

will be able to use biometric scanners to look for suspects, identify suspicious objects, launch a mini drone and even give chase to suspects.

This is not a complete list of robots and their functions that they already perform.

The use of foreign experience, namely the use of police robots, will help make the work of police officers safer and more effective. It would also be very appropriate to introduce them to the Ukraine patrol police.

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### **ROBOTS IN THE WORK OF THE POLICE**

The challenges of dealing with criminal behaviours are increasing globally. In many countries government program aimed at replacing some human crime-fighters with machines.

Tokyo's Metropolitan Police Department has been training up a special drone unit to watch over the prime minister's office, as well as the country's parliament building, the Imperial Palace, and other high-profile locations scattered throughout the capital. If the specially trained unit spots a rogue copter flying in a restricted zone, the operator will attempt to catch it. Professionals describe a hexacopter as "highly portable, lightweight, strong, and stable."

In Cleveland, USA, the Police Department's bomb squad has a new tool available for them to use. That tool is a robot. The robot is called 'The Griffin'. It is described as a 'spybot' or a "scout bot" because it can go into tight places and remotely sends back pictures from a rotating video camera. It can survey a potential threat faster and easier than the police department's larger bomb squad robot and can be deployed much faster. 'The Griffin' is able to climb over and around obstacles, maneuver underneath a small pickup truck, and go into a dark closet, sending pictures to a screen.

A prison in Pohang, South Korea began using the world's first robotic prison guards. Equipped with 3D depth cameras, a two-way wireless communication system, and software capable of recognizing certain human behavior patterns, the 5-foot-tall bots keep a cycloptic eye out for trouble while patrolling the corridors of the prison block. The "guard" is designed to conduct self-directed patrols, guided by navigation tags located along corridor ceilings, but is supervised by a human guard and may be controlled

via iPad. The pattern recognition algorithms focus on behavior that signals trouble and can alert controllers.

Dubai Police revealed their first robot officer, giving it the task of patrolling the city's malls and tourist attractions. People will be able to use it to report crimes, pay fines and get information by tapping a touch screen on its chest. Data collected by the robot will also be shared with the transport and traffic authorities. At present it can communicate only in Arabic and English, but there are plans to add Russian, Chinese, French and Spanish to its repertoire.

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## **PATROLLING IN CALIFORNIA**

Patrol is a small group or individual unit deployed from a larger formation to achieve a specific objective. The duration of a patrol will vary from a few hours to several weeks depending on the objective and the type of units involved.

Patrolling a municipality to preserve law and order is the essence of a police officer's job, whether he walks on foot or drives. Technological innovations like two-way radio, cell phones and computer terminals in patrol cars have dramatically expanded police agencies' reach. However, most officers rely on acute observation and gut feelings to get their jobs done. A new officer's inability to read body language can raise his risk of injury or death, while mastering those cues can give him confidence to manage dangerous situations.

Uniformed police officers are assigned to patrol specific geographic areas, which they check for signs of criminal activity. Officers also conduct searches and arrest any offenders that they confront.

To patrol a neighborhood effectively, police officers must also win residents' trust. Patrols offer an ideal opportunity for achieving this goal. Instead of staying in their cars, officers continually talk with community leaders and residents. This approach can be implemented through bike or foot patrols, as well as public meetings to discuss issues affecting the neighborhood.

Investigating accidents is another important task. Patrol officers are expected to direct traffic, examine the scene, interview witnesses, provide first aid for any injured victims, and take written statements from drivers.