

MANI Aerospace Announces TEAM SIMHA for Reusable Rocket Development with Cryogenic Propulsion



Vizianagaram, Andhra Pradesh Sep 29, 2026 ([Issuewire.com](https://www.issuewire.com)) - MANI Aerospace Announces TEAM SIMHA for Reusable Rocket Development with Cryogenic Propulsion

MANI Aerospace, a subsidiary of **MANI Market Private Limited**, has announced the formation of **TEAM SIMHA**, a dedicated engineering and research team focused on the development of a **reusable rocket system powered by a liquid cryogenic engine**, with a targeted technology-development objective before 2030.

TEAM SIMHA will focus on key areas of reusable launch-vehicle technology, including **liquid cryogenic propulsion, propulsion-system integration, vehicle guidance and control, aerodynamic systems, structural engineering, recovery technologies, and controlled vertical landing systems**.

The initiative represents MANI Aerospace's effort to develop capabilities in advanced launch-vehicle technologies through systematic research, engineering design, computational analysis, simulation, subsystem development, testing, and technology demonstration.

Nangireddy Manikanta, Founder and Project Director of MANI Aerospace, will lead the overall direction of the TEAM SIMHA program.

About MANI Market Private Limited

MANI Market Private Limited is the parent company of MANI Aerospace and serves as the corporate organization supporting the group's technology, research, innovation, and business initiatives.

The company operates from its registered office at:

Registered Office:

Kuntinavalasa Village, Mentada Mandal,
Vizianagaram District, Andhra Pradesh – 535580, India

CIN: U58130AP2026PTC127065

GST: 37AAVCM2351A1ZI

Through MANI Aerospace, the company is pursuing research and development initiatives in advanced aerospace technologies, propulsion systems, reusable launch vehicles, and future space-transportation systems.

About MANI Aerospace

MANI Aerospace is a subsidiary of **MANI Market Private Limited** focused on aerospace research and development.

Its areas of focus include **rocket propulsion, launch-vehicle systems, reusable aerospace technologies, aerospace engineering, vehicle recovery systems, and future space-transportation technologies.**

About TEAM SIMHA

TEAM SIMHA is the dedicated technical team established under **MANI Aerospace** for the reusable rocket development initiative.

The team will conduct research and engineering activities related to the development of a reusable rocket platform, with particular emphasis on **liquid cryogenic propulsion, vehicle control, recovery systems, and controlled vertical landing technologies.**

The program has established **before 2030** as its targeted timeline for advancing the core technologies associated with the reusable rocket development initiative.

Organization Details**TEAM SIMHA****MANI Aerospace**

A subsidiary of MANI Market Private Limited

FOUNDER ,CEO AND PROJECT DIRECTOR : NANGIREDDY MANIKANTA

Parent Company: MANI Market Private Limited

Registered Office: Kuntinavalasa Village, Mentada Mandal, Vizianagaram District, Andhra Pradesh – 535580, India

CIN: U58130AP2026PTC127065

GST: 37AAVCM2351A1ZI

Program: Reusable Rocket Development

Propulsion Focus: Liquid Cryogenic Engine

Target: Technology Development Before 2030

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Source : MANI Aerospace A subsidiary of MANI Market Private Limited

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