

Domestic and national flying car TUSI started test drives

The domestic flying car "Tusi", which was named after Nasiraddin Tusi, one of the important Islamic scientists of the 13th century and developed by the Department of Mechatronics of Istanbul Gelisim University, started test drives.

With the developing technology, there are many developments that cars will travel both on land and in the air in the future. In this sense, many institutions and organizations continue to work with the technological infrastructure and reveal examples. Istanbul Gelisim University Mechatronics Department in order to keep pace with global developments and also to support the national flying car technology is still working in Turkey for many years. The flying car Tusi, which first met with technology lovers in 2019 at TEKNOFEST and was highly appreciated, started test drives this year as well. The vehicle, which successfully completed the indoor test drives, made an open area test drive at Başakşehir Şehit Erdem Özçelik Stadium. Saying that they will continue all the necessary work for the vehicle after the test drives, Mechatronics Department Instructor Umut Us said, "After our trials, we will start more ambitious flight tests."

"WE GET THE RESULTS WE WANT"

Providing detailed information about Tusi and also being an R&D Engineer at the University's Technology Transfer Office, Umut Us said: "The vehicle is currently built on a hexacopter infrastructure with 6 motors and its current weight is 100 kg and it can travel a person of 80 kg. In terms of flight range, it has a range of 30 kilometers in the air and 160 kilometers on land. It is powered by electricity and can fly for 8-9 minutes with a thrust value of approximately 180 pounds after a charge of 2-2.30 hours. Our test flights are currently around 10 meters. When we exceed a certain limit, the wind resistance in the air is activated. Since it is the first prototype, I can say it is enough for us. Based on these, we achieve the results we want."

"WE WILL MAKE MORE CHALLENGING FLIGHT TESTS"

Us also said that they are very pleased with the support provided by the university and added: "Thanks to the innovative approach of our university, we are working on many projects with our teammates and we have come this far. In fact, the design process of our flying car project started in 2018. It came to the testing stages after leaving various production stages. We actually conducted our indoor test flights. We also conducted various studies on our open air test flights. As of today, I can say that we will now perform a much more challenging flight test."

"A PROJECT FOR THE FUTURE"

Lastly, Us said: "We are not doing the flying car project just to say that we have done it, it is a project we do for the future. We are planning to make this realizable with various investments in the future and we really want to make our flying car a travelable structure by getting a person inside. As you know now, in accordance with the Civil Aviation Rules, transporting

people is a difficult and troublesome process. That's why we do our tests by placing them within an 80-pound weight.”

Abdulkadir Gayretli, The Cahirman of the Board of Trustees of IGU, stating his satisfaction with the realized test drives, said: “We will continue to work in order Turkey to become the leading country in flying car technology.”

“Armenia is waging a dirty war”

Sociologist and International Relations Expert Behlul Aliyev (PhD) pointed out that the Azerbaijani side was fighting a virtuous war against the dirty provocations of Armenia and said: “Armenia's attacks are against the ethics of war as well as international law. Armenia shows how dirty it is waging a war with it.”

“THE MYTH FICTIONALIZED FOR YEARS IS DISTORTED”

Emphasizing that Armenia's appetite has increased with the failure of the 30-year search for a peaceful solution in Azerbaijan, which is under occupation of 20 percent of its territory, Dr. Bahlul Aliyev, Sociologist and International Relations Expert from Istanbul Gelişim University, said: “During this period, myths of "invincibility", "hero nation chosen by God" were formed in the Armenian administration and the Armenian people. With the support of the international community, the constant breakdown of the ceasefire regime that had existed since 1994 and the impunity had further fueled these feelings. With the coming to power of Nikol Pashinyan in 2018, the emergence of domestic and foreign policy problems and the Pashinyan regime's desire to cover the discontent arising from the grassroots with the Karabakh issue were inadvertently strengthening these myths.”

Dr. Bahlul Aliyev continued as follows:

"Pashinyan's visit to Karabakh after every failure in domestic policy, the oath-taking ceremony of the so-called head of the regime to be held in Shusha, which is considered sacred to Azerbaijanis, the participation of the wife of the Prime Minister, Anna Hakopyan, in the military training in Karabakh in early September and symbolically aiming arms at the Azerbaijani side, while keeping the feelings of victory in the Armenians, on the other hand, strengthened the sense of retaliation in the Azerbaijani people. With the beginning of the war, the heavy defeat of the forces, which had been deployed and accumulated in the region for about 30 years, and considered the most powerful units of the army unification, in a very short time distorted these myths.”

“DIFFERENT REASONS LAY UNDER THE SHELLING OF CIVIL SETTLEMENTS”

Stating that there is more than one reason for Armenia's hitting civilian settlements outside the conflict zone in Karabakh, Aliyev said: “Armenia has several aims by hitting civilian

settlements. Its first aim is to disrupt the concentration of the Azerbaijani army. It aims to force the Azerbaijani army to expand its maneuver area by striking different regions, thus reducing the intensity of attacks on the Karabakh front. The second aim is to force the Azerbaijani side to attack the territory of Armenia and then to bring the war to the international level. The third aim is to provide comfort to the people of Armenia on the defeat in the front, and the fourth is to force the Azerbaijani people to put pressure on the government to stop the war. Fifth, and most terrifying, it is to initiate migration in the region by the irresponsible and immoral massacre of civilians and thus affect the demographic situation, even if it is defeated.”

“ARMENIA INTENDS TO CONTINUE THE WAR IN A DIRTY WAY”

Drawing attention to the Armenian forces waging the war everywhere but the front, Dr. Aliyev continued his words as follows:

“While the Armenian soldiers and other militia forces that fled by dropping their weapons along the front were defeated over the defeat, the Armenian administration and the Ministry of Defense denied any serious losses in the front. As such, Armenia is attacking civilian settlements in Azerbaijan with SCUD-type 'Elbruss' and 'Tochka-U' ballistic missiles, which are prohibited against civilians, however, in spite of all the evidence, Armenia denies these attacks with utter language and claims that these attacks are imitation of the Azerbaijani side in order to mislead the world public opinion. On the other hand, they are waging an information war in a dirty way by serving the photographs of civilians massacred in Azerbaijan as "Armenian civilians" in different media, such as the internet, and protests in Western countries. While the former ASALA members, Nubar Ozanyan Battalion and other militias were brought from Lebanon and Syria to fight on the Armenian side, it accuses the Azerbaijani side of making terrorists fight, without relying on any evidence. Armenia realize all its attacks as a proxy by hiding behind the so-called Nagorno-Karabakh regime.”

“AZERBAIJAN WAGES VIRTUOUS HOMELAND WAR”

Stating that the Azerbaijani side waged a virtuous war against the dirty provocations of Armenia, Dr. Bahlul Aliyev said: “The Azerbaijani army is fighting a virtuous war against the Armenia’s dirty war which violates international law and war ethics. Civilians are never shot, prisoners of war are treated humanely, provided with medical services, under the Geneva Convention of 12 August 1949. Azerbaijan Army continues its Homeland War ethically and morally by answering on the battlefield.”

How did technology affect our lives during the coronavirus process?

Research was conducted on how technology affects family lives during the coronavirus process. In the research conducted with in-depth interviews with families, it was concluded

that people are physically imprisoned in homes but go out through social media and this situation will negatively affect psychology in the future.

With the coronavirus epidemic, perhaps the technological transformation that will take place in 10 years has been experienced rapidly within 6 months. Two sisters Asst. Prof. Dr. Özge Gürsoy Atar and Asst. Prof. Dr. Şebnem Gürsoy Ulusoy carried out a study about how technology affects family life. The research was carried out through in-depth interviews with married families and families with children. Giving information about the research, Asst. Prof. Dr. Atar said: "In in-depth interviews, we saw that families were negatively affected by the technological process and benefited from technology in areas such as education and shopping". Asst. Prof. Dr. Ulusoy added: "Due to the advancement of technology, people have closed their homes in a way that blends with technology. The convenience provided by this technological transformation has turned us into home-dependent, real-life independent people without realizing it."

"OURSELF IN THE HOUSES, OUR AVATAR IS MOVING OUTSIDE"

Speaking about his findings about the interviews, Asst. Prof. Dr. Özge Gürsoy Atar said, "In the in-depth interviews, we saw that families were negatively affected by the technological process and benefited from technology in areas such as education and shopping. It was revealed that communicating with each other through online communication channels with the elders of the family lacked some points on children. We have seen that domestic communication has been further interrupted face-to-face during the coronavirus process. Like in an Avatar movie, we sit in the house ourselves, but we send our avatar out via social media. We have found that people are physically imprisoned in homes, but they go out through social media, and this may negatively affect their psychology."

SEEN AS A DIGITAL CARER: PARENTAL RELATIONS HAVE BEEN DISSOLVED

Atar pointed out that it is of great importance to strengthen communication with the activities of families with each other at home by limiting virtual communication a little more and said: "We see that social media and digital media tools are used intensely by children in this period. Parents started working from home. The mother cannot take care of the child; Therefore, social media and digital games started to be used a lot. Families started to see them as caregivers. This is why communication is limited. We should keep them away from digital, social media, with more family games. Families should also limit themselves because we have

observed that parents are too depressed as a result of their escape, turning to social media and parents' relationships deteriorating.”

WE ARE AFFECTED BOTH POSITIVE AND NEGATIVE

Asst. Prof. Dr. Şebnem Gürsoy Ulusoy, from the School of Applied Sciences of Istanbul Gelisim University, who stated that they saw people confined to their homes in a way that blended with technology, said: “This process was reflected positively in many ways for the continuation of our work and the education of children. People were not unemployed, children were able to continue receiving education from home. The convenience provided by this technological transformation has turned us into home-dependent, real-life independent people without realizing it. The research came out at this point. While this process continued our daily routines, it also caused us to be a mother for 7-24 mothers and to continue our own business.”

ARE LARGER FAMILIES AT THE DEFEAT STAGE?

Pointing out that there is change and transformation in family communication with the epidemic, Ulusoy said, “Large families are very important in our society structure. Those big families are now falling apart. The process of getting together in large families which consists of grandmothers and grandfathers has evolved into virtual maternity together with corona era and technology. In this period, we cannot foresee how children who are in the young age group and those who have spent 1-2 years in this way will be affected by this, whether they will overcome this and what kind of mass will come in social terms. We can foresee that this unpredictable mass will experience limitations in family communication. This was a preliminary study, studies on this are continuing.

EVENTS SHOULD BE ORGANIZED WITH TECHNOLOGY

Referring to the fact that technology causes people to confuse their business and private lives, Ulusoy completed her words as follows:

“Families need to spare time for each other spiritually. Also for nuclear family; It is important to stay away from social media and spend productive hours with children at the same time of their work on the internet. 90 percent of grandmothers and grandfathers use technology.

Especially, they can communicate face to face with their grandchildren on certain days and be included in their time. We must direct the digital environment in a way that sustains our own intra-family communication. It will be much more beneficial for families to organize activities that can continue to be together using digital technology. Especially in the father-child triangle, open space activities and puzzles where the mother and father will actively spare time for the child can be solved. Printed activities, book reading activities, can be produced at home using digital technology. I believe that this process will be overcome and we will return to normal. It is inevitable that this will have a social impact, especially on children aged 2-10.”