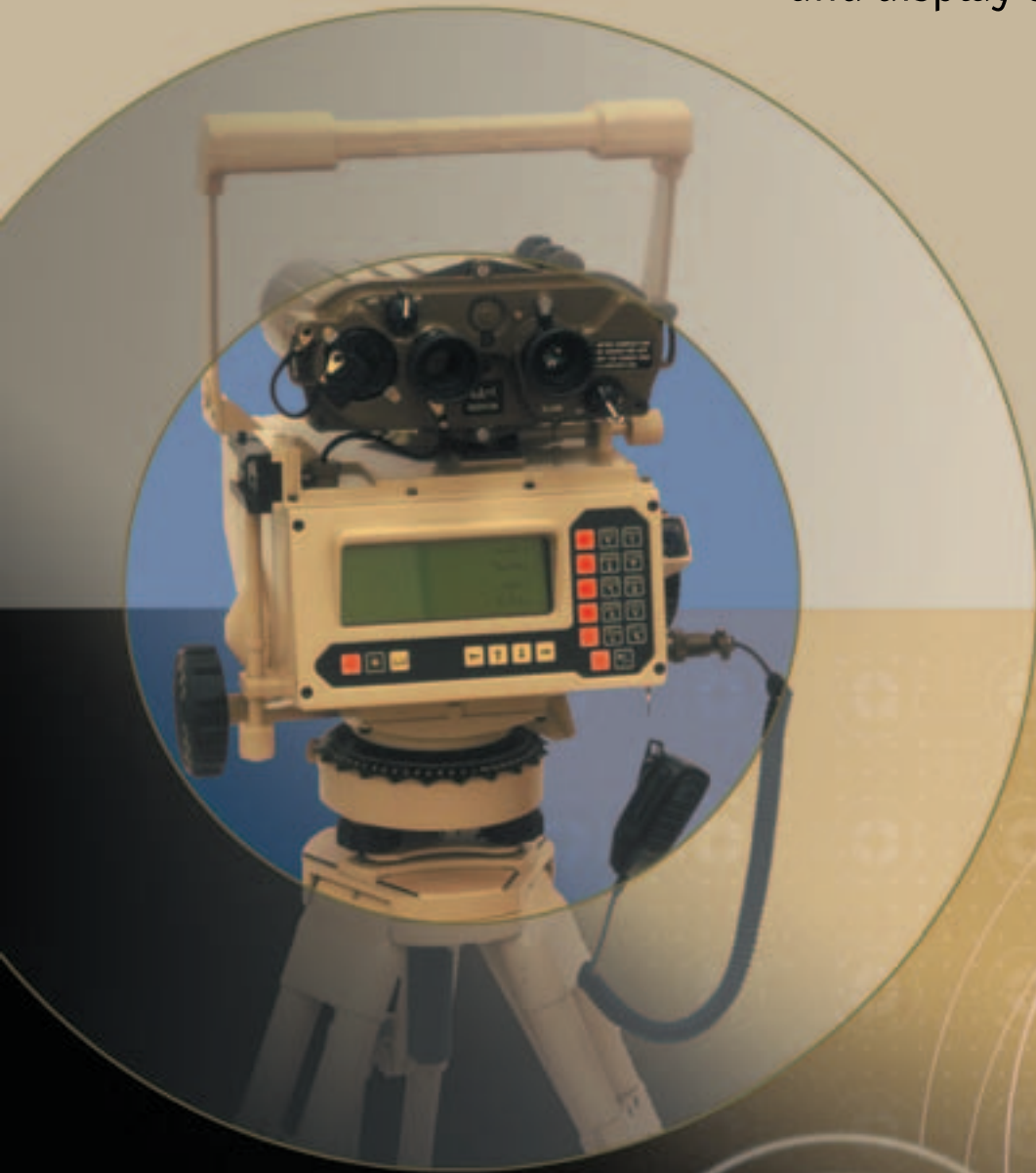


Platform for acquisition, processing, distribution  
and display of data in artillery units



Artillery Target Engagement System

**ARTES-1000**

**Fotona**

# ARTES-1000

New platform for acquisition, processing, distribution and display of data in artillery units

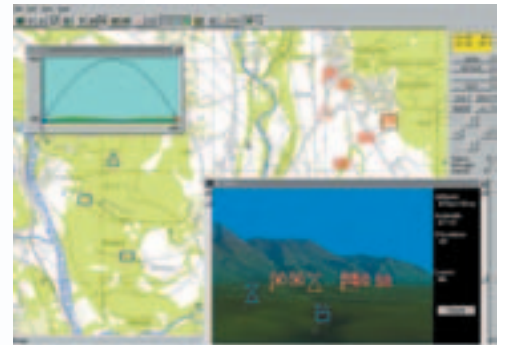
ARTES-1000 is a system for battlefield observation and for planning, executing and controlling artillery fire. Combined with the telecommunications equipment on the forward observer's post, it is used as an observation and data acquisition instrument, while at the gun position it is used as a device for calculating and displaying the elements of artillery fire.

## Configuration

ARTES-1000 supports activities on:

- Observation post;
- Command posts;
- Gun positions

Its main building blocks are observers' modules and display modules, connected together via radio or telephone links. GXM data visualization software allows display of acquired information on a military PC compatible computers.





## ARTES-1000



### Technical data

#### Electronic goniometer EMK-5

Azimuth	0–360°
Elevation	± 27°
Accuracy	
- absolute	1.0 mil
- relative	0.3 mil
Electronic leveling	± 5.6°

#### Electronic compass

Accuracy	0.5° RMS
Max. tilt	10°

#### Laser rangefinder

Fotona RLD-E1 eye safe LRF	10 km
Fotona RLD-E2 eye safe LRF	20 km
Members of Fotona Metrix family of laser binoculars	6–20 km

(Note: EMK-5 goniometer can be modified to operate with rangefinders of various other producers)

#### GPS module

8-channel satellite receiver, built in the handle of EMK-5 goniometer

#### Communication

Data-over-voice modem  
Interface to thermal camera  
User interface: graphic LCD screen with keypad, multi-lingual support, includes English, Slovene, Arabic, etc.

#### Power supply

Rechargeable NiMH batteries	12 V
External power	12–18 V
Autonomy	4 hours of continuous operation at 20°C

#### Optional equipment

Thermal cameras, North seeking gyroscopes, laser designators, binoculars, etc.