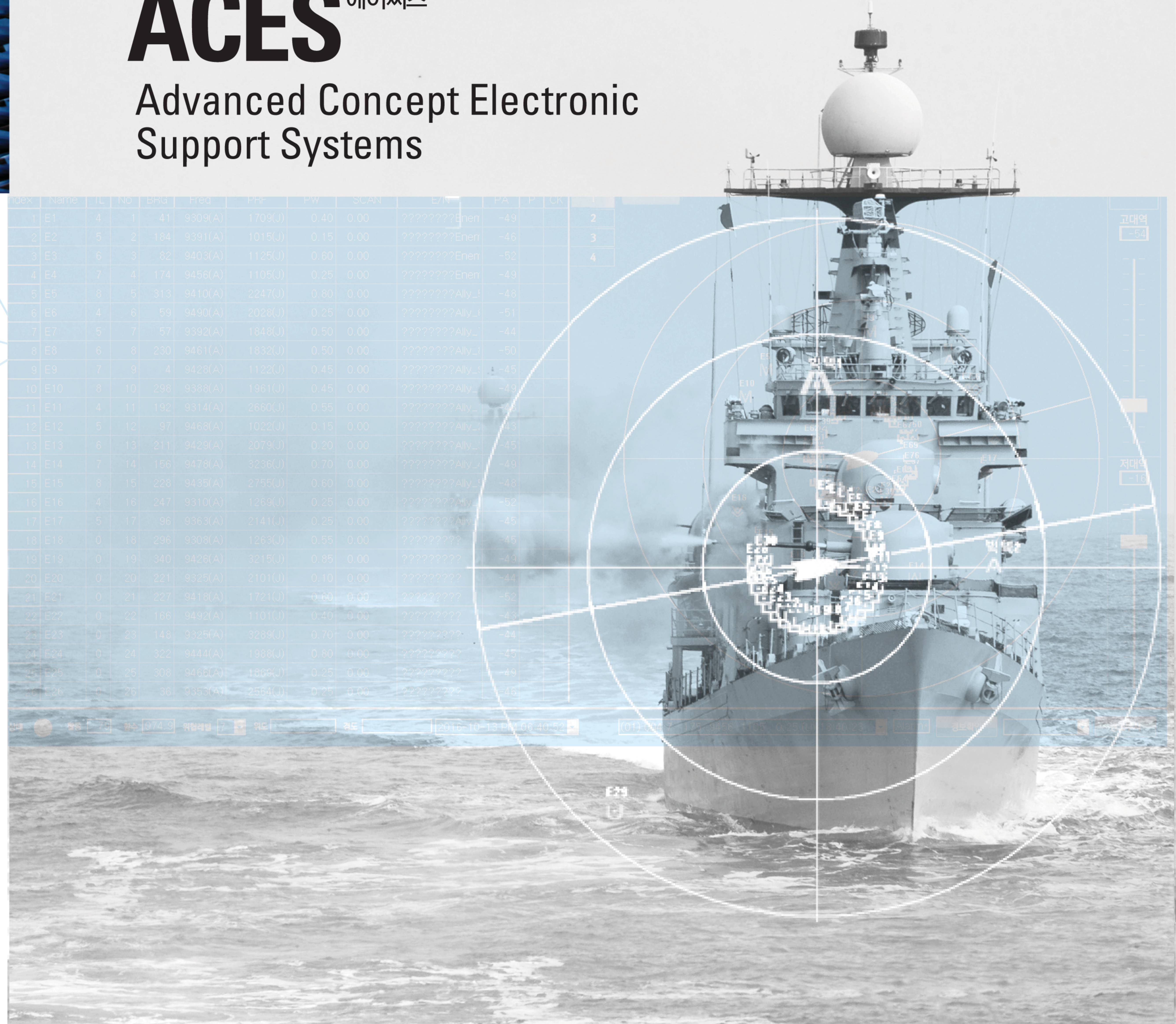
전자전 분야
함정/항공/통신 전자전장비, 방향탐지장치, DFD, 전자전 구성 모듈

전원 분야
고출력 전원공급장치, TWTA, UPS 및 표준 랙 파워(VME, PCI, VPX)

신호처리/제어 분야
피아식별기(IFF), 전술용컴퓨터, 영상/제어모듈 등



ACES 에이씨스
Advanced Concept Electronic Support Systems

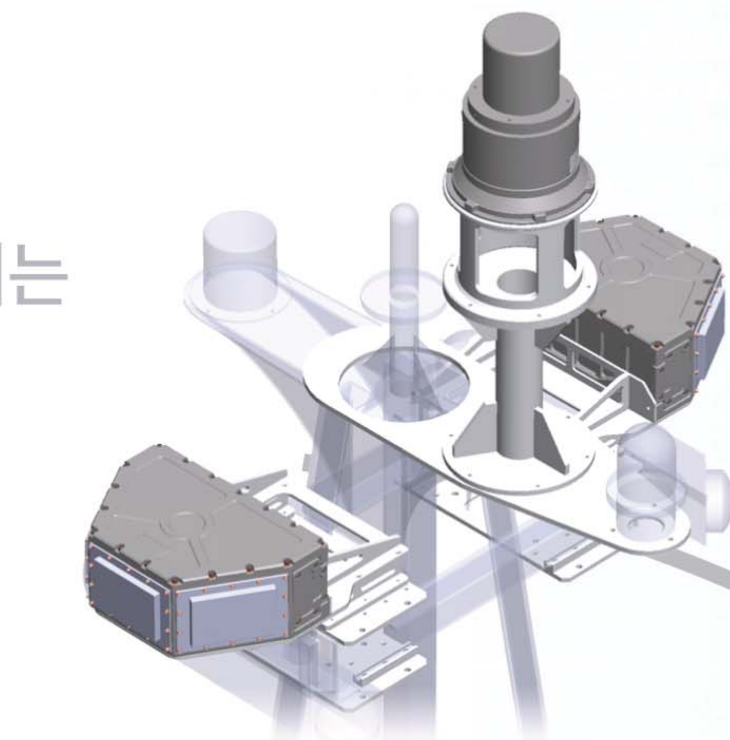


VICTEK (주)빅텍

ACES

에이씨스

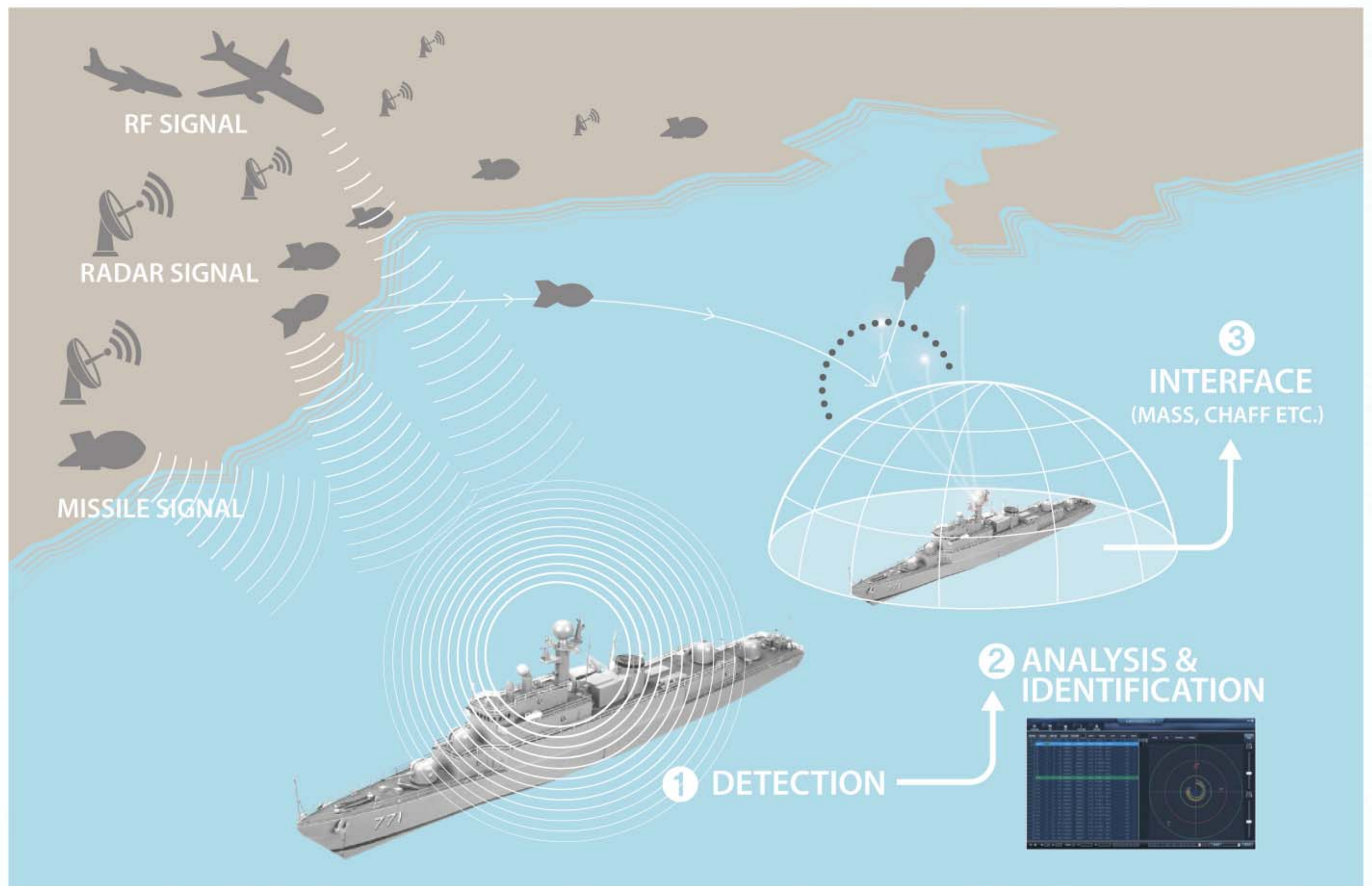
ACES는
순수 국내기술로 개발/생산되는
빅텍의 전자전장비 입니다.



ACES-I (SLQ-201K)

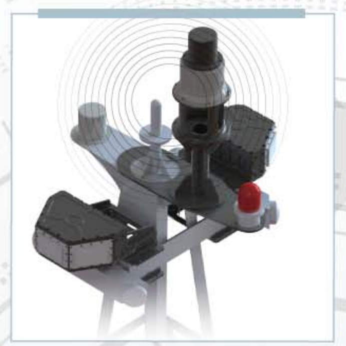
ACES-I은 함정용 소형전자전장비로
대함 유도무기, 레이더 등에서 방사되는
전자파를 실시간 **탐지/분석/실별/경보**하는
시스템 입니다.

운용개념



적 위협신호
ENEMY THREAT SIGNALS

1 신호수신
DETECTION



2 신호분석/ 식별/ 경고
ANALYSIS & IDENTIFICATION

3 타 체계 연동
INTERFACE

ACES
Advanced Concept Electronic Support Systems

1 RECEIVER UNIT

전방향 수신기 (Omni Receiver)

방탐 수신기 (DF Receiver)

2 SIGNAL PROCESSING UNIT

신호처리기 (Signal Processor)

3 OPERATIONAL CONTROL UNIT

운영제어기
(Operational Control Unit)

함정보 연동기
(Ship Interface Unit)

INTERFACE

CFCS, FCS

유도무기(130m)

RADAR

MASS

DAGAIE

Key Parameters

- 주파수 범위 : ○~○GHz
- 수신감도 : ○dBm
- 주파수 정확도 : ○MHz RMS
- 방탐 정확도 : ○RMS
- POI : 99% 이상
- 자체점검(BIT) : IBIT, RBIT, CBIT, SBIT
- 인터페이스 : Gyro, GPS, Radar, CFCS 대유도탄 기만체계 등.

Features

- 수신대역 : S/C/X/KU BAND
- 중·소형 함정 장착을 위한 소형/경량화
- 향상된 주파수/방향탐지 정확도
- 장비 운용/성능유지 및 업그레이드 용이
- 운용자 중심의 GUI 및 터치스크린
- 대 유도탄 기만체계 등 타 체계 연동
- 핵심모듈 국산화로 수출 용이