ABOUT US

Abramak Information Technologies Inc. plays a role in the development of national technology resources in **all kinds of wired / wireless voice and data communication** by utilizing its own among all elements in the **tactical and strategic** field. Abramak is on its own way to become a brend in the world that **leading the technology its devices and systems.**

Our systems and devices that we have developed completely nationally and locally;

- ACCMS: Advanced Communication Control And Management System.
- UTS: IP Multi-purpose User Terminal
- S-AMPS: Advance Message Processing System
- ABR-PAS: IP Public Alarm General Address System
- ABR-TSB: Ship Telephone System
- ABR-WIFCOM: Wireless Communication System

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abramak
INFORMATION TECHNOLOGIES

ACCMS
ADVANCED COMMUNICATION CONTROL AND MANAGEMENT SYSTEM

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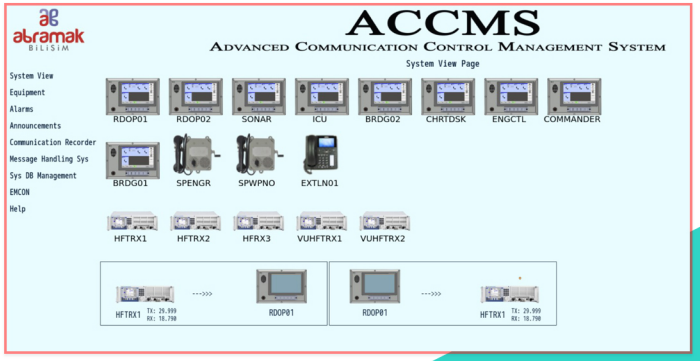
ACCMS

ADVANCE COMMUNICATION CONTROL AND MANAGEMENT SYSTEM

Abramak designs and develops a **sensitive and rapidly developing** technology such as communication by using its **own resources** in order to meet the needs of our **Armed Forces** elements **quickly and safely.** In this context, the Ship Integrated Communication System – **ACCMS** product has emerged.

ACCMS utilizes resources such as low facility and operating cost, **high efficiency, limited allocated frequencies** with maximum efficiency, while **increasing communication** possibilities by pushing **Shannon limits**; it will save communication requirements to the maximum extent from almost **all kinds of external dependency,** and automatically **solve complex communication problems. ACCMS** will reach **new horizons**, especially in the field of **military communications**.

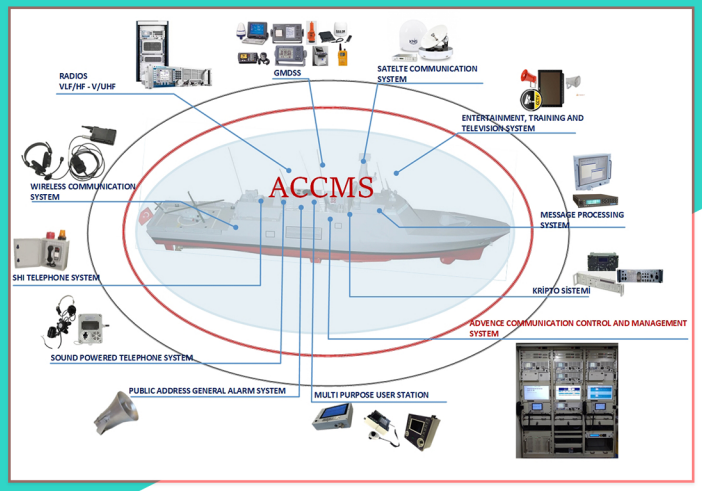
The existing systems operate in a **circuit switched structure** and cannot offer the facilities of **modern packet** switching networks. **ACCMS** adapts its **circuit switched communication system to a modern packet switched system using the existing circuit infrastructure and without the operational constraints**. Thus, an architecture conforming to the known **OSI network layer** model is provided.



SBA - Ship Bus Adaptor

It is an adapter device that enables devices that **do not support analog or TCP/IP** such as radio receiver, transmitter, modem, crypto device to be **integrated** into the ACCMS system;

- Suitable interfaces **for many radios and modems** have been developed and tested.
- Any type of radio, satellite communication system, modem, crypto system, or similar voice / data processing / transmission units connected via any connector can be adapted to be compatible with **ShipBUS protocols**.
- **Every system that can be integrated** as an external communication component via ShipBUS becomes available for ACCMS in integration with all **other systems.**



Capabilities

- **Software Based Architecture;** All tasks of the system are provided by the software. This facility provides hardware independence. The software produced by Abramak is completely National and does not depend on any external components (library, etc.).
- **Working completely IP-based, TCP/IP-based** network integration of **all communication** components is provided.
- **Infrastructure ready for network-centric capabilities (Network Centric Warfare)**
- **Advantage** of using Standard TCP/IP Protocols.
- **TCP/IP** compatible **expansion**
- Smooth **Integrated Logistics** Support;
- Ability to **use** the **existing infrastructure at full** capacity
- Adding **new components** to the system **without any problems.**

Benefits

- It will **reduce** the **installation** and integration **workload** for the **MAIN** contractor,
- **Optimizing** ship and fleet level communications **resources for the user,**
- The personnel will be able to **securely access all kinds of communication** opportunities on the job,
- By **using low-cost, multi-source** software that will run on **standard COTS hardware;** It will **provide cost-effective solutions** in terms of spare parts stock costs and sustainability,
- It regulates the parameters such as **for what purposes the radios will be used** (DATA, Voice), at which frequencies they will work, and applies them **automatically or at the request of the operator,**
- Equipment, frequency, power, modulation, etc., which will provide the best communication with the elements whose location and radio capabilities are known. It determines the parameters (prediction), automatically adjusts the radios when requested,
- In military communication systems, it will ensure that the existing infrastructure and limited resources such as allocated frequencies can be used more effectively and efficiently,
- It will ensure that limited communication resources are used for every possible service.