





iDEX
DEFENCE
INNOVATION
ORGANISATION

INNOVATIONS FOR DEFENCE EXCELLENCE

Harnessing civilian talents for self-reliance in defence production



DEX has created an ecosystem to foster innovation and technology development in defence and aerospace by engaging industries including MSMEs, start-ups, individual innovators, R&D institutes and academia.

India as a nation is steadfastly moving towards achieving self-reliance in the field of defence and defence production. The concerted aim is to minimize dependence on imports as India today is the world's largest defence equipment importer and is expected to spend around USD 220 Billion in the coming decade to modernize its armed forces.

Innovation for Defence Excellence (iDEX) is a specialised team funded and managed by a Defence Innovation Organisation (DIO) and formed as a 'not for profit' company as per Section 8 of the Companies Act 2013. iDEX with its functional autonomy has been setting up and managing iDEX network in form of Independent Defence Innovation Hubs. It has organised various challenges and hackathons to shortlist potential technologies for defence and aerospace use. It facilitates scale-up, indigenization and integration in manufacturing facilities for successfully piloted technologies. It has capacity to evaluate newer technologies and products. And it is also an interface with the military top brass.



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SUCCESS STORIES



Pankaj Raut

Dimension NXG Pvt. Ltd. (Brand Name: AjnaLens)

Innovator: Pankaj Raut, Abhishek Tomar & Abhijit Patil

Technology Used: Augmented Reality Technology in Situation awareness

Innovation: See-through armour system for armoured vehicles.



Saif Automations Services LLP

Innovator: Ahmed Shaikh Abdeally Calcuttawala, Taher Calcuttawala and Aliasgar Calcuttawala

Technology Used: Unmanned Systems Technology, Long Range Radio Frequency Systems, Computational Hydrodynamics and Hull design Methodology

Innovation: Battery-operated self-propelled lifebuoy to remotely save lives in water.



Aliasgar Calcuttawala



SUCCESS STORIES



Harshad Dave

Gurutvaa Systems Pvt. Ltd.

Innovator: Harshad Dave

Technology Used: VCO/Synthesizer

Innovation: Counter drone system



Lekha Wireless Solutions Pvt. Ltd.

Innovator: Ramu T Srinivasaiah and Amarnadha Reddy

Technology Used: 3GPP based 4G technology

Innovation: Integrated eNodeB product suitable for macro and micro cell deployments.



Ramu T Srinivasaiah



