

# DRONES

## What is a Drone ?

- "Drones" are certainly the most advanced equipment in the field of robotics, aerospace and electronics. The technical name for drones is "Unmanned Aerial Vehicles" (UAVs). These are aerial robots that have different varieties of sizes, shapes and functions. They are led by remote systems or ground control. They are generally used to perform tasks in areas classified "dangerous" for humans. The drones are mostly used in military, but today there are different uses in various civilian operations such as search and rescue, weather analysis, etc. They are deemed as "precise" and stealth. Drones have participated in insurmountable tasks for normal people in the prevention of terrorist attacks and the capture of important Taliban leaders, including the monitoring of "Osama bin Laden".

## Police forces struggle to incorporate drones



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## Future of the Drones :

Developments and modifications are constantly being done on the structure and internal electronics. The new "helicopter droneG" released by the US army carries a 1.8 giga pixel camera to provide clear ground images even from high altitudes. The sensors carried in the drones are also being made sharper to provide higher aerial surveillance. Programming software of the drone is being developed such that the drone can take its own decision in situations where human error is probable. The USA has constantly been utilizing their fleet of drones over Pakistan and Afghanistan in the fight against terrorism.

Sources: wikipedia