

Łukasiewicz - PIAP Delivers Robots to Indonesia

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Image Credit: Łukasiewicz-PIAP

Łukasiewicz Research Network - Industrial Research Institute for Automation and Measurements PIAP has delivered another batch of EOD robots for the Indonesian military. Notably, Łukasiewicz-PIAP products have been present there since 2014.

The contractual work completed this time referred to the PIAP Gryf EOD robots. They have been received by the EOD Teams of the Indonesian Army, as well as the Air Force. On 22nd - 25th June, the prospective users were trained, and functional hand-off of the delivered systems took place. Notably, the Łukasiewicz-PIAP robots are operated by all branches of the Indonesian military.

Along with the PIAP Gryf robots, the Indonesian Armed Forces also received the following

accessories:

- Holder for the recoilless disruptor, and FNK,
- Active fiber-optics winder,
- FNK (Freeze Neutralizing Kit)

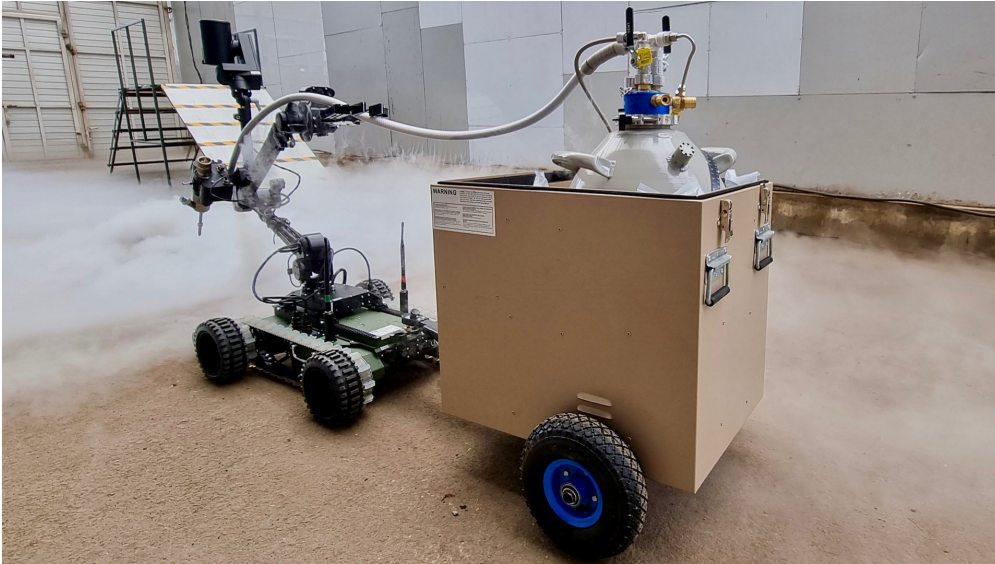


Image Credit: Łukasiewicz-PIAP

Let us recall: GRYF robots have been designed to carry out reconnaissance of restricted areas and locations that are hard to be accessed. The robots are equipped with a manipulator with five degrees of freedom, also offering an option of closing the gripping jaws, allowing the robot to carry objects with a mass of up to 15 kilograms.

PIAP Gryf features a hybrid drivetrain, using both wheels, and continuous tracks. The robot's wheels may be removed, which makes the system smaller and facilitates carrying out operations in narrow spaces (using the tracks alone).

Read more: [PIAP Mobi Target - Advanced Shooting Training System](#)

Thanks to the utilized drive systems, the robot can go over obstacles with slopes of up to 45 degrees. Perfect maneuverability and modular design can be listed among the most distinguishable features of this robot. The robot is very light, which facilitates the transport of

the system, and its modular design allows the user to quickly reconfigure the device, with quick changes of the additional equipment.

The PIAP GRYF ® system is tailored for operation with a myriad of additional equipment, including disruptor systems (such as the latest VULKAN CSL 50-40 VUL and VIPER CSL 50-30 VIP recoilless disruptor systems), semi-automatic shotgun, X-Ray system (such as Monos by LOGOS Imaging), explosive fumes sensor, fiber-optic drums and a bus for the remote detonation of explosives.

FNK is a remotely controlled freeze neutralizer delivered by the English CSL company. It was designed to deliver liquid nitrogen to dangerous packages, for temporary neutralization of the power supply, or freezing of all of the liquid materials.