

Ukraine launches Brave1, a state cluster for military technology start-ups

Source copy kept by wheresthe.ai for the story "Ukraine launches Brave1, a state cluster for military technology start-ups" (<https://wheresthe.ai/d/ua-brave1-defence-tech-cluster-2023-04/>).

Source: <https://www.news4jax.com/business/2023/04/26/ukraine-launching-tech-cluster-to-boost-military-capability/>

Text saved 18 Oct 2026 (the page as published).

SHA-256 of the saved text: 6ba461fe82eb1f4ab98cebfbf0397b766bacfe61dbe91781a194421dfd03a75c

BREAKING NEWS All lanes of Atlantic Blvd. closed near Regency after pedestrian hit and killed: JSO

Select breaking news story 1 of 2 Select breaking news story 2 of 2

Show Breaking News Bar

Close

Business

Ukraine launches tech cluster to boost military capability

Hanna Arhirova Associated Press

Published: April 26, 2023 at 2:41 AM Updated: April 26, 2023 at 4:52 PM

Full Screen 1 / 12

Previous photo

Next photo Unmanned aerial system 'Shark' featured at the exhibition that shows some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) Observers look over an exhibition featuring some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) An observer looks over an exhibition featuring some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) Ukraine's Minister of Defense Oleksii Reznikov, third from left, Minister of Digital Transformation Mykhailo Fedorov, centre, and other officials sign a memorandum at the presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) Unmanned ground vehicle 'Gnom' featured at the exhibition that shows some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) FILE - Ukraine's Minister in charge of Technology Mykhailo Fedorov speaks during an interview with The Associated Press in Kyiv, Ukraine, Friday, April 21, 2023. Ukrainian government is launching a new initiative meant to streamline and promote innovation on drones and other technologies that have become critical in the country's fight against Russia, by bringing together state, military, and private sector developers working on defense issues. Ahead of the official announcement Wednesday, April 26, 2023, Ukraine's minister in charge of technology Mykhailo Fedorov told The Associated Press that the state had earmarked more than 100 million hryvnias (about \$2.7 million) to fund projects that have the potential to help Ukraine win. (AP Photo/Efrem

Lukatsky, File) An observer looks over an exhibition featuring some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) FILE - A Ukrainian soldier carries a drone close to the frontline near Avdiivka, Donetsk region, Ukraine, Friday, Feb. 17, 2023. Ukrainian government is launching a new initiative meant to streamline and promote innovation on drones and other technologies that have become critical in the country's fight against Russia, by bringing together state, military, and private sector developers working on defense issues. (AP Photo/Libkos, File) FILE - A Ukrainian soldier launches a drone in the area of the heaviest battles with Russian troops in Bakhmut, Donetsk region, Ukraine, Sunday, April 9, 2023. Ukrainian government is launching a new initiative meant to streamline and promote innovation on drones and other technologies that have become critical in the country's fight against Russia, by bringing together state, military, and private sector developers working on defense issues. (AP Photo/Libkos, File) FILE - Matrice drones are ready to be handed over to the Ukrainian army in Kyiv region, Ukraine, Tuesday, Aug. 2, 2022. Ukrainian government is launching a new initiative meant to streamline and promote innovation on drones and other technologies that have become critical in the country's fight against Russia, by bringing together state, military, and private sector developers working on defense issues. (AP Photo/Efrem Lukatsky, File) Observers look over an exhibition featuring some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova) An observer looks over an exhibition featuring some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova)

Copyright 2023 The Associated Press. All rights reserved Unmanned aerial system 'Shark' featured at the exhibition that shows some of the Ukrainian technologies being used on the battlefield as a part of a presentation of the new so-called BRAVE1 initiative, held in an underground parking lot in Kyiv, Ukraine, Wednesday, April 26, 2023. The Ukrainian government on Wednesday launched the initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. (AP Photo/Hanna Arhirova)

KYIV – The Ukrainian government on Wednesday launched a new initiative meant to streamline and promote innovation in the development of drones and other technologies that have been critical in the war with Russia. As part of the initiative dubbed BRAVE1, the government hopes to bring state, military, and private sector developers working on defense issues together into a tech cluster that would give Ukraine a battlefield advantage. Recommended Videos

“Considering the enemy that is right next to us and its scale, we definitely need to develop the military tech so that we can defend ourselves,” Mykhailo Fedorov, Ukraine's minister of digital transformation, said.

Fedorov told The Associated Press ahead of Wednesday's official announcement that the government had earmarked more than 100 million hryvnias (about \$2.7 million) to fund projects that have the potential to help Ukraine win the 14-month conflict. “There are many people on the battlefield now of the young generation that can work with technologies, and they need them,” he said. The name of the defense tech cluster refers to Ukraine's bravery in the war that Russia started, Defense Minister Oleksii Reznikov said during the presentation. He said Ukraine is striving for independence in its military capability and BRAVE1 can be a step toward achieving it. Last week Reznikov met with defense leaders from around the globe in Germany to coordinate additional military aid to Ukraine.

“We must not be dependent on the free will of our partners,” he said. “We have to invest resources into our independence so that we can defend ourselves on our own.” The presentation was held in an underground parking lot and featured some of the Ukrainian technologies already being used on the battlefield, such as unmanned ground vehicles, robotic systems to identify landmines and unmanned aerial systems. Both Ukraine and Russia make frequent use of unmanned aerial vehicles for reconnaissance and in attacks. Russia extensively uses Iran's long-range Shahed-136 exploding drones, to damage Ukrainian power plants and instill fear in civilians. The Ukrainian government launched a public fundraising drive last year asking foreign donors to help it

build an “army of drones.”

The Moscow-appointed head of the port city of Sevastopol in Crimea, Mikhail Razvozhayev, reported this week that Russian forces destroyed a Ukrainian sea drone that attempted to attack the harbor and another one blew up. Ukrainian officials stopped short of openly claiming responsibility, as they had done after earlier attacks on Crimea, which Russia annexed in 2014. Oleksandr Kviatkovskiy, a board member of robotic and netcentric military innovation nonprofit Aerorozvidka, sees BRAVE1 as a platform the military can use to communicate its electronic warfare needs and provide strategic support to the military technology industry.

“Even one year to develop a product, it’s a very short time,” he said. However, Kviatkovskiy isn’t sure that such platform can create a significant boost for development of war technologies. “Even if it does, it will be minimal,” he said. “Few things can be more effective than the boost created by the tanks near Kyiv,” he said, referring to how Ukrainian forces prevented Russian troops from storming the capital during the first weeks of the war. Fevzi Ametov, a Ukrainian soldier and co-founder of Drone.ua, a company that specializes in drones, said businesses and their engineers already try to incorporate feedback from military personnel into their products.

“Any assault without drones, right now, it’s like going blind into a minefield, and you don’t know what is waiting around the corner,” he said. “Technologies help save lives.” Ametov said Ukraine was investing many more resources in military technology than it did before Russia’s invasion. He based his assessment on the various models of drones his unit has tried out. “We always have something new to test, to understand if it’s needed for our unit or not,” he said. Ametov, who is originally from Crimea, fights on the Ukraine war’s front line while still involved in running his company, which expects to play an advisory role in the BRAVE1 initiative.

His company distributes a portable anti-drone gun that uses radio signals to jam drones and to bring them down. According to Ametov, Ukrainian forces are using hundreds of the \$12,000 guns, which can run for up to 30 minutes on a single fully charged battery, “with more and more coming.” “Every side is trying to use as many drones as possible,” Ametov said. “When you are staying at the position, this is the only way to protect yourself from the drone.” For now, Ukraine and Russia are about on par in their ability to employ drones, according to Fedorov. But when facing an enemy that has more troops and equipment, Ukraine must strive for technological superiority, he said.

“No matter how much enthusiasm you have to defend your country, you just physically cannot do it,” the minister said. “That’s why it’s important to build institutions, so we can convert the energy of all volunteers, businesses and active citizens into concrete big projects that will continue to work for decades,” he said. ____ Follow AP’s coverage of the war in Ukraine: <https://apnews.com/hub/russia-ukraine>

Copyright 2023 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

The evidence that can prove a hit-and-run The evidence that can prove a hit-and-run

Parents seek answers after DCPS says Riverside football coach was not cleared to work with students Parents seek answers after DCPS says Riverside football coach was not cleared to work with students

Man shot on Jacksonville’s Northside; taken to hospital in stable condition Man shot on Jacksonville’s Northside; taken to hospital in stable condition

How Hilite Coffee in San Marco mixes banana and matcha trends How Hilite Coffee in San Marco mixes banana and matcha trends

What you need to know about this weekend’s free NAS Jax air show What you need to know about this weekend’s free NAS Jax air show

If this is practice, I can’t wait to see the whole show. Weather is changing this weekend... If this is practice, I can’t wait to see the whole show. Weather is changing this weekend...

Planners address traffic concerns around Mandarin Middle School Planners address traffic concerns around Mandarin Middle School

Jacksonville-area weekend events to check out Oct. 16-18, 2026 Jacksonville-area weekend events to check out Oct. 16-18, 2026

St. Augustine keeps carriages despite growing welfare concerns St. Augustine keeps carriages despite growing

welfare concerns

Mother seeks answers after son is fatally shot in Arlington Mother seeks answers after son is fatally shot in Arlington

Hotel, shopping center could replace long vacant Kmart in Neptune Beach: report Hotel, shopping center could replace long vacant Kmart in Neptune Beach: report

Putnam County woman sentenced to life in prison for boyfriend's 2024 deadly shooting Putnam County woman sentenced to life in prison for boyfriend's 2024 deadly shooting

Did you hear that? That's the sound of the NAS Jax Air Show coming... Did you hear that? That's the sound of the NAS Jax Air Show coming...

Dream of homeownership coming true for single mother Dream of homeownership coming true for single mother

Coffee & matcha shop is a 'Hilite' of San Marco Coffee & matcha shop is a 'Hilite' of San Marco

AROUND TOWN 🚗 Check out the 3rd Annual River City Smoke Fest! AROUND TOWN 🚗 Check out the 3rd Annual River City Smoke Fest!

THE JAXFAIR JACKPOT! 🎰🎰 THE JAXFAIR JACKPOT! 🎰🎰

Woman accused of murder says she fatally shot boyfriend in self-defense after he choked her Woman accused of murder says she fatally shot boyfriend in self-defense after he choked her

Teen shot in Moncrief; suspect remains unidentified: JSO Teen shot in Moncrief; suspect remains unidentified: JSO

Jacksonville woman sentenced to 15 months for punching Florida trooper during immigration operation Jacksonville woman sentenced to 15 months for punching Florida trooper during immigration operation

Previous video Next video

[Click here to take a moment and familiarize yourself with our Community Guidelines.](#)