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A New Indoor Shooting Range in PIAP

VIDEO



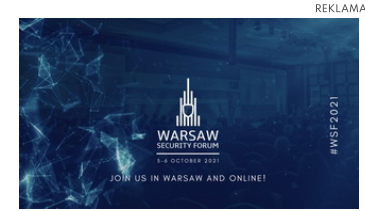
Rafal Muczynski (<https://milmag.pl/en/author/rafalmuczynski/>)

2 minutes

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Lukasiewicz Research Network — Industrial Research Institute For Automation And Measurement PIAP opened an indoor shooting range LPK in Warsaw.



(<https://warsawsecurityforum.org/>)



On 24th of June, Łukasiewicz Research Network revealed their Laboratory Of Kinetic Processes (LPK)—one of the most advanced indoor shooting ranges in Poland. It can be used by uniformed services in a variety of tactical courses, including mobile robot operations.



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(https://milmag.pl/2021/wp-content/uploads/2021/06/strzelnica_PIAP_01.jpg) Łukasiewicz Research Network opened a new indoor shooting range LPK

Laboratory Of Kinetic Processes is dedicated to kinetic and ballistic testing of new devices. It supports investigating material fatigue of devices, their component parts, and attachments while maintaining the highest degree of safety. It also supports research and development of new mobile robotic designs, accessories, and special devices.

Sample tests performed in LPK:

- stress testing of components and accessories for firearms and pyrotechnic launchers
- use of firearms, pneumatic devices, and pyrotechnic launchers on mobile robotic platforms, including devising their standard operating procedures
- investigating materials and designs suitable for extreme conditions

REKLAMA



(<https://www.kahles.at/en/sport/riflescopes/k318i-3-5-18x50i>)

(https://milmag.pl/2021/wp-content/uploads/2021/06/strzelnica_PIAP_00.jpg) *Laboratory Of Kinetic Processes is a unit dedicated to kinetic and ballistic testing*

Laboratory has a test site taking the form of a fully equipped shooting range, supporting extensive training involving mobile robots and firearms. Constant monitoring, supervision, direction, and coordination can be performed from a separate control center, sheltered behind heavily reinforced bullet- and soundproof walls. The range has six individual shooting positions with their own lightning.

Target carriers are controlled from tablets installed at firing positions. Tactical training and dynamic shooting is enabled by capacity for 180 degree arc of fire, mobile bullet traps, and rotatable walls. Independent programming for each light source allows varied lighting conditions, including stroboscopic effects.

To provide safety to the sures, walls and ceiling of the range are covered in anti ricochet material and the doors are bulletproof. The efficient ventilation system filters air from the shooting chamber every three minutes, and replaces it every six minutes.

It is worth noting that Łukasiewicz Research Network relied on the experience of former JW GROM operators. Design of the complex included advice from soldiers that served in live combat missions.

Paweł "NAVAL" Materczuk commented on the PIAP shooting range:

Places are made by people, and the PIAP shooting range was based on the experience of GROM soldiers. Experience of me and my colleagues help construct facilities in which training will reflect real combat situations. PIAP underground facility does exactly that.

According to a technical opinion issued by Military Institute Of Armament Technology, the shooting range allows for safe use of firearms with initial bullet kinetic energy of 3600 J.