

Converted R22 Helicopter Completes First Unmanned Drone Test Flight

Robinson-22 helicopter, converted by UAVOS to unmanned drone, successfully completed in-air programmed missions. Its first flight, with a duration of more than one hour, was fully self-piloted reaching a height of up to 2200ft (670m). During the flight, all scheduled tests were performed including fully automatic take-off, en-route flight and landing. Tuning of UAV control settings was completed as well.

The components, manufactured by UAVOS, such as autopilot, servo drives, sensor system and additional backup power supply were installed into R22-UV helicopter.

During the conversion, the aircraft electrical system was upgraded, manual

control was removed, and the fuselage was altered for servo drives and components of the automatic control system installation. In addition, the pilot seats were removed and replaced by additional fuel tanks.

The converted R22-UV is an instrumental platform for future research and testing of various commercial options. In the scope of the next test flights, cargo delivery of up to 330lb (150kg) in the automatic mode is scheduled. Flights with duration of six plus hours using additional fuel tanks and a payload for monitoring the land

surface are also planned. Besides that, there are plans to check operational limitations of the UAV during night flights and flights under severe weather conditions. One of the top priorities is to test possibility of using spraying equipment and to check whether R22-UV fits for agricultural purposes.



Turkish Aerospace Debuts Multirole Heavy Combat Helicopter

Turkish Aerospace exhibited ANKA-AKSUNGUR and Multirole Heavy Combat Helicopter for the first time at the International Defense Industry Fair (IDEF) 2019, recently in Turkey.

Turkish Aerospace, which extended its product range and made a great impression in the international market, took part in IDEF'19 with ANKA-

AKSUNGUR, Multirole Heavy Combat Helicopter, T129 ATAK, GÖKBAY, ANKA and HÜRKUŞ. Moreover, a new mobile game application named "Operation ANKA" was launched for the first time at the show. The President and CEO Prof. Temel Kotil emphasised the importance of IDEF'19 and the role of Turkish Aerospace as Turkey's leading aviation

company in the defence industry.

He said: "We were aiming to revive our international customer potential at IDEF'19. Our full range of products including AKSUNGUR and Multirole Heavy Combat Helicopter, developed this year, of which we are very proud, were shown at IDEF. We feel proud to present in our country the full range of our products and studies, which are conducted in accordance with international standards and requirements. Turkish Aerospace will become more prominent in the international aviation and defence sector with its projects developed by domestic engineers".

