

aselsan

Fire Control Systems



aselsan 40 *Years*

ARTILLERY FIRE CONTROL SYSTEMS

ASELSAN Fire Control Systems developed for Self Propelled/Towed Howitzers, Mortars and Multiple Launch Rocket Systems combine fire direction, fire control and communication systems, which provide the capability for rapid deployment, relocation, accurate gun laying and integration into the fire

direction centers and mission related fire support and maneuvering elements.

ASELSAN Fire Control Systems provide full spectrum autonomous artillery systems for indirect fire support. Systems meet all requirements of modern artillery systems which improve the battlefield effectiveness of the artillery weapons.

Provided capabilities

- Fire Support Planning
- Target Management
- Tactical Situational Awareness
- Fire Support Execution
- Technical Fire Direction
- Munitions Effects Analysis
- Support Management
- Integration to C4I Systems
- Digital Communications
- Digital Map Functions
- Reporting



SELF PROPELLED HOWITZER FIRE CONTROL SYSTEM

Self Propelled Howitzer Fire Control System is completely autonomous which provides the howitzers the capability for rapid positioning, deployment, accurate and fast ballistic computation, precise gun laying and integration to the modern artillery command and control systems.

Technical Specifications

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- Fire planning and fire mission execution in digital environment
- Rapid deployment and relocation
- Fast & accurate ballistic calculation
- Execution of all artillery missions including time on target, fire for effect, adjustment fire, registration fire and direct fire
- Computation of firing commands using "NATO Armaments Ballistic Kernel (NABK)"
- Remote Weapon Station Integration
- Continuous location and gun heading measurement
- Muzzle velocity measurement and management
- Automated and precise gun laying
- Data communications with Fire Support C4I Systems via Digital Radios
- Display of battlefield information on a digital map
- Mission oriented, menu driven graphical user interface

System Units

- Fire Control Computer
- Gunner's Display Unit
- Assistant Gunner's Display Unit
- Driver's Display Unit
- Inertial Navigation System
- Muzzle Velocity Radar
- Power Control System
- Auxiliary Battery Unit
- Control and Alarm Unit
- Digital Radio



TOWED HOWITZER FIRE CONTROL SYSTEM

Towed Howitzer Fire Control System provides the fire direction and fire control solution for various types of towed howitzers with the digital integration capability to the other fire support systems.

Technical Specifications

- Fire planning and fire mission execution in digital environment
- Continuous location and gun heading measurement by means of Inertial Navigation System
- Target positioning with Laser Range Finder and Thermal Sight System for direct fire
- Muzzle Velocity Measurement using information from Muzzle Velocity Radar
- Fast & accurate ballistic calculation
- Computation of firing commands using "NATO Armaments Ballistic Kernel (NABK)", Artillery Firing Tables, or specific ballistic software
- Display of fire command prepared by ballistic calculation
- Display of gun laying information graphically
- Automated and precise gun laying
- Data communications with Fire Support C4I Systems via Digital Radios
- Display of battlefield information on a digital map
- Mission oriented, menu driven graphical user interface

System Units

- Fire Control Computer
- Control & Display Unit
- Gunner's Display Unit
- Inertial Navigation System
- Muzzle Velocity Radar
- Thermal Sight System
- Laser Range Finder
- Optical Gunner Sight
- Power System
- Digital Radio
- Servo Motor and Driver Unit



MORTAR FIRE CONTROL SYSTEM

Mortar Fire Control System is designed to increase the fire power and first round hit capability of mortars. System provides the mortars capability to calculate the firing data accurately and lay the mortars precisely.

Technical Specifications

- Rapid deployment and relocation
- Fast & accurate ballistic calculation
- Automated and precise gun laying
- Data communications with Fire Support C4I Systems via Digital Radios
- Mission oriented, menu driven graphical user interface
- Display of battlefield information on a digital map
- Calculation and display on digital map of trajectory
- Precise ballistic calculation using "NATO Armaments Ballistic Kernel (NABK)" of firing tables

System Units

- Fire Control Computer
- Inertial Navigation System
- Muzzle Velocity Radar
- Driver's Display Unit
- Power Control System
- Auxiliary Battery Unit
- Servo Motors and Driver Unit
- Digital Radio



MULTIPLE LAUNCH ROCKET FIRE CONTROL SYSTEM

Multiple Launch Rocket Fire Control System provides computer-aided deployment, fire preparation, fire direction and fire control for the multiple launch rocket systems (MLRS) and digital integration to other fire support systems.

Mission Planning, control of other subsystems and firing of rockets are fulfilled by the ASELSAN Multiple Launch Rocket Fire Control System.

Technical Specifications

- Fire planning and fire mission execution in digital environment
- Continuous location and gun heading measurement by means of Inertial Navigation System
- Rapid deployment and relocation
- Fast & accurate ballistic calculation
- Automated and precise launcher laying
- Selective firing of the rockets
- Data communication with Fire Support C4I Systems via Digital Radios
- Integration with Artillery Meteorological Systems
- Display of battlefield information on a digital map
- Mission oriented, menu driven graphical user interface
- Automated leveling

System Units

- Fire Direction and Fire Control Computer
- Firing Unit
- Manual Launcher Control Unit
- Inertial Navigation System
- Leveling System
- Power System
- Digital Radio
- Servo Motors and Driver Unit
- Ground Meteorological System





ASELSAN A.Ş. is a Turkish Armed Forces Foundation company.

P: +90 (312) 592 10 00 **F:** +90 (312) 354 13 02
www.aselsan.com.tr | sstmarketing@aselsan.com.tr