

AERO INDIA STARTUP MANTHAN 2021

Event Highlights



5th February, 2021
0930 Hrs to 1200 Hrs IST



Chandan Singh Aerospace Convention Centre
(IAF Convention Centre), Bengaluru, Karnataka



DIGNITARIES



Hon'ble Raksha Mantri
Sh. Rajnath Singh



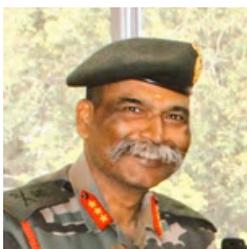
General Bipin Rawat
Chief of Defence
Staff,
Indian Defence



Dr. Ajay Kumar
Secretary,
Ministry of Defence



Sh. Raj Kumar
Secretary,
Dept. of Defence
Production



Sh. Lt. Gen. Shantanu Dayal
Deputy Chief of
the Army Staff,
Indian Army



Sh. Sanjay Jaju
Additional Secretary,
Dept. of Defence Production
CEO, iDEX - Defence
Innovation Organisation



Sh. Anurag Bajpai
Joint Secretary,
Dept. of Defence Production
Additional CEO, iDEX - Defence
Innovation Organisation

ORGANISERS

Sh. Vivek Virmani

Planning Officer, Dept.of Defence Production, Min. of Defence,
Chief Operating Officer, iDEX - Defence Innovation Organisation (DIO)

Sh. Mudit Narain

CTO, Office of the Principal Scientific Advisor, Govt. of India
Advisor, iDEX - Defence Innovation Organisation (DIO)

[Event Host & Master of Ceremonies]

Sh. Vish Sahasranamam

Cofounder & CEO, Forge (iDEX Partner Incubator)

ORGANISERS

DIO

Col. Arvind Kumar

Program Director, DIO

Cdr. Suchin Jain

Program Director, DIO

M N Saquib Khan

Program Executive, DIO

Abhishek Singh

Program Executive, DIO

Vishnoo Prathap Sa.K

Program Executive, DIO

Saurabh Boyar

Program Executive, DIO

Mallika Bhasin

Program Executive, DIO

Forge

Vignesh Radhakrishnan

Program Manager, Forge

Pratheep Chinnasamy

Program Associate, Forge

10

Startup Showcase

150+

Live Participants

20K+

Virtual Participants

15

DISC 4
Winners

11

iDEX4Fauji
Winners

9

Open Challenge
Winners



STARTUP WALKTHROUGH

10 Aerospace and Defence Startups showcased their products to Hon'ble Raksha Mantri



Sh. Rajnath Singh and other delegates interacted with the Aerospace & Defence Startups and experienced the demo of See-through Armour System on ICV-BMP 2



Skyroot Aerospace



Nyokas Technologies



Gurutvaa Systems



D-ESPAT

STARTUP WALKTHROUGH



Chipspirit Technologies



Tonbo Imaging



Big Bang Boom Solutions



Dimension NXG



Saif Automation Services



Torus Robotics

INAUGURAL SESSION



Presidential Address
Hon'ble Raksha Mantri, Sh. Rajnath Singh



Keynote Address
Sh. Raj Kumar, Secretary, DDP



Keynote Address
Dr. Ajay Kumar, Secretary, MoD



iDEX Dashboard (Grant Management Portal) was launched
by **Hon'ble Raksha Mantri, Sh. Rajnath Singh**

FELICITATION OF IDEX4FAUJI WINNERS



iDEX4Fauji

Felicitation of winners by Hon'ble Raksha Mantri

Army

Maj Anoop Mishra

Wall Penetrating Radar

Capt Rajprasad RS

Xploder – Unmanned IED Disposal ROV

Lt Col Anant Bhatt

Cervical Cancer Detection Using AI

Capt Vivek Ram HV

Autonomous Drone Based System

Capt Rajprasad RS

Tactical Surveillance & Reconnaissance System

Maj Vijendra Singh Yadav

Synthetic Training Environment

Navy

Lt Deepak Suman Kumar

Robotics in Maritime applications

Lt Cdr Alok Sahoo

Inspection of pipelines & ventilation trunkings

Lt Cdr Mayank Sharma

Design of portable compact system

Airforce

Wing Commander PK Mishra

Remotely Piloted Vehicle Range Extension

Group Captain Pushpinder Kashyap

Design of a Mobile Missile Testing Station

FELICITATION OF OPEN CHALLENGE 1.0 WINNERS



Open Challenge 1.0
Felicitation of winners by Hon'ble Raksha Mantri

Starbru Techsystems

Next gen communication over existing radio network

Hyper Stealth Technologies

Adaptive Stealth

Okulo Aerospace

Long Endurance Aerial Surveillance Platform

Avision Systems

Smart Loitering Munitions for Airforce and Navy

Tunga Services

AI-Based Compiler for verifying and optimizing mission-critical s/w

Newspace Research and Technologies Private Limited

Air-Launched Flexible Asset -Swarm Drones & High Altitude Pseudo Satellite

Fabheads Automation

High-performance Light-Weight Carbon Composite Helicopter Blades

FELICITATION OF DISC 4 WINNERS



Defence India Startup Challenge 4
Felicitation of winners by Hon'ble Raksha Mantri

CYRAN AI Solutions

AI based Satellite Image Analysis

Collaborative Intelligence

AI based Satellite Image Analysis

Skyroot Aerospace

Foliage Penetration Radar

Optimized Electrotech

Foliage Penetration Radar

Sagar Defence

Autonomous Underwater Swarm Drones

QED

Predictive, & Preventive Machine Monitoring

Flutura + Sunlux

Predictive, & Preventive Machine Monitoring

Exact Space Technology

Predictive, & Preventive Machine Monitoring

Mr Venkatanathan Natarajan

Prediction of Atmospheric Visibility

Puzzles India Technology

Prediction of Atmospheric Visibility

Oxygen 2 Innovation

Computerized Targets for Virtual Training

AATWRI Group Aerospace and Defence

Computerized Targets for Virtual Training

Mr. Swaroop Sahoo

Target Detection in Chaff Environment

Zeus Numerix

Reduction of RCS of Naval Warships

Av Garde Systems

Reduction of RCS of Naval Warships

VOICES AND VIEWS OF GLOBAL STAKEHOLDERS

Part 1



'Decoding the Key Success Factors of the AFWERX organizational and operating model'
Col Nathan P. Diller
Director, AFWERX, USAF



'Building and scaling a defence tech venture in/from India'
Ankit Mehta
CEO, IdeaForge



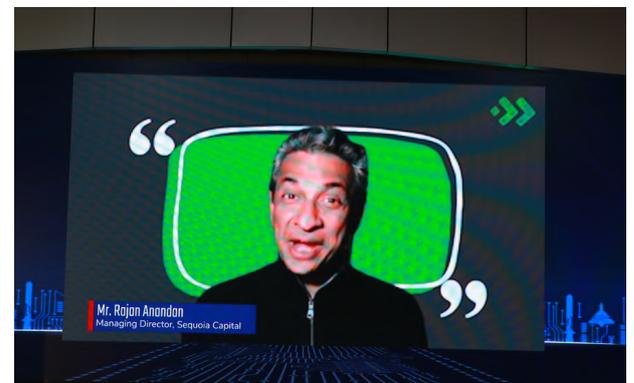
'Lessons & Inspirations from the Startup Nation'
Yoni Ben Zaken,
CEO and Founder, Cirrus Clouds Ventures, Israel



'Building Tech Unicorns in the Indian Defence & Aerospace sector'
Sh. Mohandas Pai
Chairman Aarin Capital & Manipal Global Education.



'Featuring 2/3 top case-studies from DIU'
Dr Matt Goldman
Director - Future Capabilities, DIU



'Defence & Aerospace: Final Frontier for Indian DeepTech Startups - Vision & Opportunities'
Sh. Rajan Anandan
Managing Director, Sequoia Capital and Surge

GOVERNMENT AND STARTUPS SYNERGY



Session moderated by **Sh. Sanjay Jaju**, Additional Secretary, Dept. of Defence Production



Sh. V.L Kantha Rao
Director General - Acquisition, MoD



Sh. Jayesh Ranjan
Principal Secretary, I&C and IT Dept.,
Govt of Telangana.

STARTUP SPOTLIGHT

Showcase of select 5 IDEX Winners (Innovators)



Flutura + Sunlux

DISC 4 - Predictive Preventive and Prescriptive Machine Monitoring



Optimized Electrotech

DISC 4 - Foliage Penetration Radar



Sagar Defence Engineering

DISC 4 - Autonomous Underwater Swarm Drones



Starbru Techsystems

Open Challenge 1.0



AVision

Open Challenge 1.0

VOICES AND VIEWS OF GLOBAL STAKEHOLDERS

Part 2



'Role of incubators in nurturing world-class technologies & seeding ventures in defence.'

Prof. B. Gurumoorthy
CEO, SID, IISc



'Looming over the horizon is India's Startup Decade'

Sh. Ramanathan Raman
Addl Secy, NITI Aayog, Govt. of India, and MD, AIM



Global Influencers Perspectives

Steve Blank

Renowned Global Entrepreneurship Guru & Adjunct Professor, Stanford University



Global Influencers Perspectives

John T. Chambers

Founder and Chairman, JC2 Ventures and
Chairman, USISPF



Global Influencers Perspectives

Prof. Sunil Gupta

Edward W. Carter Professor of Business,
Harvard Business School.

LEADERSHIP VIEWS FROM TRISERVICES



General Bipin Rawat
Chief of Defence Staff



Admiral Karambir Singh
Chief of the Naval Staff



Air Chief Marshal RKS Bhaduria
Chief of the Air Staff



General MM Naravane
Chief of the Army Staff

VALEDICTION



Valedictory Note
Sh. Vish Sahasranamam
CEO & Co-Founder, Forge



Startup Manthan 2021 organising team from **Defence Innovation Organisation** and **Forge**

[Left to Right : Sh. Vish Sahasranamam, Pratheep C, Vignesh R, M N Saquib Khan,
Sh. Vivek Virmani, Sh. Anurag Bajpai, Col. Arvind Kumar, Cdr. Suchin Jain, Abhishek Singh]



2021

AERO INDIA

The Runway to a Billion Opportunities

