

National Technology Commercialization Program



Innovation in India

- Ranked as no. 1 Innovation destination in Asia
- 57th in Global Innovation Index (2018) in the world (GII)



SKILLED TALENT

India's talent pool of graduates in science & engineering **ranks 6th globally**



GLOBAL R&D HUB

40% of globalized R&D & engineering centers are in India outpacing global avg. growth



STARTUP CULTURE

2nd largest startup ecosystem and global leader in frugal innovation

AGNii: Accelerating Growth of New India's Innovations



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*National Technology Commercialization Program,
under guidance and support of the Principal
Scientific Adviser to Government of India*



Office of the Principal Scientific Adviser and
the Cabinet Secretariat have launched this
flagship initiative



Provides dedicated support for
commercialization of India's R&D and
innovations



Provides platform for innovators to bring
market ready products/ solutions to industry



*Prof. K. VijayRaghavan
Principal Scientific Adviser*

Bridging the Gap



AGNii's Services



For the Innovator

(Individuals and Institutions)

- ❖ Incremental Market Access
- ❖ Technology Showcase
- ❖ Industry Visits
- ❖ Sponsored Research Queries
- ❖ Showcase on Social Media
- ❖ Listing on Digital Repository



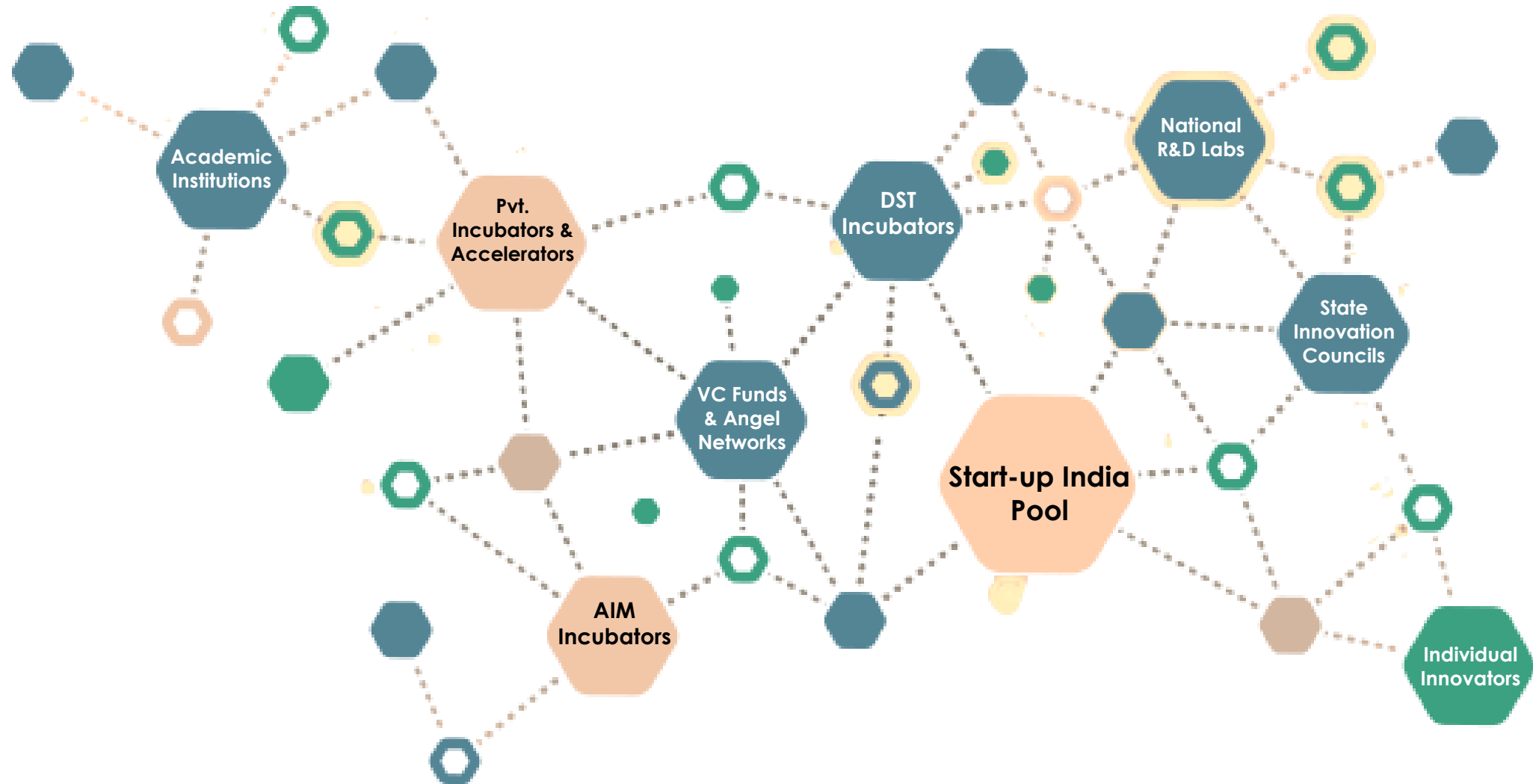
For the Buyer

- ❖ Access to Digital Repository
- ❖ Open Innovation Challenges
- ❖ Technology Showcase Events
- ❖ Collaborative Research with Academia
- ❖ Pipeline for Investment Arms
- ❖ Pipeline for Startup Accelerator Programs

Extensive Network



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Open Innovation Model

		Partner	AGNii
STEP 1	Sector Identification & Problem Statement Finalization	☒	☒
STEP 2	Defining Incentives / Outcomes for Winners (e.g. : Pilot Opportunity, Early Orders, Funding, Acceleration, Incubation)	☒	☒
STEP 3	Creation of Online Platform & Launch of Challenge (i.e. Invite Solutions to Problem Statements Defined in Step 2)	☐	☒
STEP 4	Marketing of Open Innovation Challenge (e.g. : Social Media, Digital Outreach, Vast Innovator/Startup Network)	☒	☒
STEP 5	Evaluation of Solutions (to be reviewed by expert committee pre-decided by partners)	☒	☐
STEP 6	Announcement of Winners	☒	☒
STEP 7	Commencement of Commercialisation Route (as per incentives defined in step 2)	☒	☐

Open Innovation Successes



Focus Areas:

AI, Cyber Security, Automotive, Agri & Food, Mobility, Water, Pollution, Sanitation, Clean Tech, AI/ML, AR/VR, Health, Education, Defence etc.

Support Offered:

Designed the challenge
Built and Executed an Outreach Strategy

Outcomes Achieved:

Every corporate partner offered at least one of the below to 1-3 innovators in each open innovation focus area:

- ☐ Pilot
- ☐ Incubation
- ☐ Licensing
- ☐ A business order (market access)
- ☐ Funding
- ☐ Access to R&D facility

Support Offered: Designed the challenge, built and executed an outreach strategy



Problem Statement: Electrified public transport to improve mobility and new and physical infrastructure standards for LEV battery swapping in India

AGNii Startups Supported: 2



Problem Statement: Innovative water solutions to increase in-store and household water efficiency and access

AGNii Startups Supported: 4



Problem Statement: Early diagnosis and effective management to improve healthcare quality

AGNii Startups Supported: 4

Climate KIC & Launchpad



Climate-KIC

- EIT Climate-KIC is a knowledge and Innovation Community (KIC), working to accelerate transition to zero – carbon economy
- Hunts for top technologies in clean energy from across the globe and helps commercialize them in Europe



Climate Launchpad

- AGNli was the outreach partner for Climate Launchpad, India Chapter of Climate-KIC
- Outreach: One-on-one calling/emailing to about 250 startups of which 58 applied (during MCOC)
- Outcome achieved: Climate Launchpad is offering incubation support to **22+** Startups (out of 58)



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Case Studies

Fat Cat Solar Panel Cleaning Robot

Technology from India

DESCRIPTION

- Automated solar panel cleaning robot
- Operates on time based cleaning schedule
- Equipped with Rain, Dust and Obstacle sensors
- Operated using mobile app

BENEFITS

- Dry cleaning technology helps in saving gallons of water
- Option of wet cleaning available where layers of dust is high
- Pro-active maintenance by identifying “hot spots” to reduce the turn around time for replacement of solar panels
- Capabilities to self-program cleaning cycles based on weather data



DESCRIPTION

- DanSolar offers high quality, high performance air cooling and air conditioning solutions using solar panels
- Products: Air Heaters, Air Coolers, Solar Parks, Solar Cooling Containers
- Received global patent for using solar panels for air cooling and air conditioning

BENEFITS

- Businesses will be able to stabilize their energy supply
- Power cuts for hospitals, schools and universities will be reduced

They are interested in collaboration with Indian companies for commercial production.





New India is Open for Innovation



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