

KINOVA

DPM-Tech  
ILERİ TEKNOLOJİLER A.Ş.



# DPM TECH AND KINOVA POWER A GEN3 QUADRUPED ROBOTIC SOLUTION FOR EXPLOSIVE THREAT RESPONSE IN TURKEY

Case study

## **ABOUT DPM TECH ADVANCED TECHNOLOGIES INC.**

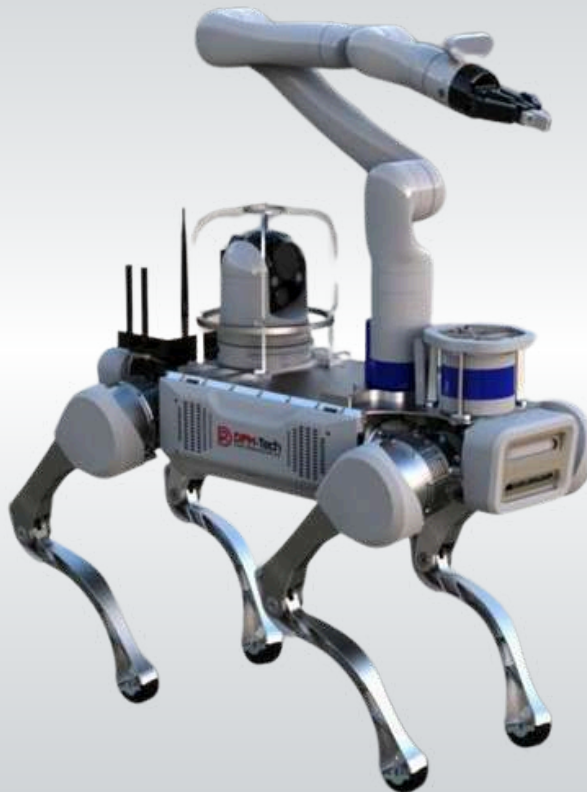
Founded over three years ago, DPM TECH ADVANCED TECHNOLOGIES delivers high-level engineering services across sectors; including defense, aerospace, and automotive. The company is driven by a mission to shape positive change and develop forward-thinking solutions that meet the complex technological needs of tomorrow.

## **DPM TECH AND KINOVA ENABLE SAFER EOD MISSIONS**

DPM TECH ADVANCED TECHNOLOGIES is supporting specialized intervention teams, such as those within the Gendarmerie, who are routinely exposed to dangerous environments involving explosives, crime scenes, and disaster zones. To enhance safety and efficiency in these high-risk operations, DPM TECH developed advanced quadruped robots, referred to as "robot dogs", equipped with Kinova Gen3 robotic arms with adaptive grippers. Designed for rugged terrain and harsh environmental conditions, the robot dog features advanced sensor systems, high-resolution cameras, and autonomous navigation capabilities. These technologies enable rapid and precise detection of explosive materials while minimizing human exposure to danger.

The explosive ordnance reconnaissance and intervention robot allows operations to be conducted from a secure distance, reducing the need for personnel to directly intervene in high-risk zones. It plays a crucial role in defense, land exploration, and mine clearance, and is also a valuable asset in disaster scenarios such as earthquakes, fires, and mining accidents where it supports search and rescue missions in otherwise inaccessible areas.

By integrating cutting-edge robotic solutions into the field, DPM TECH is redefining operational safety and efficiency, offering smarter ways to protect lives and respond to tomorrow's challenges.



## DPM TECH'S CORE OBJECTIVE:

DPM TECH ADVANCED TECHNOLOGIES is committed to developing innovative robotic solutions that enhance national security and protect human lives. In collaboration with JAVDES, a subsidiary of the Gendarmerie Public Security Foundation, DPM TECH has played a pivotal role in equipping Türkiye's Explosive Ordnance Disposal Teams (PAMIT) with a four legged explosive ordnance reconnaissance and intervention robot. Equipped with the ultra-lightweight Gen3 robotic arm from Kinova with adaptive gripper, they deliver a powerful tool for safe, remote operations in hazardous areas.



## DELIVERING REAL-WORLD RESULTS WITH A GEN3 QUADRUPED ROBOT DOG



With the integration of DPM TECH's advanced robotic systems, including the Gen3 Kinova robotic arm and adaptive gripper, the Gendarmerie's Explosive Ordnance Disposal Teams are now better equipped to intervene against high-risk threats and conduct detailed crime scene investigations with greater risk mitigation and efficiency. These expert teams, authorized to handle a wide range of ammunition and explosives—including those involving CBRN threats—can now perform crucial tasks such as detection, identification, and safe disposal with enhanced precision and minimal risk to human life.

In addition to neutralizing threats, the teams play a vital role in judicial investigations, examining crime scenes, analyzing evidence, and contributing to the identification of perpetrators. The deployment of this robotics technology significantly increases operational capabilities while reinforcing the overarching mission: to protect lives and ensure national security through innovation-driven defense solutions.

## DPM TECH EOD ROBOT DOG SOLUTION IN MEDIA

### Media News

<https://www.trthaber.com/foto-galeri/jandarmanin-yeni-yardimcisi-robot-kopek-envantere-girdi/71322.html>

<https://www.haberturk.com/jandarmanin-yeni-yardimcisi-robot-kopek-envantere-girdi-patlayicilara-robot-kopek-le-mudahale-3787588-teknoloji>

<https://www.linkedin.com/feed/update/urn:li:activity:7323999922519752704/>

<https://www.dailymotion.com/video/x9iwata>

<https://x.com/milliyet/status/1918230079416701226>

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Kinova is a global leader in designing and manufacturing robot arm for various applications in the Industrial, Professional, Academic and Medical markets and for Assistive technologies. We have for mission to provide humanity with robots that empower them to achieve the extraordinary everyday.

