





PHANTOM RAY

This jet-powered flying wing has advanced UAV technologies, like radar jamming, autonomous aerial refuelling, air-missile defence and surveillance. It flies up to 40,000 ft. With a speed of 610 mph, this will be one of the fastest UAVs on record



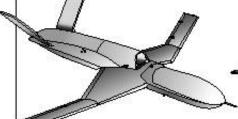
VULTURE

A belt of relatively calm air around 55,000 ft. A suite of day-&-night cameras can scan a 600-mile swath. sending data back to handlers on the ground. The craft's semiflexible structure bends instead of breaking when winds cause the long span to oscillate violently



EMBLA

A Hovercraft which lifts straight up from the ground with no runway. Will be useful for soldiers in rough terrain. Loaded with explosives, it could even enter an enemy compound on a suicide mission

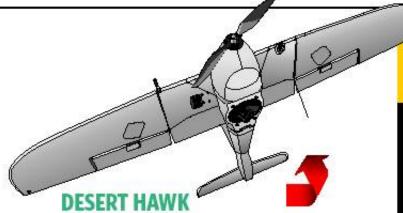


AVENGER

This hunt-and-kill device is packed with 3,000 pounds of surveillance equipment and lethal munitions. It can fly at speeds up to 530 mph, can loiter for nearly 20 hours and has wide-area surveillance sensors



Seven tons, 250-foot wingspan. At 65,000 feet above future battle fields, it will provide 24/7 surveillance and data communication. The plane can stay up for 10 days and runs on hydrogen fuel



Once it's chucked in the air, Desert Hawk coordinates to give British and American troops in Afghanistan an "over-the-hill" view, day or night, up to 6 miles away. At two pounds (with a collapsible 4.5-foot wingspan), it's easy to transport. Desert Hawk is as durable as a Nerf

THE INDIAN CONNECTION

India has embarked on developing an indigenous unmanned combat aerial vehicle (UCAV) for surveillance, detection and destroying specific targets



NETRA

Drone of '3 Idiots' could now serve Army

This machine is the same as the one built by IdeaForge, a company founded by three IIT, Bombay alumni Ankit Mehta, Rahul Singh and Ashish Bhat. DRDO has tied up with IdeaForge to refine the UAV now named Netra. Used by the Indian army and National Security Guard (NSG), for reconnaissance in anti-terror ops, it is noiseless, has daylight and thermal cameras and a low battery fail-safe



police department's Anti-social

MD-4 200

Behaviour Task Force, The four-rotor design of the battery-powered, carbon-fibre pod, which weighs just 1 kg, allows it to take off and land vertically. Brushless, direct-drive electric motors keep the noise level below 64 decibels, according to the company. The most significant and notable feature is that if it loses signal or senses a low battery, it will land itself automatically rather than crash

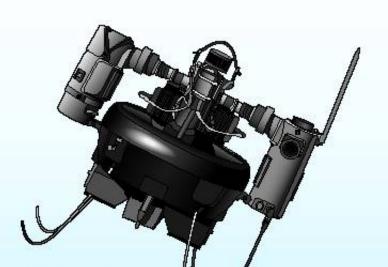
Used in Liverpool, UK, where it's

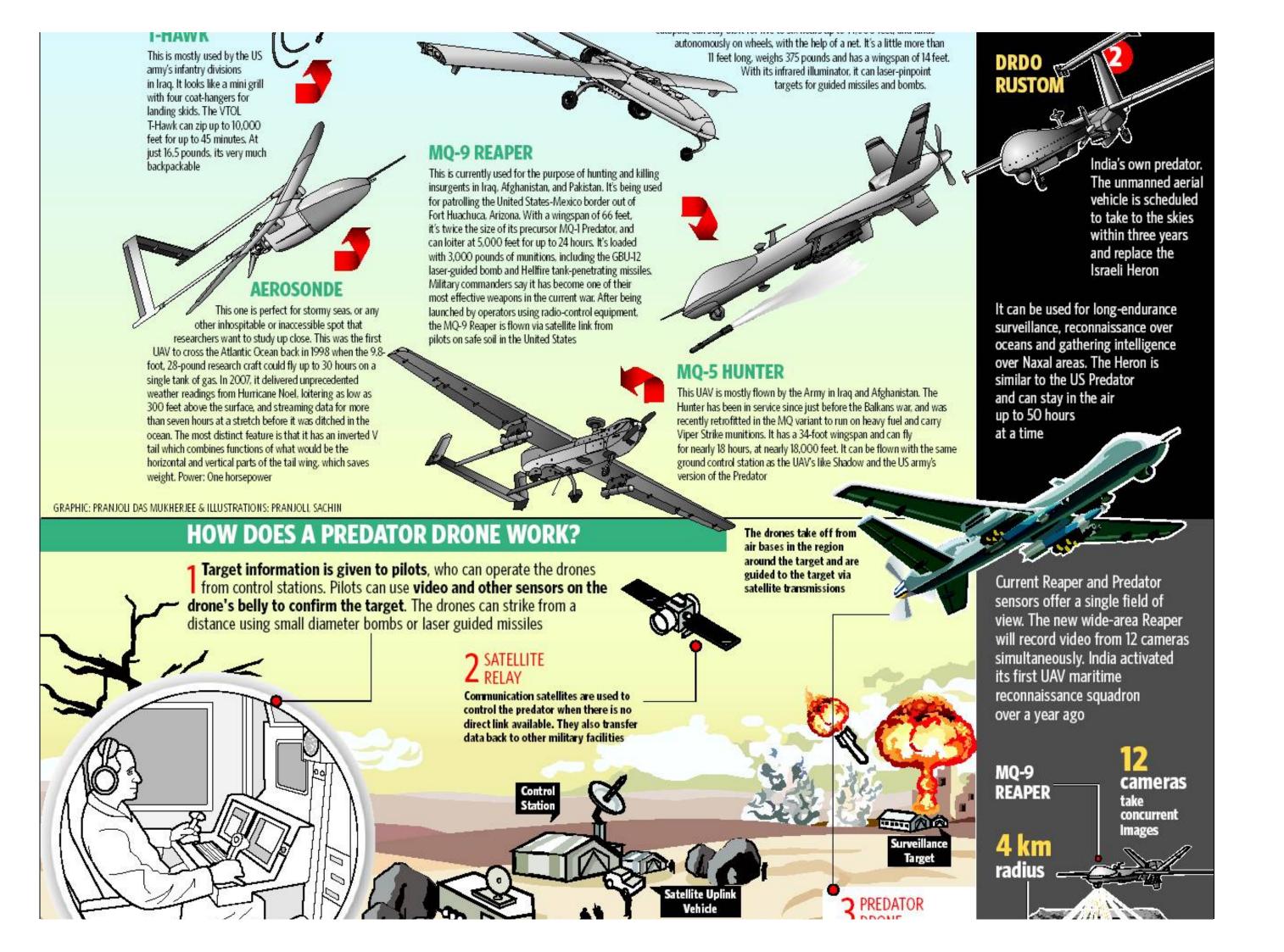
flown by officers of the Mersyside



RQ-7 SHADOW

Flown in Iraq and Afghanistan, where army battalions need tactical surveillance. It has flown hundreds of thousands of hours. It launches from a catanult, can stay aloft for five to six hours up to 14,000 feet, and lands







→ DKUNE

An aperture camera used for navigation, infrared camera and radar allow surveillance at night and through haze, clouds or smoke

