

The challenge of Air Warfare in the Current Battlefield

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Conflicts since 2009

Libya, 2011

Crimea & Donbass, 2014

Rise of ISIS, 2014-2019

Nagorno-Karabakh, 2016 & 2020

War in Ukraine, 2022



The Full Sepctrum of War

Hybrid

Mercenaries

Art 5 war



The Dimensions of Warfare

Cyber

Air - Sea - Land

Space





Shahed 136 - variant MS001

Fully autonomous:

- Navigation
- Identification & selection of target
- Attack

The Technological Ascendancy



Human-in-the-loop



Human-on-the-loop



Human-out-of-the-loop



Arrow

- *The weapon*

Bow

- *The launch platform*

Archer

- *The operator*

Quiver

- *The stockpile*



Arrow Bow Archer Quiver



Chinese Jiu Tian UAV - Mothership for smaller kamikaze drones

AI and Air Power?

- ✓ Speed of decision
- ✓ Persistent presence
- ✓ Reduced human risk
- ✓ Resilience in a denied environment



The rules of the game have changed,

can law bring them back
into a canvas?