

11 fighters will change the world military position in the near future

In the next few years, advanced drone and fighter equipment with advanced technology is not limited to the US and European countries, but also to Russia, China and Iran. Here are 11 types of aircraft that can change the world military landscape in the near future:

In the next few years, the planes can fit in the palm of their hands (*or drones - drones*) , up to the giant 36-meter wingspan capable of launching. satellites into space, something we used to think a few years ago only in science fiction is now applied to reality. At the same time, advanced drone and fighter equipment with advanced technology is not limited to the US and European countries, but also to Russia, China and Iran. Here are 11 types of aircraft that can change the world military landscape in the near future:

1. F-35 Lightning II fighter aircraft



The F-35 is the most expensive military weapon of the US military today. Photo source: Lockheed Martin
The F-35 Lightning II is considered to be the most expensive military weapon ever by the US military, with a total cost of operation and use in the life cycle of up to \$ 1.5 billion. However, this is a generation of fighters with the most advanced military technology. This F-35 is a fighter jet with many different variants that can take on air combat, air support and bomb attacks. In particular, all F-35 variants have the ability to stealth, take off and land vertically extremely mobile.

Besides, there are some incidents related to software systems and jet engines so the F-35 project has been delayed more or less. The cost of this project tends to continue to increase but is not as effective at the air support area as existing equipment such as A-10. However, the US military has put a total of 1,700 F-35s. Like it or not, Lockheed Martin F-35 will still be the main US fighter aircraft for decades to come.

2. F-22 Raptor fighter aircraft



F-22 is a darling of the army because US federal law prohibits the export of this aircraft. Photo source: Staff Sgt. Jim Araos / USAF

In fact, the F-22 Raptor is currently the main fighter aircraft of the US military. In other words, it is the predecessor of the F-35. The F-22 Raptor remains one of the most feared and powerful "fighters" in the US military. Especially the F-22 has 2 jet engines and a single seat.

In May 2012, Lockheed Martin handed over to the US military 195 F-22 Raptors. They appeared during the most recent fighting when participating in the IS Islamic state bombing. Although it will be gradually replaced by the F-35, it is certain that this generation of F-22 fighters will continue to be the main card of the US military in the next few years.

3. Su-50 (T-50)



The Su-50 (T-50) is the Kremlin's fifth generation fighter. Photo source: Maxim Maksimov
Russian fighter jets, the Su-50, also known as the T-50 PAK-FA prototype, are the Kremlin's fifth-generation fighter, which is also Russia's response to the F-35. America. Although still a prototype, Moscow thinks that the T-50 can outperform the F-35 in important figures like speed and maneuverability. However, the stealth ability of the Su-50 is supposed to be lower than that of the F-22 and F-35.

In 2016, the Kremlin plans to put the Su-50 into official service. After the aircraft is ready to fight, it will serve as a base model for building export variants. Currently, India has received the design of the Su-50 variant from Russia. In addition, Iran and South Korea are also candidates that can buy future models of this type of fighter.

4. Chengdu J-20



The J-20 design model is quite similar to the F-35. Photo source: CDD

The Chengdu J-20 is a Chinese-designed fighter aircraft with an ambition to change the position of the game in Southeast Asia. The J-20 design model is quite similar to the F-35, probably due to allegations that China had previously stolen data on the F-35. In addition, the J-20 is said to be stealthy and can operate within Japan, the Philippines and Vietnam. As of January 2015, Beijing has developed a total of 6 functional prototypes of J-20 aircraft. Newly launched prototypes are getting faster and faster. It is expected that this generation of aircraft will be put into the Chinese people's army staff to be ready to fight in 2018.

5. Eurofighter Typhoon



Eurofighter is also known as the European version of the F-35 Lightning II. Photo source: AP

Eurofighter Typhoon is a twin-engine multi-role fighter, originally developed to become Europe's main fighter aircraft and NATO. Eurofighter Typhoon is Europe's largest military program, founded by 4 core countries: Germany, Spain, Italy and England.

In 2011, Eurofighter launched its first combat mission in a no-fly zone in Libya during NATO's bombing campaign. In addition, a total of 402 Eurofighter jets are designed for Austria, Italy, Germany, Spain, England, Oman and Saudi Arabia.

6. MH-X Silent Hawk

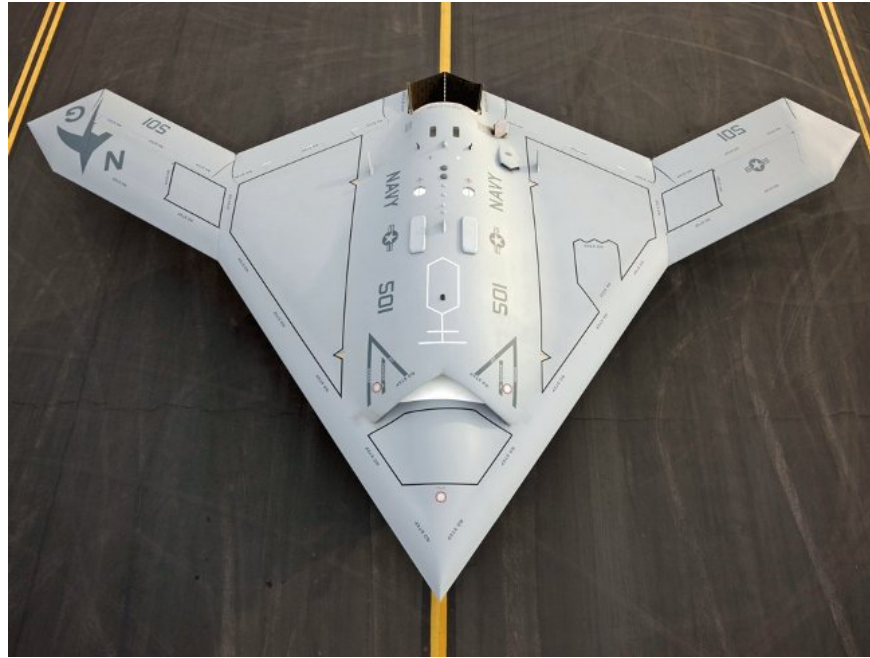


MH-X Silent Hawk stealth helicopter is part of the US military's secret development and manufacturing program. Photo source: Screen grab

The MH-X Silent Hawk production and development program was only publicly revealed after one of the helicopters crashed in SEAL raid, in the pursuit of Osama bin Laden in Abbottabad, Pakistan on May 1, 2011.

There is no specific information on when this top secret helicopter program of the US military will be put into use and how many stealth helicopters will be available. MH-X Silent Hawk appears to be a modified version of the previously known UH-60 Black Hawk.

7. X-47B



The X-47B is an unmanned fighter fighter capable of changing the face of aerial combat. Photo source: Northrop Grumman

The US Navy fighter aircraft, the X-47B, is an "unmanned *fighter* " aircraft, with the ability to change air-to-air battles built by Northrop Grumman. In addition, it has the ability to perform automatic aerial refueling - first appearing in world aviation history and deploying combat weapons. The X-47B flies at half the speed of 20m long sound and wingspan - as well as a range of nearly 4,000km.

8. Stratolaunch



Stratolaunch will be one of the most incredible transporters ever built. Photo source: Stratolaunch Systems

Now, Stratolaunch is in the development phase. The aircraft will serve as an aerial launch platform for vehicles capable of carrying satellites into orbit. Stratolaunch wingspan is about 35m - larger than any aircraft ever built before. They will fly higher than 9,000 meters, then point their nose up to launch satellites into space.

In particular, Stratolaunch airplanes will be relatively cheap launchers compared to the traditional use of rocket boosters due to their re-use. This will be a revolution in how to put satellites in space and even humans can fly into space this way in the future.

This is how the Stratolaunch video works:

9. X-37B



In fact, the air force calls the X-37B a reusable satellite. Photo source: Wikimedia Commons

The X-37B is an unmanned space plane in a secret US military project. In October 2014, an X-37B returned from a two-year mission. It is unclear exactly what X-37B did in orbit but showed its ability to operate for 20 consecutive months in outer space.

Basically, the air force calls X-37B, essentially a reusable satellite that controls and calls back to Earth at any time. The X-37B demonstrates the ability to refit an orbit for specific types of tasks - unprecedented flexibility in the US military. In addition, the X-37B can operate for long periods in orbit and is called an impressive technical feat to apply in the near future.

10. Nano Hummingbird



Micro size of unmanned aircraft Nano Hummingbird. Image source: YouTube screenshot

The Hummingbird Nano is a tiny surveillance aircraft (*drone device*) developed by the Darpa center of the US military, which could become a major military support device in the future. Hummingbird Nano is small enough to fit in the palm to avoid enemy detection and record images.

Most current military surveillance aircraft, such as Global Hawk RQ-4, are large aircraft, flying at an altitude of 18,000m and the control is also very complicated. Therefore, small size stealth aircraft such as the advent of the Nano Hummingbird will be easy to start and control, possibly as part of the equipment for a soldier to fight in the future.

Let's see how the Hummingbird Nano works:

11. Iran's unmanned aircraft system



Iran's unmanned aircraft not only demonstrates stability and high quality, but also represents national will. Image source: IRNA

Iran is subject to sanctions and embargo on Western weapons. This is why Tehran was denied the opportunity to buy European or American hardware and forced Iran to build military hardware with domestic capabilities. In 2013, Iran launched an armed drone, resembling an exotic American drone Reaper. The Iranians call their military drone equipment Fotros and Ababil-3. It is unclear whether Fotros are ready to join the fight, but Iran and Hezbollah - the Lebanese militant in Lebanon, along with the Sudanese army - used Ababil-3 for surveillance missions.

Moreover, Iran's unmanned aircraft not only proved stable and high quality, but also represented their national will. They can still develop their own unmanned technologies despite Western sanctions and sanctions. Fotros and Ababil-3 show that the era of widespread unmanned drones is not just a game of America or European countries.

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