This product provides a visual comparison of UAVs used by Russian forces in Ukraine and Iranian UAVs used to attack U.S. and partner interests in the Middle East. Photos of UAV debris and components from Ukraine are consistent with systems showcased at military expos and other venues in the Middle East. This analysis confirms Russia's use of various Iranian lethal UAVs in its war in Ukraine.
Shahed-136 (Geran-2) One-Way Attack UAV Comparison

The Iranian-origin Shahed-136, renamed Geran-2 by the Russians, has a distinctive shape, with a delta-wing body and vertical stabilizers extending above and below the body, as displayed in Iranian press and military expos. Iran used Shahed-136 UAVs in the 2021 attack against the merchant vessel Mercer Street and has also transferred this system to the Huthis in Yemen. The Huthis have not used this system in an attack to date, but have displayed it publicly. The images circulating in open press of UAVs in Ukraine clearly show the features of the Shahed-136's delta-wing body and vertical stabilizers.

Selected points of comparison:
- Engine
- Wing Stabilizer
- Air Data Collection
- Fuselage
- Nose Cone
Iranian UAVs in Ukraine: A Visual Comparison

Shahed-136 (Geran-2) Wing Stabilizer

Shahed-136 (Geran-2) wing stabilizers recovered in Ukraine are consistent with the size, shape, and markings of the Shahed-136 wing stabilizers observed or recovered in the Middle East.\textsuperscript{4,5}

Selected points of comparison:

- Stabilizer Shape
- Serial Number
- Winglet
- Edge of Delta Wing

Shahed-136 (Geran-2) wing stabilizer recovered in Ukraine, October 2022

Shahed-136 (Geran-2) wing stabilizer recovered in Ukraine, September 2022

Shahed-136 UAVs preparing for launch from truck platform during IRGC Aerospace Force exercise in Iran, December 2021

Shahed-136 wing stabilizer recovered from the attack on the merchant vessel Mercer Street, July 2021
Shahed-136 (Geran-2) Engine

Shahed-136 (Geran-2) engines recovered in Ukraine appear to be Iranian produced MD-550 engines, the same engine model used in the Shahed-136.¹

Selected points of comparison:
- Ring Gear
- Starter
- Exhaust
- Heat Sink and Ignition Components

Shahed-136 (Geran-2) engine recovered in Ukraine, October 2022

MD0 550 engine displayed at the Iranian National Aerospace Exhibition, October 2014

Source: Ukrainska Pravda
Source: Iranian Military Forum
**Shahed-131 (Geran-1) One-Way Attack UAV Comparison**

The Iranian-origin Shahed-131, renamed Geran-1 by the Russians, has a delta-wing body shape similar to the Shahed-136 (Geran-2), but the vertical stabilizers extend only above the body. Recovered components in Ukraine and the Middle East appear to be very similar; some components even fractured in the same manner after impact.¹

Selected points of comparison:

- Engine
- Wing Stabilizer
- Fuselage
- Nose Cone
- Antenna Array
Recovered Shahed-131 (Geran-1) Components

Shahed-131 (Geran-1) UAV components recovered from debris in Ukraine are consistent with Shahed-131 components recovered in Iraq in 2022.⁹
Recovered Shahed-131 (Geran-1) Engine

This Shahed-131 (Geran-1) engine recovered in Ukraine is consistent with the engine of a Shahed-131 UAV recovered in Iraq.¹

Selected points of comparison:
- Wooden Propeller
- Crank Shaft
- Hex Screw
- Distinctive Housing Feature
- Ignition Component
- Engine Mount

¹ Source: iPress.ua
² Source: US Government
³ Source: iPress.ua
⁴ Source: US Government
Mohajer 6 Multirole UAV Comparison

The Iranian-origin Mohajer 6 has been displayed publicly in Iran and Iraq, and can be easily identified by its distinctive tail, as well as the attached surveillance equipment and guided munitions. In October, Ukraine captured a mostly intact Mohajer 6 from the Black Sea, and it appears to be indistinguishable from the Mohajer 6 systems photographed in Iran and Iraq. Components recovered from the wreckage display very similar markings to those observed in Iran. 

**Selected points of comparison:**
- Horizontal Stabilizer
- Serial Number
- Landing Gear Wheel
- Surveillance Equipment

Mohajer 6 displayed in Iran, February 2018

Source: Twitter

Mohajer 6 recovered from the Black Sea, October 2022

Source: Twitter

Guided munition recovered from Mohajer 6, October 2022

Source: Twitter

Source: Twitter

Source: Wikimedia Commons

Source: Mehr News Agency

Source: Twitter

Iranian guided munition displayed at a military expo, August 2022
Iranian UAVs in Ukraine: A Visual Comparison

Source Endnotes

1 ARTICLE, THE DRIVE; THOMAS NEWDICK, TYLER ROGOWAY; 13 SEP 2022; RUSSIA HAS BEGUN USING IRANIAN KAMIKAZE DRONES ON UKRAINE; HTTPS://WWW.THEDRIVE.COM/THE-WAR-ZONE/ RUSSIA-HAS-BEGUN-USING-IRANIAN-KAMIKAZE-DRONES-ON-UKRAINE.

2 ARTICLE, DRYX; MARCH 2021; HOUTHI REBELS UNVEIL HOST OF WEAPONRY; URL: HTTPS://WWW.ORYXSPIEKNOP.COM/2021/03/HOUTHI-REBELS-UNVEIL-HOST-OF-WEAPONRY.HTML.

3 UNITED STATES INSTITUTE OF PEACE – THE IRAN PRIMER; 06 AUG 2021; CENTCOM: IRAN BEHIND DRONE ATTACK ON TANKER; URL: HTTPS://IRANPRIMER.USIP.ORG/BLOG/2021/AUG/10/ CENTCOM-IRAN-BEHIND-DRONE-ATTACK-TANKER.

4 ARTICLE, MEHR NEWS; APRIL 2022; TITLE UNKNOWN.

5 UNITED STATES INSTITUTE OF PEACE – THE IRAN PRIMER; 06 AUG 2021; CENTCOM: IRAN BEHIND DRONE ATTACK ON TANKER; URL: HTTPS://IRANPRIMER.USIP.ORG/BLOG/2021/AUG/10/ CENTCOM-IRAN-BEHIND-DRONE-ATTACK-TANKER.

6 ARTICLE, EUKOWI ON IRAN; 25 NOV 2014; TAKEAWAYS FROM IRANIAN NATIONAL AEROSPACE EXHIBITION 2014; URL: HTTPS://WWW.USKOWIIRAN.COM/2014/11/TAKEAWAYS-FROM-IRANIAN-NATIONAL.HTML.


9 ARTICLE, IPRESS.UA; 22 OCT 2022; (U) SUROVIKIN WILL TRY TO PARALYZE THE WORK OF THE AUTHORITIES AND MAKE THE LIVES OF CIVILIANS MISERABLE - TOM COOPER; OVERALL CLASSIFICATION IS UNCLASSIFIED; URL: HTTP://IPRESS.UA/ARTICLES/SUROVIKIN_NAMAGATYMETSYA_PARALIZUVATY_ROBOTU_VLADY_I_ZROBYTY_ZHYTTYA_TSYVILNYH_ZHALYUGIDNYM__TOM_KUPER_335061.HTML.

10 ARTICLE, JANES DEFENCE WEEKLY; JEREMY BINNIE; 13 JUL 2022; CUT-PRICE CAPABILITY: THE PROLIFERATION OF IRANIAN ATTACK UAVS.

11 ARTICLE, MEPH NEWS AGENCY; 05 FEB 2018; IRAN STARTS MASS PRODUCTION OF ADVANCED DRONE MOHAJER-6; URL: HTTPS://EN.MEHRNEWS.COM/PHOTO/131926/ IRAN-STARTS-MASS-PRODUCTION-OF-ADVANCED-DRONE-MOHAJER-
