



# Solutions for MBT and Armored Vehicles Fire Control Systems

An integral offer of products and capabilities to translate user needs into reliable solutions for new vehicles or upgrades.

Integral fire control solutions with comprehensive product support.

Indra provides a comprehensive range of equipment and support for Fire Control Systems (FCS) and Sights for Armored Vehicles and Main Battle Tanks. Indra combines 40 years of expertise in electrooptics to integrate thermal imaging and laser into the latest generation tank fire control systems and panoramic sights.

The Indra FCS product line is fully qualified to service customer needs in surveillance, sighting, aiming, ranging, ballistic Computing and driving both for new vehicles or for upgrades.

#### Focus on fire control.

Indra's capability to translate mission needs into an integrated system comes from its long term experience in analyzing requirements both with end users and vehicle manufacturers and from the mastery of systems engineering and integration.

#### Adaptability

Indra's expertise includes all sort of vehicle and tank platforms including:

- Tracked Fighting Vehicles.
- Wheeled Personnel Carriers.
- Wheeled Scout Vehicles.
- Main Battle Tanks.

Among the comprehensive range of technology owned by Indra, we include:

- Digital computing and image processing.
- Infrared and day optics.
- Laser Technology.
- Precision mechanics.
- Stabilization.
- Systems engineering.

Covering the full range of solutions for surveillance, sighting, ranging, aiming, fire control, battlefield management, target identification, countermeasures and driving



### MK-10 Fire Control System on Pizarro IFV

- High performance, Compact periscope.
- Line of sight driven by gun with electric superelevation and lead angles.
- Integrated Gunner's Primary Sight superb stability of line of sight.
- Intuitive gun aiming.
- Operation by Gunner and Commander.



### Amazon on AMX-13

- Compact and affordable FCS system.
- Mounted Directly on gun mantlet no modifications to tank.
- Extremely flexible: field of view and magnifications are customizable.
- Last generation digital design.
- Suitable for up 105 mm, 30 mm, guns 12.7 mm machine gun and other calibers.

### Equipment

Drive, detect a threat, identify, acquire, aim, fire, day or night, under adverse visibility, standing or moving:

- Computing devices and ballistic sensors.
- Aiming sights, mechanically or electrically linked to the weapon, or independently stabilized.
- Day, night or thermal imagers.
- Laser rangefinders.
- Observation and surveillance sights.
- Night driving periscopes.



### MT-01 Fire Control System on T-72

- High performance, Director Type, FCS.
- Integrated Gunner's Primary Sight superb stability of line of sight.
- Fully Automatic gun aiming.
- Operation by Gunner and Commander.
- Independently Stabilized Line Of Sight, FCS.



### TIFCS-3BU Fire Control System on T-54

- One-to-One replacement of Gunner's TPN Sight, including mechanical emergency mode in the event of power failure.
- The original TDP-K remains as a reserve system.
- Improvement of gun servo accuracy for faster coincidence.
- Fully automatic gun aiming.
- Independent Line of Sight Stabilization.
- Operation by Gunner and Commander.

### Applications

- Main battle tanks.
  - Light Tanks
  - Infantry fighting vehicles.
  - Light armored vehicles.
  - Armored personnel carriers.
  - Scout and surveillance vehicles.
- Whenever sighting and surveillance is a must or a weapon has to be controlled and aimed automatically, quickly, accurately.



## Timeline. A Long lasting Expertise

