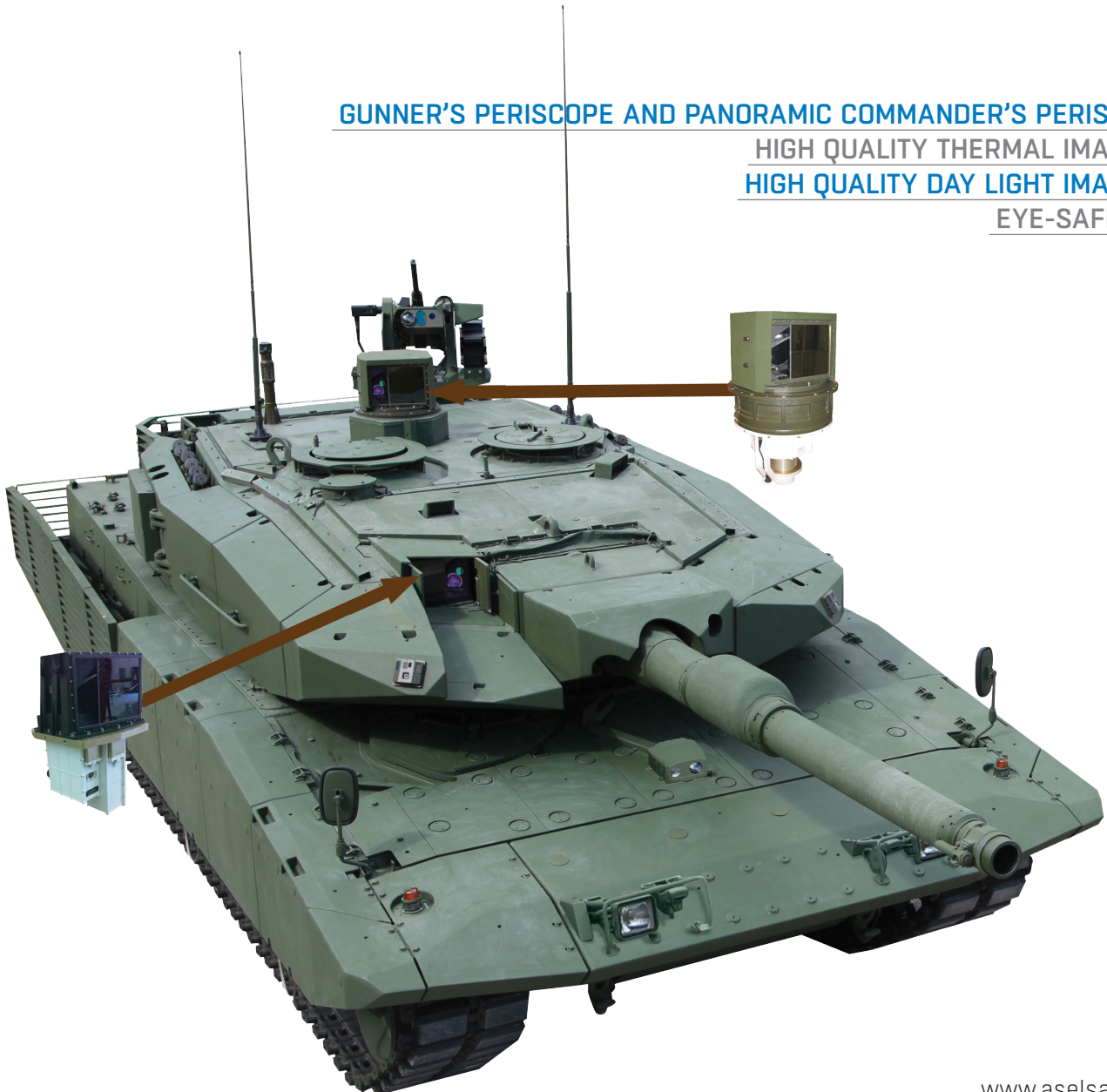
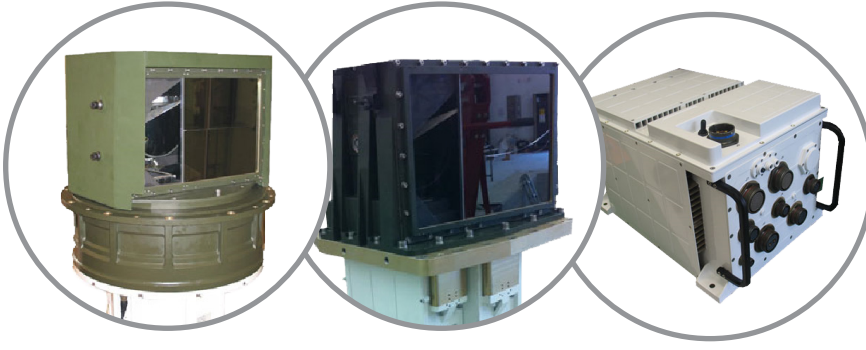


# TASK

## NEW GENERATION FIRE CONTROL SYSTEM

GUNNER'S PERISCOPE AND PANORAMIC COMMANDER'S PERISCOPE  
HIGH QUALITY THERMAL IMAGERY  
HIGH QUALITY DAY LIGHT IMAGERY  
EYE-SAFE LRF





# TAKS

## NEW GENERATION FIRE CONTROL SYSTEM

### Applications

- ALTAY MBT
- Leopard2A4 MBT

### Main Features

- High Performance within a small volume
- High quality thermal imagery
- High quality day light imagery
- Eye-safe LRF
- Wide and Narrow FOV for both cameras
- Includes both Gunner's Periscope and Panoramic Commander's Periscope
- Automatic Target Tracking
- Ballistics Computer/Processor Compatibility

### Environmental Conditions

- Operating Temp : -32°C / +50°C
- Storage Temp. : -45°C / +65°C

### Technical Specifications

Stabilized Mirror	-9°/+20° elevation
	50 µrad stabilization accuracy for two axis
	N x 360 degrees of rotation in Az. (Commander's Peri)
Thermal Sight Unit	Scanning LWIR Detector
	1690x576 pixel Video Resolution
	Cooled 8-12 um detector (configurable)
	Electronic Zoom
	Adjustable Brightness/Contrast/Focus
	Image Processing Algorithms
	Cooldown time less than 7 min
	FOV (Horizontal): 4° (Narrow) / 12° (Wide)
	Eye-safe Class-1 Laser
	Up to 10.000 m range
Daylight Camera	±5m accuracy
	Divergence : 1 mrad
	Reflection Selection
	Rep. Rate : 1 Hz
	CCD type detector
	FOV : 5° (Narrow) / 20° (Wide)
Direct View Optics (Gunner's Periscope)	Magnification 3x & 12x
	Automatic focus
Periscope Electronics Unit (Gunner's PEU + Commander's PEU)	FOV : 5° (Narrow) / 20° (Wide)
	Magnification 3x & 12x
	IR and TV Video Processing
	Automatic Target Tracking
	Sight stabilization
	Gun/turret Stabilization
	Ballistic Computations, Coincedence Algorithm
	Electronic zoom,
	Automatic Gyro Drift Compensation
	Symbology
Communication	
Inertial Navigation Unit	Power compatibility
	Accurate acceleration, speed and location info.
	Fiber optical gyroscopes
	High reliability
	GPS fooling and spoofing Proof Design
Sensors	Modular structure
	Gun position sensor
	Turret position sensor
	Meteorological sensor
	Inclinometer
User Interface	GPS/Glonass receiver.
	Multifunctional & simplified Control and Display
	Easy to use user interface
Communications	Fast communication interface
	RS422
	PAL & DVI Video Output

Specifications are subject to change without any notice. | All tolerances are within ±10%.

