

## Indigenous sensors will change defence applications: DRDO

Indigenous development of sensors would play a great role and revolutionise applications like unmanned aerial vehicles (UAVs) for commercial and defence applications, Scientist and Chairman of Defence Research Development Organisation (DRDO) G Satheesh Reddy said Sunday.

Reddy, also the chairman of Aeronautical Society of India, said there was a huge transformation in the areas of unmanned systems and associated technologies.

"UAVs are going to play a major role in both defence and civilian sectors. So, there is an urgent need for industries to gear up and work in these areas," a press release from the Aeronautical Society of India quoted him as saying.

Reddy highlighted the contributions of DRDO to design and development of modern UAVs and said a contest 'Drone Olympics' would be organised by Ministry of Defence during the forthcoming Aero India event.

He was speaking at a national conference on 'Unmanned Aircraft Systems: Opportunities and Challenges' organised by the Society which also held its AGM (annual general meeting) here.

NITI Aayog member V K Saraswat, delivering a talk on the topic 'Artificial Intelligence (AI) in Aerospace 4.0,' said, "AI is one of the disruptive technologies, which is going to impact efficiency, productivity, speed and innovation in the emerging industries."

He said Aerospace 4.0 would include all features of AI in the next 15 years to cut cost and cycle-time of design, optimisation, simulation, prototyping, manufacturing, supply chain, maintenance and product updates.

Programme director, Agni-3, VV Rao said aerospace sensor technology would play a vital role in the futuristic unmanned systems.

He said the scenario was changing fast with the emergence of nano technologies and miniature embedded systems.

He added that unmanned systems would revolutionise agriculture, medical, space, defence and environment management.

Former chairman of ISRO AS Kiran Kumar and nearly 500 scientists, engineers, industrialists and professionals from the aerospace sector participated in the conference.

(This story has not been edited by Business Standard staff and is auto-generated from a syndicated feed.)

[https://www.business-standard.com/article/pti-stories/indigenous-sensors-will-change-defence-applications-drdo-119012700444\\_1.html](https://www.business-standard.com/article/pti-stories/indigenous-sensors-will-change-defence-applications-drdo-119012700444_1.html)

## Industry must focus on Unmanned Systems: DRDO Chief

Hyderabad: Calling for a greater private participation in building unmanned systems, Defence Research and Development Organisation (DRDO) Chairman and Secretary of the Department of Defence R&D, G Satheesh Reddy, indicated that the demand for unmanned systems is expected to rise with its increasing application in defence as well as civilian sectors. “There is a tremendous transformation taking place in the areas of unmanned systems and associated technologies. Unmanned vehicles are going to play a major role in both defence and civilian sectors. There is an urgent need for industries to gear up and work in these areas,” Reddy, who is also the chairman of Aeronautical Society of India, said while addressing participants at the AGM as well as National Conference on ‘Unmanned Aircraft Systems : Opportunities and Challenges’ at the IICT campus here on Sunday.

He also pointed out that indigenous development of sensors will play a major role in revolutionising applications like UAVs (unmanned aerial vehicle) for commercial and defence applications and will impact our daily lives in the future. Unmanned systems are expected to play an important role in areas such as agriculture, medical, space, defence and environment management.

VV Rao, Scientist and Programme Director, Agni, said, “Aerospace sensor technologies will play a vital role in futuristic unmanned systems. The scenario is changing fast with emergence of nano technologies and miniaturized embedded systems.”

Meanwhile delivering a talk on ‘Artificial Intelligence in Aerospace 4.0.’, Niti Aayog member VK Saraswat pointed out that AI is going to impact efficiency, productivity, speed and innovation in the emerging sectors. “Aerospace 4.0 is going to encompass all the features of AI in the next 15 years to cut down cost and cycle time of design, optimization, simulation, prototyping, manufacturing, supply chain, maintenance and product updates,” he added.

<https://timesofindia.indiatimes.com/business/india-business/industry-must-focus-on-unmanned-systems-drdo-chief/articleshow/67726826.cms>