



Innovations for the safety of the population



PCO S.A.'s mission

To fulfil needs and expectations of the customers by supplying on time modern, reliable and safe optoelectronic devices providing security.





The primary activities PCO S.A.

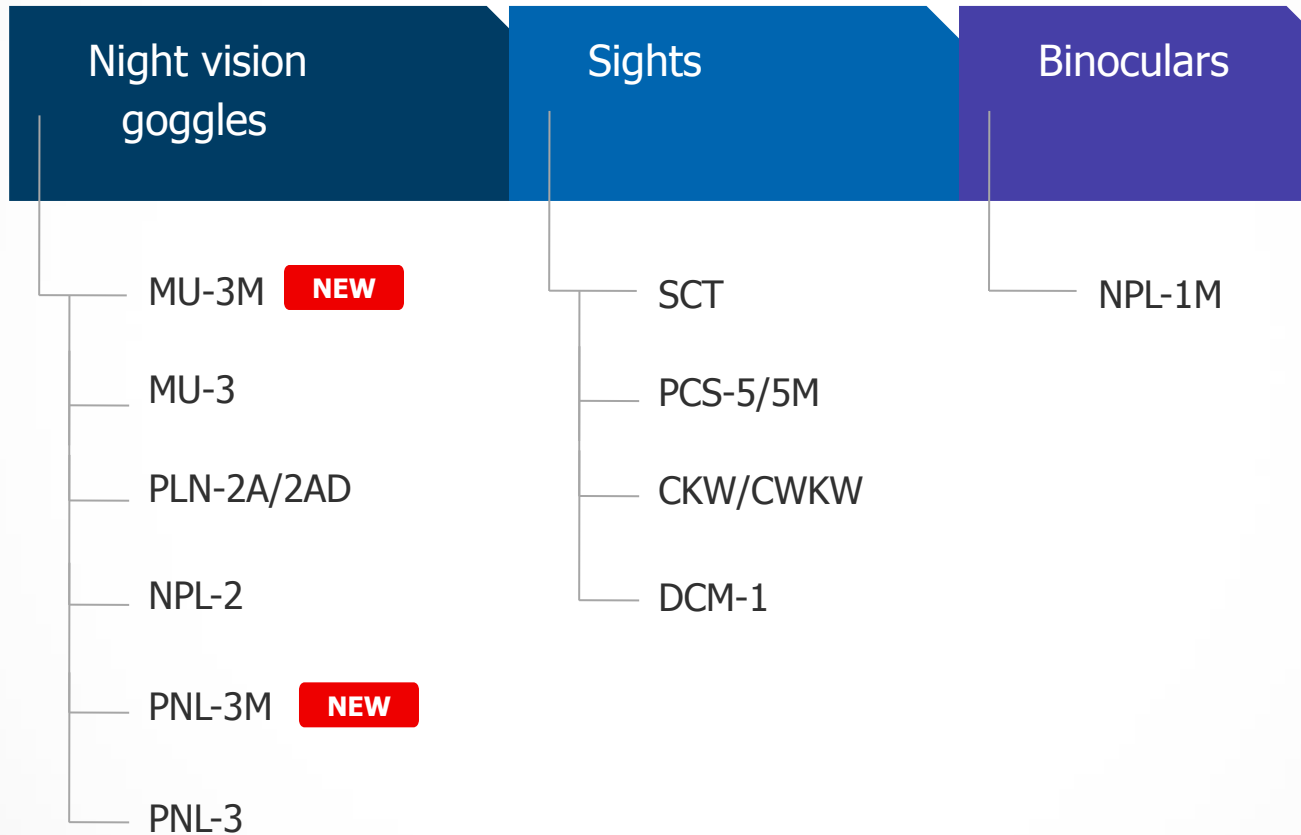
The primary activities of PCO S.A. consist in the production and sale of optoelectronic observation and aiming devices, employing laser, night vision and thermal vision technologies supplied to military and other uniform services.



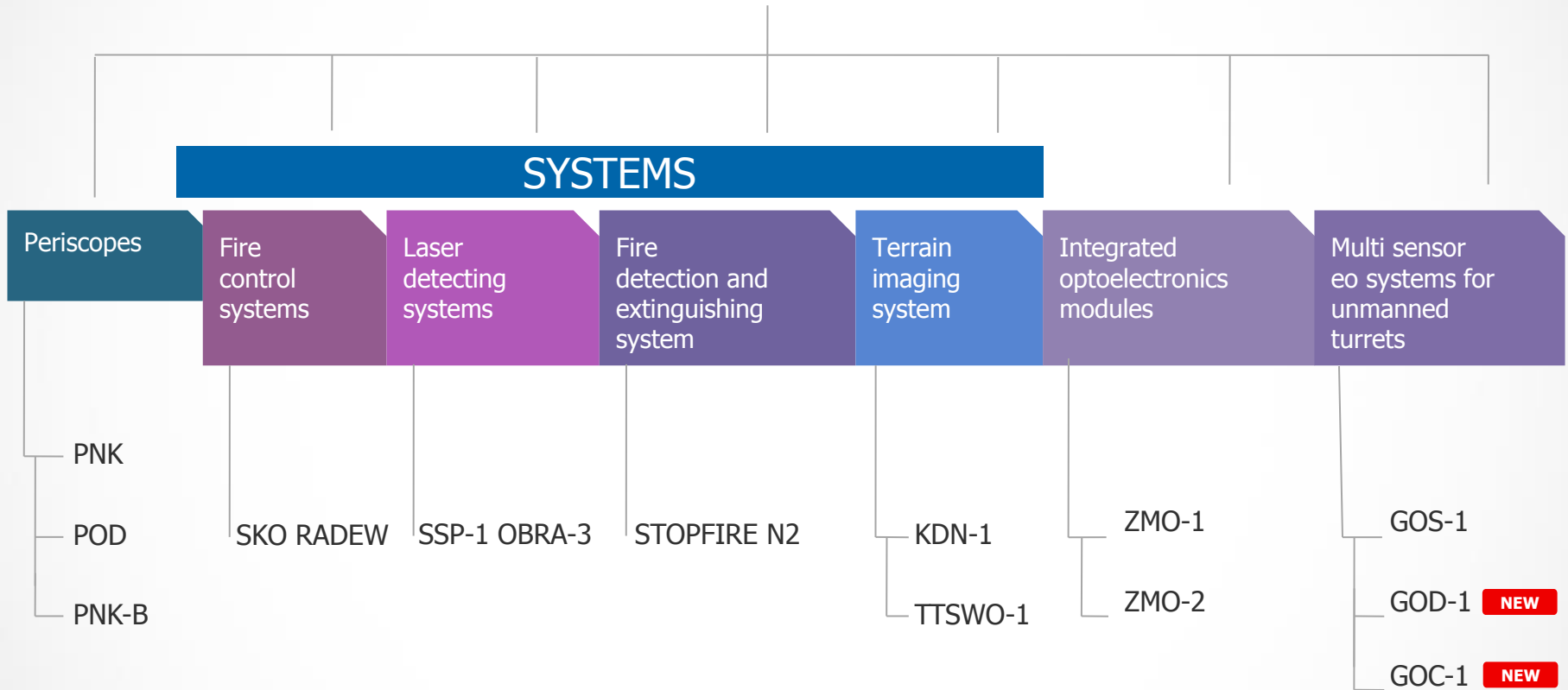
Company's offer

www.pcosa.com.pl

INDIVIDUAL EQUIPMENT



COMBAT VEHICLE EQUIPMENT





Night vision goggles

MU-3M

MU-3

PNL-2A/2AD

NPL-2

PNL-3M

PNL-3



MU-3M 'KOLIBER'

NEW

MINIATURE NIGHT VISION MONOCULAR

World's lightest night vision device

MU-3M weight without battery: 250g

Based on the 16 mm Intense new generation image intensifier tube with autogating system

Designed for observation by individual user at night

Latest night vision device

For fixing on any helmet type



Total length: 97mm

May be used with ClipIR – Thermal Imager Clip On, enabling observation in the image fusion mode of night vision and thermal vision



MU-3M 'KOLIBER'

NEW

MINIATURE NIGHT VISION MONOCULAR

Technical Specifications



Magnification	1x
FOV	40°
Focus adjustment	from 25 to do ∞
Diopter adjustment	min. from -6 to +2
Watertightness	min. 9m
Operating temperature range	from - 35°C to + 50°C
Battery life	20 hours for alkaline AA battery
Weight of the night vision device with a power supply unit	270 g
Weight of the night vision device with ClipIR Clip On	420 g
Power supply	1 alkaline AA battery 1.5 V or CR123 3.0V or lithium AA battery 3.6V or rechargeable battery AA 1.2V



PNL-3M 'ORLIK' NEW

MINIATURIZED AVIATOR'S NIGHT VISION GOGGLES

The latest night vision device

Designed for terrain observation and target acquisition during night flights by helicopter pilots and crew

Lightweight 840 g

New generation Intense 16 mm image intensifier tube with autogating system

May be perfectly fitted to head and sight of individual pilots

Ensures comfortable, stereoscopic observation enabling and retaining the feeling of natural shapes and sizes of observed objects and scenery



PNL-3M 'ORLIK' NEW

MINIATURIZED AVIATOR'S NIGHT VISION GOGGLES

Technical Specifications	Image intensifier	Intense with Autogating feature
	Magnification	1x
	FOV	40°
	Eye relief	23mm ± 1mm (from the last optical surface of the eyepiece)
	Dioptre adjustment of the goggles	+2 ÷ -6 dptr
	Focus adjustment	25 cm ÷ ∞
	Resolving power	≤ 3' 26"
	Eyepiece interaxial distance	60 ÷ 72 +0,5mm
	Power supply	on-board network 27V and 2x from 1.2V to 3.6V type AA
	Operating temperature range	-35°C ÷ +50°C
	Weight of a device ready for use	840 g



Sights

SCT
PCS-5/5M
CKW/CWKW
CMD-1



SCT 'RUBIN'

THERMAL VISION SIGHT

Designed for observation and shooting personal weapons regardless of lighting conditions and adverse weather conditions

Additional external helmet display enables observation and 'corner shooting'



Weight including batteries <1.3 kg

Energy saving function

Thermal vision picture is displayed in an built-in eyepiece

DISPLAY:
-resolution 800x600 pix,
-- dimensions 92x45x60 mm

SCT dimensions length/width/height: 300x85x110 mm



DCM-1 'SZAFIR' NEW

MODULAR DAY SIGHT



CMD-1

Lightweight

Ergonomic

Dimensions of combined sights:
134(length)x68.5(width)x85(height) mm

Designed for fixing
on various types of weapon

Consistent and durable structure
of constant quadruple magnification
with backlit aiming point



Consortium's offer

FUTURE SOLDIER
GIEWONT
SWPL

www.pcosa.com.pl



FUTURE SOLDIER

INDIVIDUAL COMBAT SYSTEM FOR FUTURE SOLDIER

UNIFORM SYSTEM:
combat uniform,
thermoactive garments
knee and elbow protection
biomedical sensors

C4I SYSTEM:
Radio, communicator, power unit,
sat-nav system, helmet-mounted
display, headset

SURVEILLANCE
AND DETECTION SYSTEMS:
sights, camera system,
night vision device, identification
and warning system

PROTECTION SYSTEM:
bulletproof vest
(different configurations)
modular helmet,
respirator

WEAPON SYSTEMS:
Rifle
rifle-grenade launcher
pistol, knife-bayonet
hand grenades
ammunition

CARRIER SYSTEM:
-integrated with protection
system: pouches, pockets
and bins





FUTURE SOLDIER

INDIVIDUAL COMBAT SYSTEM FOR FUTURE SOLDIER

Future Soldier Program has been developed by the consortium for science and industry consisting of defence industry companies and military institutes of science and research.

The role of the leader of the consortium is currently taken by PCO S.A. The main aim of the Future Soldier program is to equip a soldier to meet the requirements of the modern battlefield.

The Program is of great importance to Polish economy. Technologies developed increase safety, survivability and effectiveness of soldiers, but also enhance the safety of citizens.

INDIVIDUAL EQUIPMENT CONSISTS OF:

WEAPON SYSTEM

C4I SYSTEM

SURVELIANCE AND DETECTION SYSTEM

PROTECTION SYSTEM

UNIFORM AND CLOTHING SYSTEM

CARRIER SYSTEM





Innovation for the safety of the population

Thank for your attention.

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