

EngSUI – EIL's Startup India Initiative

Engineers India Limited (EIL) actively supports the startup ecosystem through strategic initiatives designed to cultivate innovation and entrepreneurship.

Our initiative, EngSUI, aligns with the Government of India's vision to create a conducive climate for startups to grow through innovation and financial support.



EIL Funded Startups



































Delivering Excellence Through People

Key Components of EngSUI

Focus Area

- Development of new processes and technologies in areas of interest to the hydrocarbon sector.
- Developing capability to commercially manufacture and supply hardware for oil & gas technology.
- Information Technology (IT) & Industrial Internet of Things (IIOT) interventions relevant to the hydrocarbon sector.
- Other areas: Areas in Lube Packaging, Renewable Energy & Storage, Nano Materials, Engineering Plastic from Petro
 Chemical Product Slate, Waste to Energy, Replacement of Raw material/ Catalyst, Bio Fuels, Net Zero, Health, Safety
 and Environment.

Key Components of EngSUI

Project Categories

Innovation Challenge

- Any Resident Indian citizen, student innovator can participate
- Support to develop novel idea into demonstrable models/prototypes
- Funding up to Rs. 20 Lakh

Seed Fund

- Start-up entities who have successfully demonstrated proof of concept
- Support to scale up the prototype
- Valid DIPP/DPIIT Certificate
- Funding up to Rs. 100 Lakh

Direct Equity Funding

- Startup entities who have successfully demonstrated marketable product/process
- Valid DIPP/DPIIT Certificate
- Funding up to Rs. 500 Lakh

Equity Funding: through Host Institution

Equity Funding:
without Host
Institution



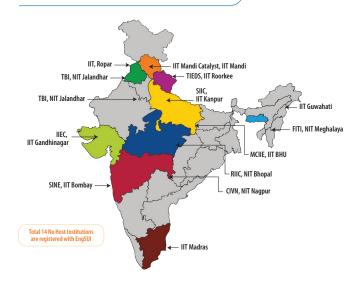
EngSUI – The Journey So Far

	7 round of Funding 31 Startups being funded
2022	Sanctioned Rs. 10 Cr. for 3 Years starting FY23-24 & Approval for Equity Investment
	Registered 4 NITs
2020	Sanctioned Rs. 10 Cr. for 3 Years starting FY20-21
	Registered 9 IITs
2017	Sanctioned Rs. 15 Cr. for 3 Years starting FY17-18
	Launched EngSUI Web Portal
2017	MOP&NG Startup initiative in EIL "EngSUI"

Projects completed: 13 Under progress: 14 MOA under execution: 4

Seventh Round: 4 Nos.	2024
Sixth Round Projects: 2 Nos.	2023
Fifth Round Projects: 3 Nos.	2022
Fourth Round Projects: 6 Nos.	202 I
Third Round Projects: 5 Nos.	2019
Second Round Projects: 6 Nos.	2018
First Round Projects: 5 Nos.	2017

Host Institutions Registered with EngSUI



EngSUI: Web Portal

STARTUP INDIA



Glimpses of some of the successful startups funded under EngSUI

Prototype for Water Extraction from Atmosphere

Using Carbon nano brushes for accelerated condensation, Modular filter cartridges to make water potable, Solar power enabled.

Category: Seed Fund, Fund: Rs. 85.00 Lakh, Status: In progress









400 LPD Atmospheric Water Generator (IIT Madras)



2000 LPD AWG with solar power installed at EIL, Gurugram

Development of Industrial Scale Nanofiber Spinning Machine

Development of continuous nanofiber production line for various filtration application like Air Filters, Apartment Filters, A/C filters, Membranes, Nano Fiber Composite Material, Artificial Bones and Tissues, Automobile Filters.

Will produce Nano Membranes which will also be used for manufacturing of N-95 & N-99 masks and other products.









Use of Solid Waste for Energy and **Cleaner Technologies Generation (SSF Reactor)**



Uses agriculture waste as substrate to produce Enzymes i.e. Phytase (Animal Feed), Protease (Leather Industry), Amylases (Pulp and Paper Industry), Cellulases (Brewing). These Specialized enzymes will replace harsh chemicals in traditional processing of biomass.









Hon. PM Interacting with Start-up at Uttarakhand Investors Summit, Dehradun

Development of fuels via hydrothermal liquefaction of biomass and Municipal Solid Waste

Lab scale setup of SSF reactor with instrumentation







1-2 L batch POC

Quality of the products - crude oil, char and aqueous phase established through lab characterization



100 L batch

X-Crude and its blends with diesel tested successfully @ 5-10 vol% for power generation applications



500 LPD continuous pilot (Jointly working with IITM with the support of DST) X-Crude to be blended with petroleum crude in 5-10% and tested in TBP in refinery

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