

**Annual Summary of LEPL State Military
Scientific-Technical Center “DELTA”**



DELTA

2018

Tbilisi

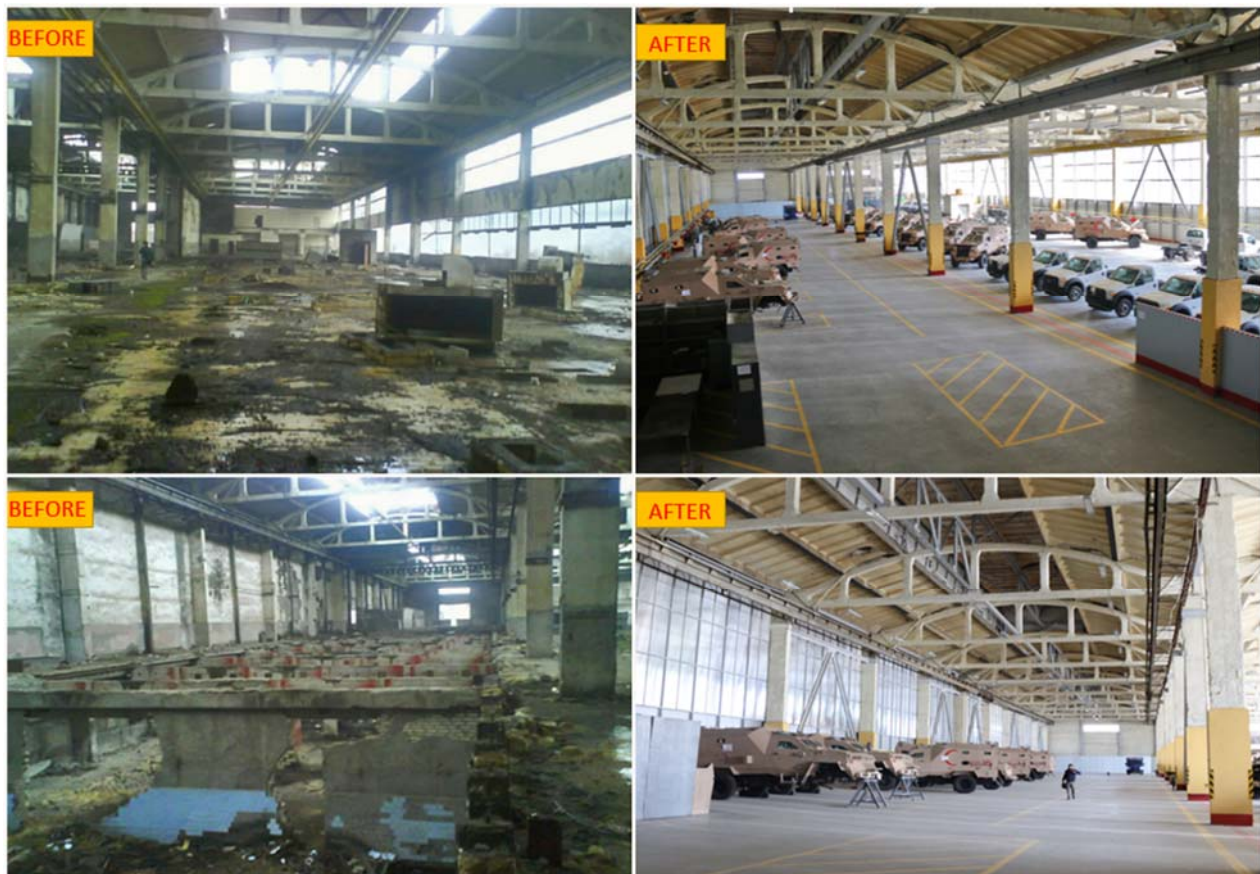
General Director of LEPL State Military Scientific-Technical Center “DELTA” Ucha Dzodzuashvili summed up the current year

On December 27, 2018, the General Director of LEPL State Military Scientific-Technical Center "DELTA" Ucha Dzodzuashvili, summed up the current year, where he talked about the implemented projects, and products created by the Center, and answered questions asked by journalists.

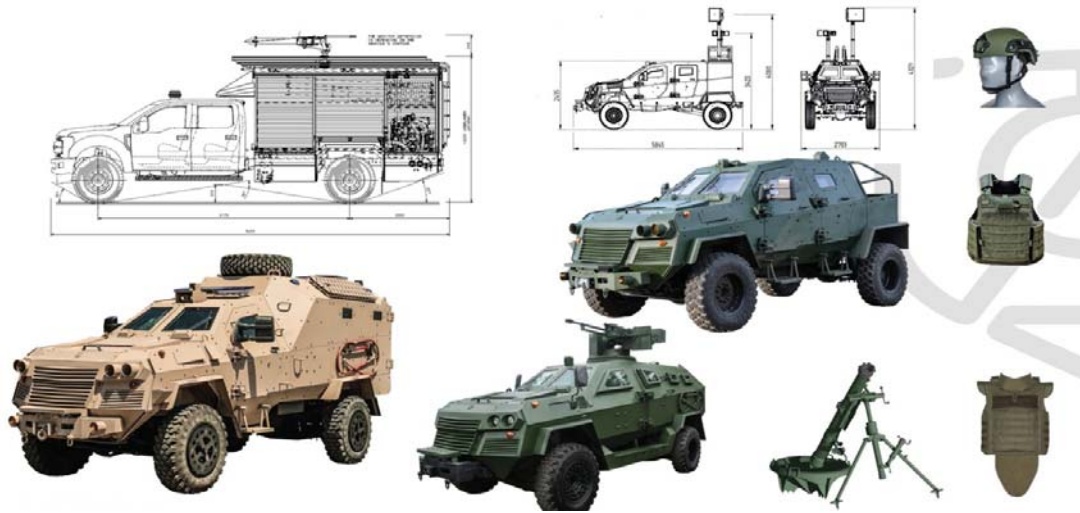
A brief overview of new management activities

During the last 6-7 years, the qualified personnel of the Center worked hard and spent a great number of resources and finances to restore a part of the 31st factory which had been destroyed from 1998 to 2010.

New factories were built and old ones have been restored. Unique machines that were sold as scrap metal had been bought back and modernized, the payment of staff has been stabilized and both the production platform and working conditions have been improved.



The company has started mass production of experimental products such as armoured vehicles, personal protection systems (armoured helmets and vests etc.), Artillery systems, Remote controlled weapon station, anti-tank systems, grenade launchers, sniper rifles, anti-hail system, unmanned helicopter etc. Instead of single units, hundreds have been produced and exported to the international market.



DELTA has contributed to the improvement of defence capabilities and reduction of agricultural damage caused by natural hazards like hail, as well as increasing the economic growth of the country, as we export nationally produced military products worldwide.

- 2014 - Damage caused by hail before the system's implementation amounted to 90'000'000 GEL;
- 2015 - The loss of 24'300'000 GEL was prevented by the anti-hail system;
- 2016 - loss of 11'315'000 GEL prevented;
- 2017 - loss of 25'600'000 GEL prevented;
- 2018 - loss of 33'000'000 GEL prevented and opening of the "Precipitation Reduction Center" in the Kakheti region.



Qualified personnel of the Center worked hard to create a positive reputation for its national military production on a global scale, and a dignified place on the international market.



Military products aren't just an exhibition showpiece, unlike their older versions. This is a product of great interest which is successfully sold on the international market.

Included in the Center’s Successful Projects:

1. 120 mm Mobile Mortar Module

- **The new 120 mm Mortar Module for the Didgori “Meomari”**
- **A new addition to Self-Propelled Artillery**

- **Presentation for the masses will take place at IDEX, held in Abu Dhabi, UAE. From the 17th to the 21st of February**



From 17-20 February, DELTA will hold a special event presenting the 4x4 120 mm mobile mortar system at IDEX-2019

DELTA has completed the new 120 mm Mobile Mortar Module for the “Didgori Meomari”. The artillery system is installed in Didgori Meomari’s rear frame.

The multifunctional platform of “Didgori Meomari” is composed of three main parts: - a universal suspension, armoured compartment with space for a crew of 5 and a rear modular compartment, where custom features and functionalities can be installed, such as reconnaissance systems, different weapons and artillery systems . According to the different modifications of the vehicle, a troop compartment or a cargo bed can be installed on the rear frame of the vehicle, this is where the 120 mm mortar module is installed.

2. New Georgian multifunction armored vehicle Didgori Meomari



For Georgia's Independence Day on May 26, 2018, DELTA presented **the first prototype of the new Georgian “Didgori Meomari” armoured vehicle** to the public. The "Meomari" is another modification of the Didgori Armoured vehicle platform, but it is based on a completely new concept that has improved armaments, ergonomics and suspension that is reflected on its different tactical and technical characteristics.

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3. For the first time in Georgia’s recent history a production facility for the scientific-research institute was built



Another effective step towards the development of local production and science was made after the collapse of the Soviet Union. For the first time in Georgia’s recent history a production base for the scientific-research institute was built.

The newly built production facility will be occupied by One of DELTA’s institutes - The Ferdinand Tavadze Institute of Metallurgy and Material Science, where 140 qualified personnel and scientists are ready to share their knowledge and experience, and give beginner practitioners more employment opportunities and chance to participate in scientific-research projects.

4. Anti-Hail System

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A modern automated anti-hail system that was installed in Kakheti in 2015 was an ambitious project. Despite the complexity of the system DELTA specialists made it in the shortest possible time. Currently the system reduces the damage inflicted tenfold, which reflects in a significant decline in economic loss. This system has no analogues anywhere in the world.

The automated anti-hail was an ambitious project, the development of which started in 2014 and was firstly launched in the Kakheti region. The “Precipitation reduction center” is administering anti-hail operations in Kakheti since 2018. The size of the protected area amounted to 800’000 hectares, out of which, only 4’460 hectares was damaged from hail, the efficiency amounted to 97.9%, at an operating cost of 2’650’000 GEL, an estimated damage of 32’922’000 GEL was averted.

5. Personal Protection Equipment

- **Provision of personal protection equipment with an expected cost up to 5 Million GEL for the Ministry of Defence**
- **Tailored to the technical specifications of the armed forces**
- **Built according to NATO standards**
- **IIIA Level Armour (9x19 / 7.62x25 TT)**
- **Helmet weight – 1.2 and 1.5 kg**
- **Vest weight – 4.5; 8.9 and 10.00 kg**



The State Military Scientific Technical Center "DELTA" has successfully completed production and delivery of personal armour, estimated up to 5 million GEL, ordered by The Ministry of Defence of Georgia. In addition an order worth 6.3 million GEL has been placed which will be delivered next year.

In 2018 the Georgian Armed Forces received Several Thousand Sets of nationally produced personal protection equipment worth 5 million GEL, Of which technical data is tailored to the requirements of the Georgian Armed Forces as well as international standards, which in turn lead to unification of personal protection equipment of the armed forces as well as bringing them in compliance with modern, higher standards.

Within the current project, the Armed Forces were supplied with DELTA's MK-I Ballistic Amor and DH MK-I Ballistic Helmet.

Design of the personal armour was done using manufacturing methods, schematics, armour safety indicators and examination of the material in accordance with NATO standards.

6. A Trilateral project for manufacturing a fire engine for Wildfire and Rescue Operations

- **A Tripartite Project**
- **2 variations of the fire-fighting vehicle**
- **Production of the superstructure by Rosenbauer**
- **Integration of the superstructure and strengthening of the chassis by DELTA**
- **Appearance of he first prototype in 2019**



SMSTC “DELTA” will start development of 2 types of the Fire Fighting Vehicle, Produced for the Emergency Management Agency of the MIA, and in Cooperation with Rosenbauer the largest Austrian producer of rescue equipment. The first prototype will appear in 2019.

In this project The Center has been involved in strengthening the chassis, as there is appropriate experience and intellectual qualification. The superstructure is manufactured by Rosenbauer, while DELTA will participate in integrating and upgrading the chassis.

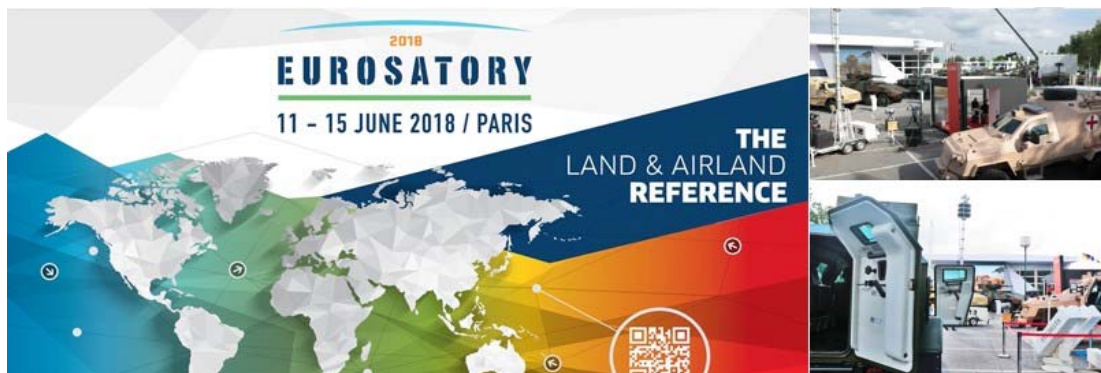
7. International Sales

In 2015, the biggest step in the history of Georgia was the introduction of nationally produced military and dual-use goods outside the country. **DELTA won the tender announced by the Ministry of Defence of Saudi Arabia, which included the purchase of modern armoured medical evacuation vehicles.**

Participating in this tender alongside the Didgori MEDEVAC were armoured vehicles manufactured by various companies such as Oshkosh, Streit Group, AIG, Steyr, Lenco and others.

- LEPL "DELTA" has provided 50 units of the 120 mm mortar to one of the NATO member countries.
- As a result of winning the tender in Saudi Arabia in 2015, DELTA is providing Saudi Arabia with 115 medical evacuation armoured vehicles.
- Delivery of medical-evacuation armoured vehicles to a South Asian country has begun. This is an indicator of DELTA's introduction to a new region.
- The contract for delivery of new types of communications modules was signed with one of the Scandinavian countries, the product will be delivered before the end of 2019.

8. EUROSATORY - 2018



For the first time in the history of Georgia, State Military Scientific-Technical Center "DELTA" presented their Georgian made military products at Eurosatory - an international Defence and Security industry trade fair.

Scientific-Technical Center "DELTA" presented samples of Georgian made military and dual-use products, among them are, the modified armoured vehicle Didgori, the armoured medical evacuation vehicle, 80 and 120 mm mortars, a modified anti-tank rocket-propelled grenade launcher RPG-7, a modernized RD-7 anti-tank mine, ballistic helmets, ballistic vests, an anti-materiel rifle, the GNM-60 a noiseless mortar, a dual-axis gyro stabilized remote controlled weapon station and an anti-hail system.

Georgian military products attracted great attention from the visitors and official representatives. DELTA's General Director Ucha Dzodzuashvili was interviewed by leading military analytical agencies such as Army Recognition World Defence & Security News and Army Guide.

With Special interest towards the GNM-60 "Mkudro" noiseless mortar, Didgori a modified armoured vehicle and Didgori MedEvac an armoured medical evacuation vehicle.

9. For the first time in the history of Georgia, SMSTC “DELTA” will be presenting examples of its nationally produced military equipment at IDEX



From 17-20 February, State Military Scientific-Technical Center “DELTA” will hold a special event presenting the 4x4 120 mm mobile mortar system at IDEX-2019 - the largest exhibition of land, sea and air defence equipment in the Middle East and North Africa. Also “DELTA”, will be showing examples of its nationally produced military equipment.

More than 1000 companies from across the defence industry will take part in this significant exhibition, which will take place in Abu Dhabi, capital of the United Arab Emirates. For the first time in its history, Georgia will be represented at one of the world's largest displays of military equipment.

DELTA will exclusively present the new mobile 120-millimetre mortar module of the Didgori Meomari and other Georgian produced weapons, among them the medical-evacuation armoured vehicle Didgori MedEvac, the modified armoured vehicle Didgori with a 23 mm dual-axis, gyro-stabilized remote-controlled weapon system, the Didgori Meomari, the AMR MOD 2 (Anti-materiel rifle), the GNM-60 noiseless bicalibre mortar, the modernized anti-tank mine RD-7, and Individual protection equipment.

The exhibition will include the full range of both land and air armaments, including light armoured vehicles, tanks, air defence radar and missile systems, helicopters, anti-tank equipment, munitions, MLRS or self-propelled artillery, reconnaissance, battlefield management and communications systems, CBRN (Chemical, biological, radiological and nuclear) defence equipment, personal protective equipment and fire-arms.

Participation in the exhibition will contribute to an increase in the export potential of nationally produced military products.

Thank you for your attention



DELTA