



Transformation | Sustainability | Create Impact



**FINDING SOLUTIONS FOR
YOUR MANUFACTURING
CHALLENGES JUST GOT
EASIER**



WHAT IS MANUVATE?



Manuvate is a complements of INCIT platform eco-system, as a catalyst of transformation for manufacturer to drive production and drive Net Zero



Initiates collaboration via a structured and systematic procedure. Match making happen between problems and solutions.



Serves as a platform to accelerate the momentum of **Industry 4.0 transformation journey**



Enables manufacturers to solve operational problems and processes by engaging a global community of innovators



ARE YOU FACING ANY MANUFACTURING CHALLENGES?

Do I tap on the right resources to help me solve my manufacturing problems?

As an innovative manufacturer, what are my possibilities to encourage idea generation leading to innovation in my organization?

How can I access reputable multidisciplinary innovators, as well as start-ups to get the most innovative solutions to my problem statement?

How do I apply Clean-Tech fostering sustainable manufacturing processes?

How can I solve my Industry 4.0 challenges in order to reach the next level of productivity and digital transformation?



WHY MANUVATE?

MANUVATE SUPPORTING MANUFACTURERS ON THEIR INDUSTRY 4.0 / SUSTAINABILITY TRANSFORMATION JOURNEY

For Manufacturer (The Seekers)

- Finding the solutions by using crowdsourcing principle. 2.
- Guided platform & identify the right match by challenges' categories. 1.
- Enable the right technology, access reputable innovators & start-ups.
- Enable access to global innovators & adopt the innovation locally.
- Address Industry 4.0 production and sustainable related challenges in one platform.

For Specialist (The Manuvators)

- While the Seeker formulate the challenges they face, the Manuvator provide solutions for them.
- Enable access to international business leads and build portfolio by providing solutions.
- Expand without physical sales point establishment.
- Receive awards by winning individual challenges with your formulated innovation.
- Recognize the trends and requirements in the current manufacturing industries.

MANUVATE PLATFORM ECO-SYSTEM

Seekers
(Manufacturers
with challenges)

**Industry 4.0 and
Sustainability**
Categories
Disciplines

ManuVators
(Consultant
with solutions)

**12 main
standard pavilions**

Industry 4.0 and Sustainability categories	
Advanced Manufacturing	Paper Industry
Chemical	Pharmaceuticals
Energy	Metals & Mining
Electronics	Textile & Leathers
Fast Moving Consumer Goods	Transportation
General Manufacturing	Utilities
	others

- Manufacturing challenges categorized into 12 main pavilions.
- Manufacturers publish their problem/challenges under a pavilion to indicate certain domain expertise needed for the problem to be solved.

**22 main
disciplines**

Industry 4.0 and Sustainability disciplines	
Artificial Intelligence	IOT Enablement
Asset Optimization	Organization Structure
Automation	Overall Equipment Efficiency (OEE)
Blockchain	Product Lifecycle
Clean-Tech Net Zero	Quality Management
Connectivity	Research & Development
Data Analytics & Machine Learning	Startup Business Model
Digital Assurance	Talent readiness
Edge Computing	Supply Chain/ Intra-Logistics
Factory design & Production Layout	Sustainability
Horizontal Integration	Vertical Integration
	others (collector)

- For Seekers or ManuVators to indicate which discipline they are passionate in.
- The discipline indicated in the user profile will be used to pair with the problems/challenges' discipline category.

- **Closed Pavilions Setting** – by using Manuvate, companies or government associations can setup restricted group focus local manufacturer, engineering companies, and start-ups.
- **Hybrid Pavilions do exist** – this is for country specific manufacturing community but open for global ManuVators as local technologies might not exist yet.

ONBOARDING AND AWARD STRUCTURE



GENERAL WALK THRU OF MANUVATE PLATFORM

1

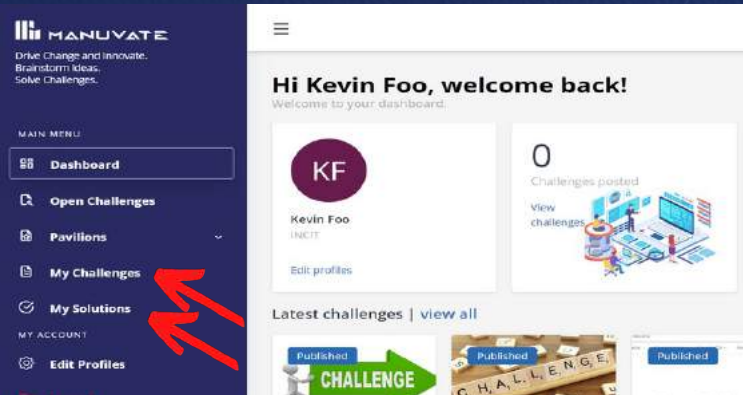
Creating an account is the first step to using the platform. You can decide whether be either Seeker or Manuvator

2

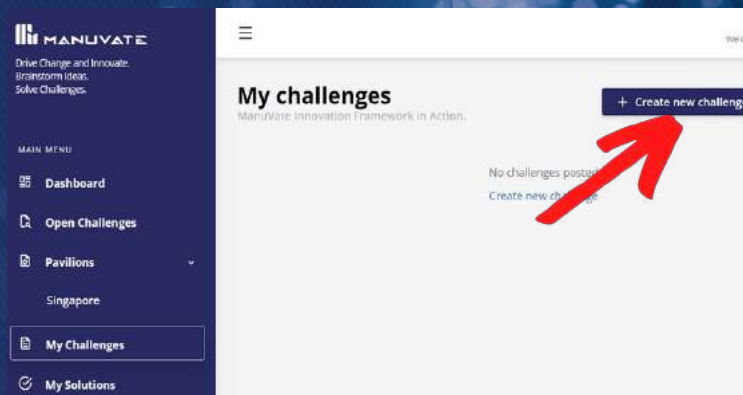
After creating an account, users can easily post questions/challenges or provide solutions

3

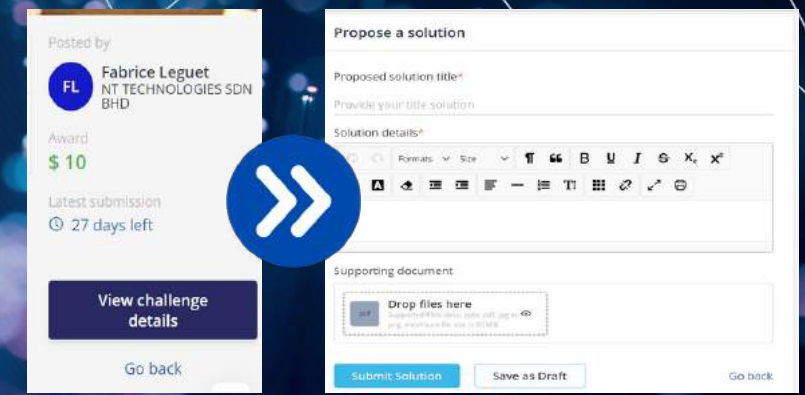
If you are Manuvator (solution provider), you can click on the challenges shown on the main page and propose solution.



On the left side of the portal, you can easily navigate between challenges and solutions as well as the main dashboard view.



After select the "My Challenges", you will see "Create New Challenge" button on the top right corner for you to create challenges/problem statement.



Click on the challenges on the dashboard page. Then select the view challenge details and then propose for solution. You can upload PDF document over here too.

WHY PROBLEM STATEMENT IS IMPORTANT & HOW TO FORMULATE CHALLENGES

4 Types of Innovation – by Greg Satell (HBR.ORG)

How well is the problem defined?

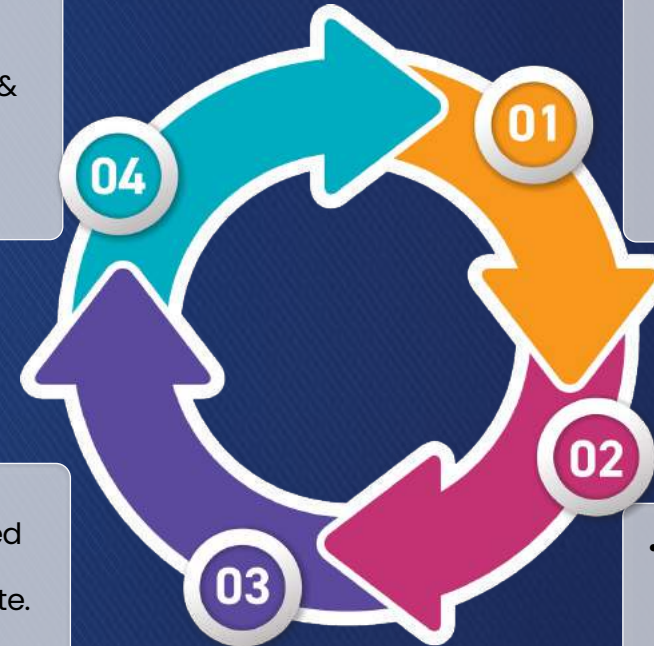
Well	BREAKTHROUGH INNOVATION Mavericks Skunk Works Open innovation/prizes	SUSTAINING INNOVATION Roadmapping R&D labs Design thinking Acquisitions
Not well	BASIC RESEARCH Research divisions Academic partnerships Journals and conferences	DISRUPTIVE INNOVATION VC model Innovation labs 15%/20% rule Lean launchpad
	Not well	Well

How well is the domain defined?

Leaders identify the right type of strategy to solve the right type of problem, just by asking two essential questions: how well we can define the problem and how well we can define the skill domain(s) needed to solve it.

- Specify the award amount.
- Specify the latest submission date.
- Select the industry 4.0 categories & sector that represent the challenge & your company.
- Post the challenge after acknowledge the T&C.

- Explain the background, facts, and figures required to fully understand the problem and current state.
- Adding in the details by using the 5 Why cause analysis method (the Who, What, When, Where, and Why).
- Describe clearly what is your target goal.



- Define the visibility of your challenge, the option includes public (visible to everyone) and pavilion (users from same country can view).
- Then insert the challenge title.

- Insert the challenge description by explain the problem and gain the attention of the target group. It outlines the negative points of the current situation in brief. Should focus on the problem.



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in International Centre for Industrial Transformation (INCIT)