

MEDTEC-VOP, spol. s r. o.

Brněnská 700/25, 500 06 Hradec Králové

Tel.: +420 495 710 111, fax: +420 495 264 590, e-mail: info@medtec-vop.cz, <http://www.medtec-vop.cz>

MEDTEC-VOP, spol. s r.o., a renowned Czech manufacturer, has a tradition of over fifty years in developing, designing, and producing specialised military and civilian vehicles and equipment. We focus on rapid innovation, developing and producing new products, and integrating recognised concepts and the latest state-of-the-art technology to meet the changing requirements. We are the biggest producer of ambulances for the Czech Armed Forces.

Our development and production capabilities are flexible and customer-oriented. All production and service processes within the company are carried out in accordance with established quality management systems based on EN ISO 9001 and AQAP standards.

**Our core services:**

- Production of ambulances,
- Research and development (R&D) of defence products, solutions and technologies,
- Development and production of specialised mobile laboratories, workshops, and vehicles, as well as mobile photovoltaic and wind power stations,
- The special installations into military vehicles or containers and upgrades for existing systems
- Surface treatments and painting shop (e.g. phosphating, zinc plating, chromating, paint IAW STANAG 4360, Ed. 3 SPECIFICATION FOR PAINT SYSTEMS, RESISTANT TO CHEMICAL AGENTS AND DECONTAMINANTS, FOR THE PROTECTION OF LAND MILITARY EQUIPMENT)
- CNC-machining:
 - Precision machining of steel and stainless steel, ranging from a diameter of 20 mm to 250 mm, small and large production
 - Production and cutting of different stainless-steel sheets, incl. painting (galvanised, aluminium, etc.)
 - Production and precision machining of hydraulic components

Up to date, MEDTEC-VOP has solved more than 25 defence R&D projects mainly for the Czech Armed Forces and other governmental organisations, e.g.:

POMOP - Multidisciplinary field station	Development, production and testing of field hospital module for performing out-patient examinations, treatment and surgical procedures in ophthalmology, otorhinolaryngology, neurosurgery and microsurgery on the level of Role 3 (in a field hospital).
PTP - Field transfusion mobile unit	Development, production, and testing of the mobile workplace consist of deployable containers ISO 1C 1:3, which provide collection, storage, stocking, cryoconservation, and reconstitution of transfusion preparations.
PVP - Field veterinary mobile station	Development, production and testing. It supports veterinary personnel in supervision, essential examination of collected biological samples, food and raw material, specialised examinations and treatment of working dogs or wild animals and livestock.
The power supply of the radio station	A functional model for the power supply of the radio station. A modular power supply solution enables you to implement optimal variants for that use, including, where appropriate, including photovoltaic energy.
Registered utility model of the test chamber	A registered utility model is used to determine the level of CHEMTEK for the evaporation of volatile organic substances (liquids) into the atmosphere.
Database of military-civilian explosives and chemical substances usable as IED	Software database of military and civilian explosives and chemical substances usable as improvised explosives.
Functional model of log-periodic antenna	Functional model of log-periodic antenna for testing the performance characteristics of the connections over long distances.
Better protection of individuals against the traumatic effects of hazardous chemical substances	The system is focused on improving the protection of individuals against the traumatising effects of dangerous chemicals. The project brings a new system, contributing to increasing the combat activities of individuals.
Health risk evaluation of exposure to mixtures of chemicals in occupational air	Article in a scientific journal (Impact 0,431). Basic principle of IRSST module. The principle of additive effects and its influence on the human body.



The MEDTEC-VOP company cooperated as a subcontractor in defence R&D projects and was awarded regular contracts from the Czech Armed Forces and other governmental organisations or companies, e.g.:

Prototype LZTOP-B	The development of a light medical terrain evacuation vehicle resulted in the prototype LZTOP-B armoured - protected at level 1 per STANAG 4569, for evacuating wounded patients under medical supervision while moving to MTF.
Prototype LZTOP-L	The development of a light medical terrain evacuation vehicle, LZTOP, resulted in a prototype for evacuating patients and wounded, under medical supervision while moving to MTF.
Prototype RZ-12	UKV Mobile radio direction finder for 1 st and 2 nd air bands for searching, monitoring, registration and direction finding of radio traffic from 100 to 1300 MHz.
Prototype BODVA	The prototype of a mobile radio-relay workroom (BODVA) to replace obsolete high-power short-wave radio workplaces.
Prototype of mobile VHF jammer	Automated, remote-controlled jammer working in VHF band (30 to 108 MHz) against VHF radio communication devices at the tactical level.

The special military and civil installations	
Special LOV Med Iveco	Light armoured vehicle for evacuating wounded patients under medical supervision.
MRRP 4p	Operational tactical communication system. The field transit nodes are for supporting sites at the brigade level (brigade task force level) or provide direct radio relay communication among individual command posts.
MPP100	The operational, tactical communication system workplace is primarily for the command post of a mechanised brigade (brigade task force).
S LOV CBRN	Light armoured vehicle for chemical, biological, radiological and nuclear reconnaissance.
KOT-Zdr Pandur 8x8	Wheeled armoured vehicle – the specialised medical installations.
Decontamination kits	Decontamination kits for the State Material Reserves Administration (SSHR), operated by the Fire Rescue Service of the Czech Republic.
Mobile laboratories and chambers	Mobile laboratories and transport overpressure chambers to transport dangerous findings for the State Material Reserves Administration, operated by the Fire Rescue Service of the Czech Republic.
ADM-1, ADM-2	Analytical decontamination modules 1 and 2 for the State Institute for Nuclear, Chemical, and Biological Protection (SÚJCHBO).
MTAK	Small Transportable Analytical Module - CBRN Mobile Laboratory for the State Institute for Nuclear, Chemical, and Biological Protection.
MOVEL	Mobile command post for the State Institute for Nuclear, Chemical, and Biological Protection.



Contacts:

Mr. Tomas Borsky – Deputy Director, Company Co-owner

E-mail: t.borsky@medtec-vop.cz

Phone: +420 495 710 449

Mobile: +420 603 433 121

Mr. Daniel Petrilak – Deputy for Foreign Research and Development Projects

E-mail: daniel.petrilak@defconsult.cz

Mobile: +420 724 605 271