COMMAND AND CONTROL

C2

STM

STM Savunma Teknolojileri, Mühendislik ve Ticaret A.Ş.

STM was established in 1991 for the provision of project management, system engineering and consultancy services to the Defense Industry Agency (SSB) and the Turkish Armed Forces (TAF).

The SSB continues to be the majority shareholder in the company, which has a workforce of 850 people, 63 percent of whom are engineers.

STM is among the leading companies operating in the defense sector, and is engaged in projects, particularly in the fields of naval platforms, tactical mini UAV systems, cybersecurity and IT services, command and control projects, satellite technologies, military aviation, radar and electronic warfare, and procurement and consultancy services.

Aside from its involvement in many national projects being conducted by the Turkish defence sector, STM is also engaged in export and business development activities for NATO with operations in more than 30 countries.

In addition to acting as the main subcontractor in the MiLGEM Project for the development of Türkiye's first national corvette, STM is also carrying out the detailed design as the main contractor in the project for the construction of TCG İSTANBUL (F-515), Türkiye's first national frigate.

STM has undertaken important tasks in submarine modernization and construction projects for the Turkish Navy, and is also responsible for Türkiye's first submarine modernization export, taking the lead role in the Pakistan AGOSTA 90B project.

STM developed KARGU, Türkiye's first indigenous attack UAV System, and launched Türkiye's first Cyber Fusion Center in 2016.

Through the INTEL-FS2 Project, STM ensures the flow of intelligence between all NATO headquarters around the world, and is successfully engaged in one of Türkiye's largest software exports to the Organization.

STM diversifies its technology-based activities to meet the needs of the public and private sectors – in particular those related to the Turkish defense sector.

STM is headquartered in Ankara, the capital of Türkiye, and continues its operations out of nine facilities, located in İstanbul, Gölcük and Ankara, as well as Pakistan.

STM was for three consecutive years listed on the Defense News Top 100 list of the world's top 100 defense companies.

INFORMATION SYSTEMS INTEGRATION CORE

The Information Systems Integration Core Solution is a flexible, adaptable and robust integration core that provides interoperability between existing and future heterogeneous information systems. It significantly supports situational awareness throughout the battlefield within the mission network.
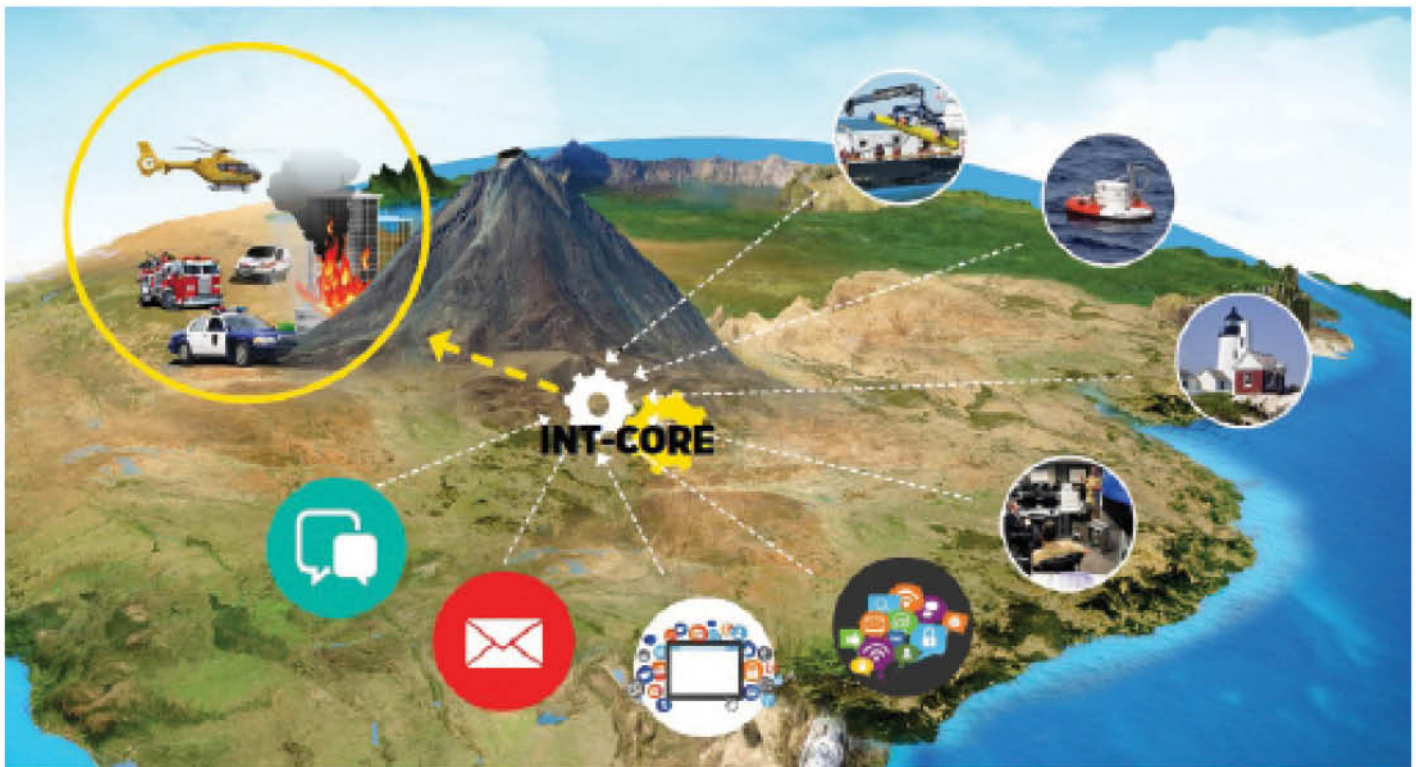
MAIN CAPABILITIES

- Integration Core Solution providing interoperability between existing and future heterogeneous systems
- Situational Awareness of the entire battlefield
- Accurate information provided to decision makers at the right time
- Command and Control Business Processes for the distribution of information related to Command and Control, joint images, battlefield, mission, etc.
- Modern software solutions designed and developed with Service Oriented Architecture (SOA) and Event Driven Architecture (EDA) approaches
- A simple, flexible, adaptable, and robust middleware that performs the following functions:
- Retrieval of different types of data in various formats using different protocols from numerous authoritative data sources
- Received data processing, including verification and conversion into desired formats for use by other systems on the network.
- Distribution of received data to a broad range of systems/resources in the desired formats and with the desired protocols.

A system that provides a dynamic interoperability environment in a variable battlefield environment, allowing the configuration of new and different data forms without the need for new coding, compilation or system testing, and without the need to change the Integration Core infrastructure

REFERENCE PROJECTS

- NATO Afghanistan Mission Network Integration Core (NATO AMN INT-CORE) developed for NATO ISAF sites
- NATO INT-CORE Operational Maintenance and Technical Assistance Project (5 years)

TANKOM-BUKAN

Tactical Field Command Control Information System

Tactical Field Command Control Information System TANKOM is an effective Tactical Level Command and Control Information System that provides uninterrupted command and control functions based on an authorization from a single tank, vehicle, and soldier to the battalion task force and the highest level of headquarters in accordance with armored combat operation.

TANKOM plays an important role in operating decision support mechanisms by increasing situational awareness through continuous, safe, and reliable data communication.

TANKOM enables fast customization for various platforms with new or existing capabilities and ensures interoperability capabilities by enabling open - architecture solutions.

TANKOM has been developed by our company for various land platforms including ALTAY; Turkish Main Battle Tank, Leopard - 1T, advanced armored personnel carriers, weapon carrier vehicles and command posts.

MAIN CAPABILITIES

- Mission/operation and deployment planning
- Mission execution, control and monitoring
- Mission rehearsal/after-action review
- Situational awareness
- Tracking of common tactical status information in near real-time on digital maps of friendly, enemy, neutral and unknown targets and elements
- Creating tactical images on digital maps of obstacles, tactical information and operational status information
- Arrangement for combat
- VMF messaging
- Distance card/fire plan
- Reporting and analysis
- Authorisation/guidance
- Symbology and tactical graphics
- Advanced human-machine interface
- Easy in-vehicle use

Uninterrupted Command and Control Capabilities at All Levels

TANKOM software is a tactical level Command and Control Information System Software that provides continuous authorisation-based command and control functions, ranging from a single tank/ vehicle/soldier to a Battalion Task Force up to the highest headquarters level, in accordance with Armored Unit Operations.

In active use aboard the ALTAY Turkish Main Battle Tank and Anti-Tank Vehicles. Integrated into Leopard 1-T Tanks and Enhanced Armored Personnel Carrier (EAPC) Vehicles under the TKKBS R&D Project.

End-to-End Uninterrupted Command and Control Solution

The BUKAN system is a tactical level command and control information system of hardware and software solutions for different operational uses and platforms, and that can be used in the battlefield by a single tank/vehicle/soldier or by higher ranking headquarters-based military personnel.

Adaptability to Various Land Vehicles and Interoperability with Other Command and Control Systems

The BUKAN system can be quickly adapted to different platforms, especially tracked and wheeled combat vehicles, with existing or new capabilities, providing a collaborative working environment.

Situational Awareness on the Battlefield

The BUKAN system can be used as an effective means by which the needs of both the TAF and friendly and brotherly countries can be met regarding situational awareness by enabling the use of our TANKOM software product, which can be quickly tailored to user needs and land platforms, in various military hardware solutions.

STMDENGİZ-ECDIS

STMDENGİZ-ECDIS is an electronic chart display and information system that has been developed for surface and underwater platforms. When used with a backup, it eliminates the need for paper charts and provides safe navigation based on the information it receives from the electronic navigation devices on the bridge.

STMDENGİZ-ECDIS operates in full compliance with the performance standards prescribed by IMO and SOLAS, thus ensuring operational safety and reliability.

Its compact structure and shape allows easy installation aboard ships and submarines, as well as private yachts.

Developed by STM engineers, STMDENGİZ-ECDIS is the first product to be produced with domestic and user-friendly software and to be accredited with a MED certificate in Turkey.

STMDENGİZ ECDIS

GENERAL FEATURES

- Next generation, high precision touch screen technology that requires no keyboard
- Route Planning and safe navigation control
- User-friendly software and interfaces
- Wide screen options for each product group
- Windows-based operating system (Embedded Enterprise for Windows® 10 LOT)
- Wide map support (ENC ARCS AVCS Jeppesen Ed.3 Professional/Professional+)
- Optional marine-type, trackball keyboard with QWERTY layout
- Optional accessories with EN60945 certificates

The STMDENGİZ E Series is equipped with a new generation Intel® Apollo processor, and has been developed for those looking seeking an all-in-one multifunctional economical solution with multi-processor functions, high resolution display technology, fanless design and low energy consumption.

STMDENGİZ X Series has a wide range of uses with its high processing power, high resolution and screen size options, suitable for those looking for optimum performance.

STM SAVUNMA TEKNOLOJİLERİ MÜHENDİSLİK VE TİCARET A.Ş.

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