



***KERAMETAL***

**LANSYS**

NETWORK INTEGRATED  
ARTILLERY FIRE CONTROL SYSTEM

# YOUR EYES ON THE BATTLEFIELD



## LANSYS FIRE CONTROL SYSTEM

The KERAMETAL LANSYS FCS is a unique universal system developed for the needs of artillery and provides the computing technology of 21<sup>st</sup> century for the rapid and accurate engagement of targets by any artillery. The system provides all nodes with up to date computers and technologies necessary to undertake their role. The intuitive operation and rapid data dissemination incorporated into the Integrated LANSYS Fire Control System makes guns more effective than ever before. The system is capable of operation with rifled or smoothbore, towed and self-propelled mortars, rocket launchers, towed and self propelled howitzers of any caliber.

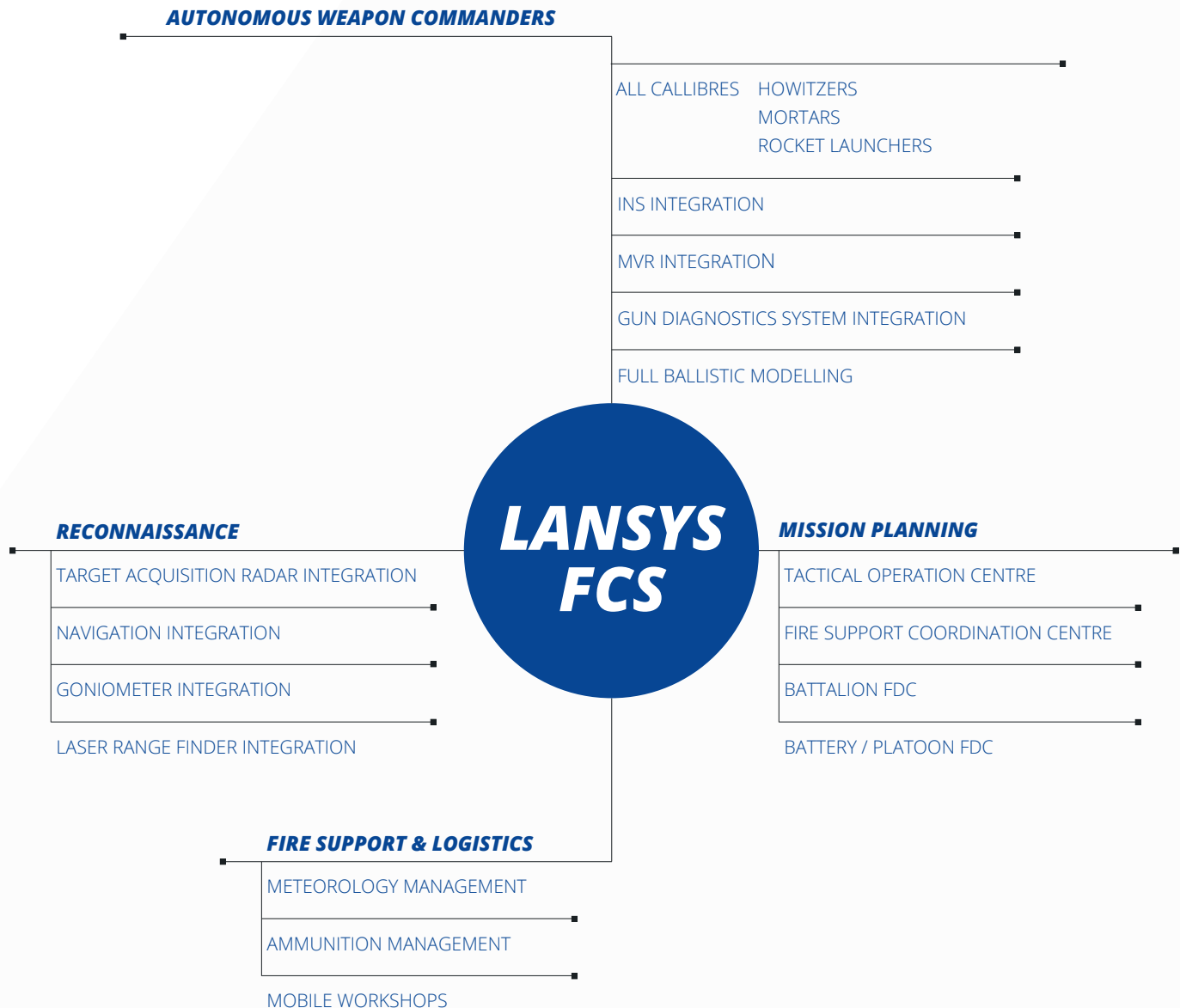


**KERAMETAL**

# LANSYS - PROVEN MODULAR SYSTEM

- » Comprehensive Fire Mission preparation
- » Control Multiple Weapon Types
- » Ammunition Management
- » Survey Calculation Options
- » Fire Planning Management
- » Rapid Data and Voice Dissemination
- » Manual Entry Backup on each LANSYS node
- » Easy Integration of customer HW sensors
- » Multi-mode Communication Integration
- » Easy Interface to Third Party C2I Systems
- » Optional integration of INS/GPS/MVR sensors
- » Charge Temperature, Meteorological and Muzzle Velocity Corrections available
- » Supports Variable Mapping Systems (UTM, MGRS, 10 Figure, Lat / Long, Regional))
- » Integrated Digital Mapping
- » AAR Advanced Stores / Data Synchronization
- » Position Management
- » Simultaneous Fire Missions
- » Multiple Language Options
- » FSCM & Safety Alerts
- » Data Logs for Training Analysis

## COMPLEX OF VARIABLE NETWORK COMPONENTS



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# ***THE RIGHT TARGETING IDEA***



## ***LANSYS MULTIPURPOSE BALLISTIC COMPUTER***

The KERAMETAL LANSYS MAR universal ballistic computer is ultra light portable ruggedized touch screen tablet used for quick and accurate preparation of firing missions or direct calculations of fire elements for any sensor, such as Mortar / Artillery / Rocket Launcher. The C2I software is an effective tool for monitoring, conducting, controlling and evaluation of live firing at various nodes of the commands - platoon / battery / battalion. Ballistic data are easily uploaded either manually by the operator or automatically from the upper command level e.g. Fire Direction Centres. The system calculates firing elements by tabular or ballistic kernel integration method. High mobility and a robust design make the MAR ideal for harsh environment applications such as military fleet management and heavy artillery sensors.

### ***GAIN THE ADVANTAGES***

- » ***EASY INTEGRATION WITH ARTILLERY WEAPONS, MORTAR AND ROCKET LAUNCHERS***
- » ***FULLY CUSTOMISABLE SYSTEM (MAP SYSTEM, WEATHER PROTOCOLS, MESSAGES FORMAT)***
- » ***EXTREMELY REDUCED TIME TO FIRE & EASY FIRE TASK PREPARATION***



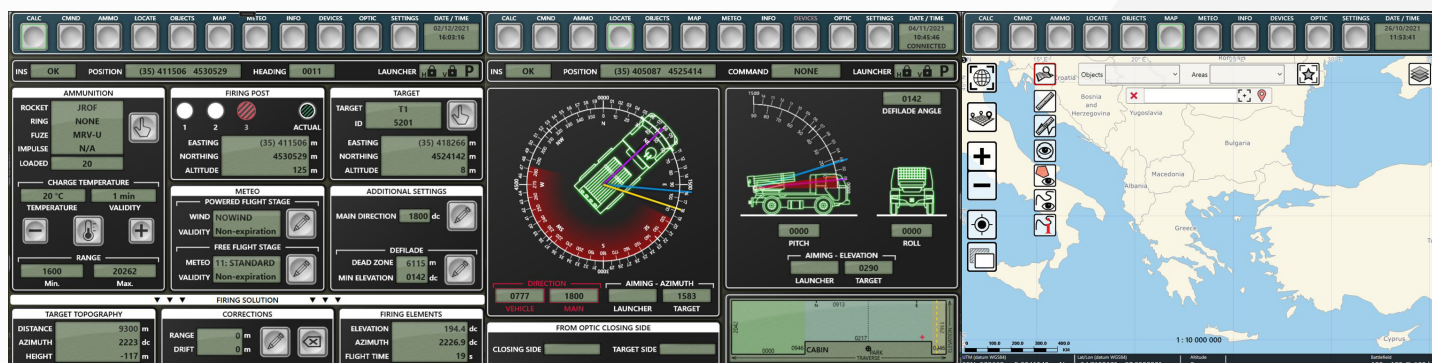
## SOLUTION FOR EVERY CRITICAL SITUATION

- » Customized voice and data communication in P2P mode. MIL-STD-188-220C standard
  - » Map and terrain data (altitude) evaluation
  - » Weapon data coordinates displaying on digital map
  - » Creating geodetic objects: posts, targets, distributing these objects into the radio network.
  - » Automatic terrain elevation data, terrain profile and trajectory data.
  - » Setup of weather conditions, ammunition temperature, defilade options
  - » Calculate Fire elements
- 
- » Mission oriented system with full storage / archivation in mission files
    - Geodetic objects
    - Fire Conditions
    - Organization mode
    - Terrain and map data.



## IDEAL TRAINING TOOL

- » Substantially reduced training time for gun commander
- » The gun commander can be effectively trained to exercise and control firing missions
- » The exercises can be performed without ammunition consumption
- » Gun Commander gains the skills and routine necessary for performance of successful shooting



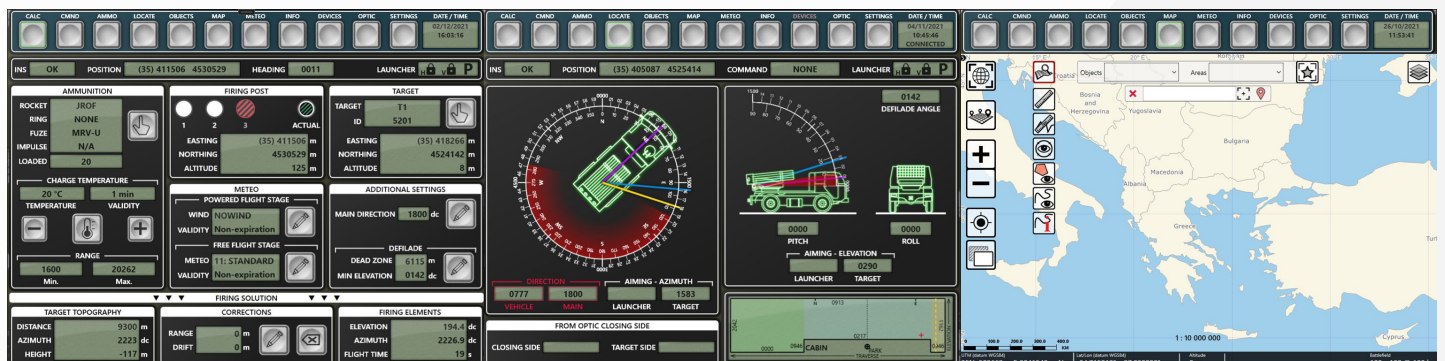


## LANSYS WEAPON FIRE CONTROL SYSTEM

- » Full topographical support with digital maps and terrain data
- » Firing position exact coordinates and Target acquisition data
- » Full Fire Mission Control and fire task preparation with fire elements calculation
- » Ammunition management preparations, weapon commander logistics automatically archived and distributed to the higher levels of commands
- » Voice & data communication with upper levels of commands
- » Automatic monitoring and registration of fired rounds and gun service parameters for optimum set up of Life Time system maintenance
- » Automatic Review system: After action, Operational

## LANSYS FORWARD OBSERVER FIRE CONTROL SYSTEM

- » Full topographical support with digital maps and terrain data with terrain analysis tools
- » Automatic data/voice radio communication with each LANSYS commanding node
- » Automatic measurement of target coordinates
- » Full parameterized Target setup and automatic target numbering
- » Cooperation with LANSYS battalion system: assign and call up system
- » Fire adjusting
- » Fire control



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