



S.M.S. Ltd.
Supplier of Military Systems

COMPANY PROFILE





S.M.S. Ltd.
Supplier of Military Systems

- » **COMPANY ESTABLISHED IN 1991**
- » **HIGHLY QUALIFIED STAFF HAVING PROFESSIONAL EXPERIENCE IN FIELD OF MILITARY IMPORT / EXPORT**
- » **SUPPLIER OF MILITARY GOODS**
- » **PRODUCT / PROJECT ORIENTATED COMPANY**
- » **SYSTEM INTEGRATOR – SUPPLIER OF TAILORED SOLUTION WITH SUPPORT OF THIRD PARTIES**



S.M.S. Ltd.
Supplier of Military Systems

- » TRADITION OF MILITARY PRODUCTION IN FORMER CZECHOSLOVAKIA
- » NATO STANDARD PRODUCTS
- » AUTHORIZED TO DEAL WITH MILITARY MATERIAL BY THE MINISTRY OF ECONOMY SR.
- » STN EN ISO 9001, STN EN ISO 14001, AQAP 2110 CERTIFICATE
- » MEMBER OF SLOVAK DEFENCE ASSOCIATION
- » COOPERATION WITH FORMER WARSAW PACT COUNTRY SUPPLIERS AND NATO MANUFACTURERS

RANGE OF PRODUCTS



ARMY WEAPONS AND EQUIPMENT

SMALL ARMS & CLOSE COMBAT WEAPONS
ARMoured & ARTILLERY SYSTEMS
AMMUNITION
SIMULATORS
UPGRADING PROGRAMMES
TURN KEY PROJECTS
TRAINING OF THE STAFF
ENGINEER EQUIPMENT
ISO CONTAINERS



AIR DEFENCE

AIR TRAFFIC MANAGEMENT
RADARS
AIRCRAFTS & HELICOPTERS
SIMULATORS
UPGRADING PROGRAMMES



SUPPORT EQUIPMENT

GROUND SURVEILLANCE SYSTEMS
MOBILE FIELD HOSPITALS & TENTS
MILITARY CLOTHES
PARACHUTES
PERSONAL PROTECTION MEANS



NAVY

PATROL BOATS
COMBAT BOATS UPGRADE



CIVIL PROJECTS

AGRICULTURAL MACHINES
EMERGENCY VEHICLES
WATER TREATMENT PLANTS



ARMY WEAPONS AND EQUIPMENT

SMALL ARMS, CLOSE COMBAT WEAPONS and AMMUNITION

» MACHINE GUNS, SUB-MACHINE GUNS,
PISTOLS & ACCESSORIES, TELESCOPIC BATONS,
STUN BATONS, ELECTRIC STUNS, STUN GUNS



K-100 9 mm pistol of Slovak production



7,62x39 mm Sa-58 sub-machine gun
(similar to AK-47)



7,62x54 mm light machine gun



7,62x54 mm machine gun



ARMY WEAPONS AND EQUIPMENT

ARMOURED & ARTILLERY SYSTEMS

- » INFANTRY COMBAT VEHICLES, ARMOURED PERSONNEL CARRIERS, MAIN BATTLE TANKS, SELF-PROPELLED HOWITZERS, ANTI-AIRCRAFT



122 mm MODULAR rocket launcher



Armoured personnel carrier ALIGATOR



Armoured personnel carrier TATRAPAN



155 mm Self-propelled howitzer ZUZANA

Anti-aircraft self-propelled system BRAMS





ARMY WEAPONS AND EQUIPMENT

AMMUNITION

- » SMALL CALIBRE AMMUNITION – cal. 5,45;5,56;
7,62;12,7;14,5 mm
- » MIDDLE CALIBRE AMMUNITION – cal. 23;30 mm
- » LARGE CALIBRE AMMUNITION – cal. 100;122; 130;155 mm
- » MORTAR BOMBS
- » ARTILLERY ROCKETS
- » HAND GRENADES
- » AMMUNITION COMPONENTS



PG-15 grenade



Small calibre ammunition



30 mm ammunition



122 mm D-30 ammunition



ARMY WEAPONS AND EQUIPMENT

SIMULATORS

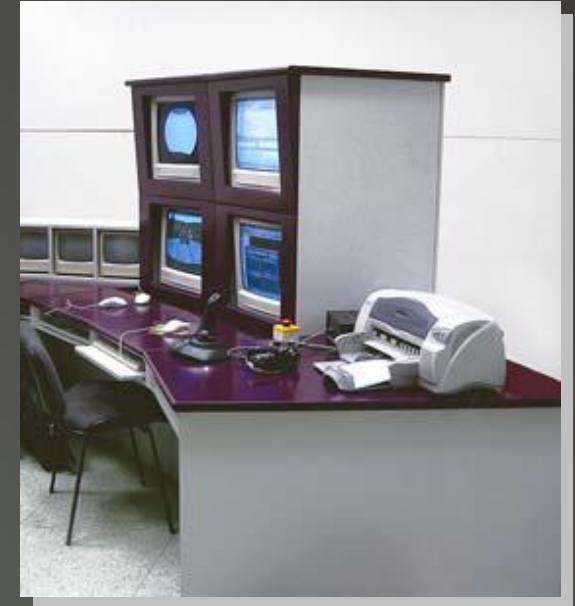
- » FULL MISSION SIMULATORS
- » DESK-TOP SIMULATORS
- » MULTIMEDIA TRAINING ROOMS

Program:

- T-55, T-72 tank
- BMP-2 IFV
- 155 artillery system



T-55 simulator



Instructor's operation station



Training classroom for crews



ARMY WEAPONS AND EQUIPMENT

ISO CONTAINERS

- » RESIDENTIAL
- » KITCHEN
- » SANITARY
- » STORAGE
- » COOLING
- » FOLDING TWO-WALL AND THREE-WALL
- » CONTAINER FOR GENERAL PRACTITIONER
- » WASTE WATER TANK
- » WATER TANK
- » DRINKING WATER TRANSPORT TANK
- » OTHER TYPES:
 - Office
 - Social – Psychological
 - Ecological
 - Pastoral
 - Briefing
 - Water treatment plant
 - Monitoring
 - Oil storage



High variability of container ISO 1C enables to offer various types of interior structure according to customer 's demands.



ARMY WEAPONS AND EQUIPMENT

UPGRADING PROGRAMMES PACKAGES FOR LAND FORCES

T-72 tank, T-55 tank, BMP-1 IFV, 152 mm gun howitzer

Features:

- » enhanced engine power,
- » increase of dynamic protection,
- » hydraulic shock absorbers,
- » increase of hit probability,
- » integration of command & control system
- » laser irradiation warning system,
- » self-protection by smoke grenades



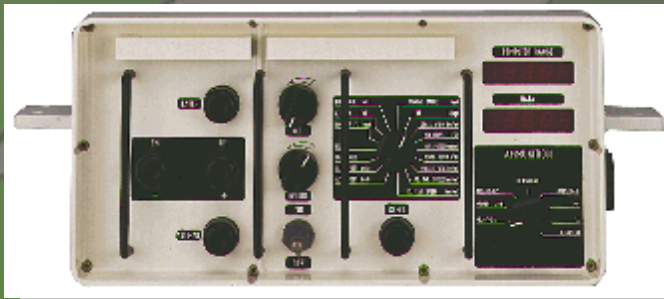
T-72 turret with dynamic protection



Smoke grenades



Laser irradiation warning system



Fire control computer with panel



AIR DEFENCE

AIR TRAFFIC MANAGEMENT PRODUCTS & RADARS

» ATC Turn Key Solutions

- ATC Operation systems, RDPS, FDPS, ADS / CPDLC Datalink
- ATC Simulator Training systems
- ATS Message systems (AFTN / AMHS)

» Approach / Tower Systems

» ATC Enroute Centers

» ATS Communication Centre

» ADS / CPDLC Datalink Systems

» Video / Voice/ Data recording and replay unit



ATM control panel



- » **Modular system suitable for installation in small to medium-sized ATC centers.**
- » **Architecture-based on COTS hardware and software components.**

AIR DEFENCE

AIR TRAFFIC MANAGEMENT PRODUCTS & RADARS

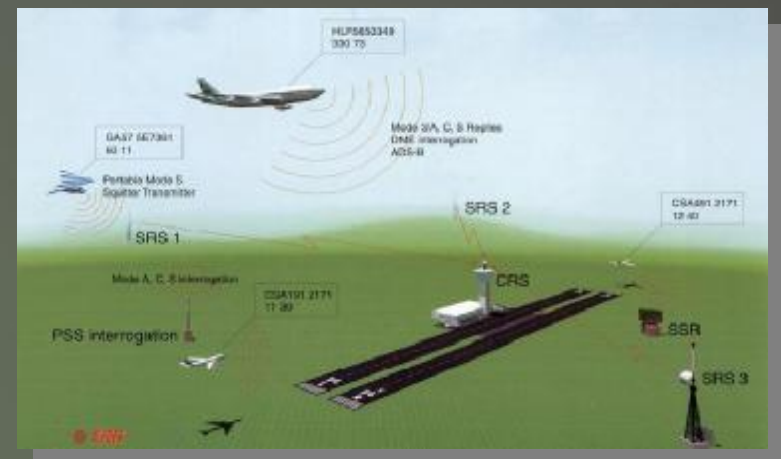
» **MLAT APP/Airport Surveillance System - MAAS** is designed for provision of, or improvement of flight safety within military/civil ATC in accordance with related international standards and procedures.

» **TWO KEY ELEMENTS:**

- Multilateration Surveillance Sensor – MSS
- MSS Data processing and Display system

» **MAIN BENEFITS:**

- Purchase costs effectiveness in comparison with acquisition of radar technology
- Performance parameters comparable to that of radars (high accuracy, high update rate, etc)
- Small dimensions and weight
- Low power consumption
- Unmanned operation
- High reliability and availability
- Low costs for installation, operation and maintenance
- Remote control/administration and maintenance



AIR DEFENCE

RADARS

» PAR – Precision Approach Radar

» PSR upgrades - digitalization

- transforms primary radar video outputs – from virtually any air surveillance radar – into high quality digital target reports or track messages suitable for integration into modern control centers
- PSR and SSR data correlation
- parameters improvement, service life extension

» Data extractors, digital scan converters, new display

- for analogue radars
- fully digital output of radar data

» Integration of IFF, SSR equipment



P-37 radar



3D radar ST-68 MSK



AIR DEFENCE

AIRCRAFTS, HELICOPTERS - OVERHAUL & UPGRADING

- » L-39 and its modifications
- » SU-22, SU-25 and its modifications
- » L-410 and its modifications
- » Mi-17, Mi-24 helicopter

UPGRADING PACKAGES:

Avionics improvement features:

L-39: ADC, FDR, UPCP, MFD, HUD, VTR

Mi-17: CU NAV, RALT, IFF SAR- DF



L-39 aircraft



HUD



Mi-17 upgrading elements

weather radar

EOP

searchlight





AIR DEFENCE

SIMULATORS

- » FULL MISSION SIMULATORS
- » DESK-TOP SIMULATORS
- » MULTIMEDIA TRAINING ROOMS

Program:

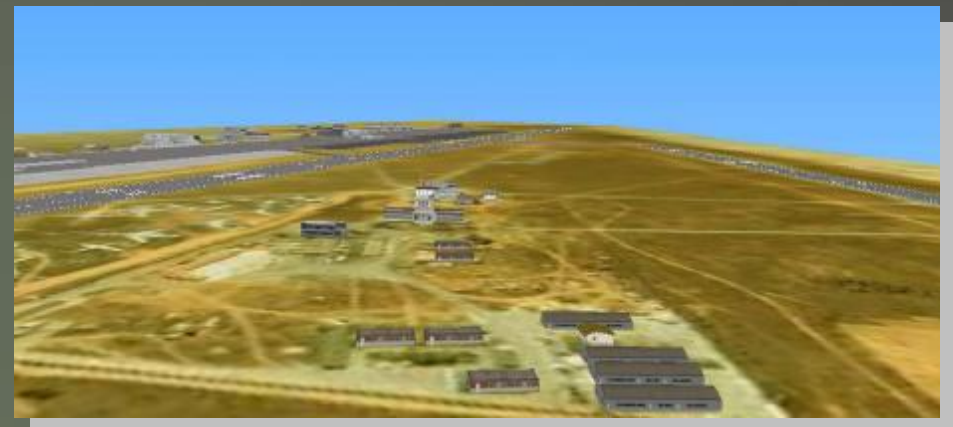
- L-39, IL-76, MiG-21, MiG-29, SU-25, CESNA aircrafts
- Mi-17, Mi-24 helicopter
- IGLA, STRELA-10 air defense missile
- ATC training systems



Enter into cockpit



View into the cockpit



Terrain data example



SUPPORT EQUIPMENT

GROUND SURVEILLANCE SYSTEMS

» SURVEILLANCE AND MONITORING RESOLUTION

- Thermal camera and CCDTV day camera
- IR module cooled /uncooled
- Laser range finder
- Control and display unit
- Radio communication system



Monitoring and surveillance system MS-04/A



»Modular technology suitable for installation in vehicle and stationary mode. Customized technical performance.
»Protection of airport, seacoast, borders, reconnaissance police unit, artillery observation unit.



SUPPORT EQUIPMENT

MOBILE FIELD HOSPITALS & TENTS



Mobile ambulance in
TATRAPAN armoured vehicle



Mobile hospital
on BRIOB vehicle



Rapid deployment system



SUPPORT EQUIPMENT

PARACHUTES

- » BRAKE PARACHUTES
- » PILOT EMERGENCY PARACHUTES
- » SPORT PARACHUTES
- » MILITARY PARACHUTES
- » ACCESSORIES



Brake parachute



Container for transport of goods



Military parachute for precise landing



Pilot emergency parachute



NAVY

FAST PATROL BOATS AND FISHERING PROTECTION

Representative of MOTORMARINE S.A., Greece

- » PATROL BOATS
- » INTERCEPTOR BOATS
- » RIGID INFLATABLE BOATS
- » SPECIAL SERVICE CRAFTS

Upgrade of marine boats:

- » Light / middle class boats
- » Remote control stabilized gun system
- » Various type gun mountings



Lynx 122 – interceptor boat



Guardian 53 – fast patrol boat



Magna Onda - ambulance boat



EOP

New / modified gun

 CIVIL PROGRAM

- » TRACTORS, AGRICULTURAL AND FOREST EQUIPMENT
- » BREWERIES
- » FOOD PROCESSING MACHINERY
- » METAL FORMING MACHINE, LIGHT ENGINEERING
- » WASTE WATER TREATMENT PLANTS
- » HYDRO POWER STATIONS



Water treatment plant in container



Band saw



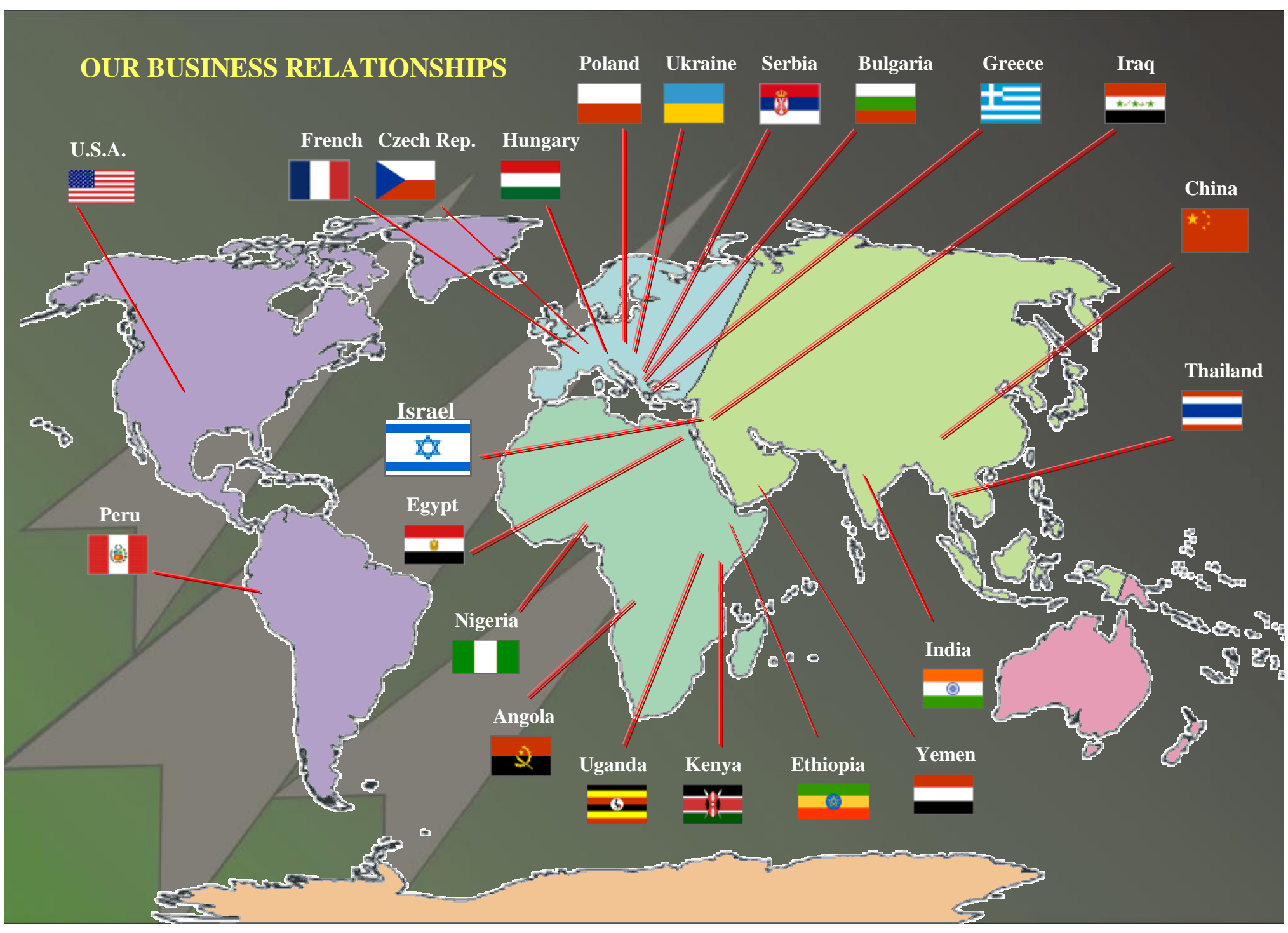
ZTS tractor range UR II



ADDITIONAL SUPPORT & SERVICES

- » **SPARE PARTS**
- » **TRAINING OF THE STAFF – practical & theoretical, in / abroad**
- » **UPGRADING**
- » **TECHNICAL ASSISTANCE**
- » **CONSULTANCY SERVICES**
- » **TECHNICAL DOCUMENTATION**
- » **PRODUCTION LINES & MACHINES FOR MANUFACTURE & REPAIR OF MILITARY PRODUCTS & DELABORATION AND LIQUIDATION OF AMMUNITION**

OUR BUSINESS RELATIONSHIPS



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