

VEER: Pravaig's Bold "Leap of Faith" in Defence



Trials in Ladakh (Photos by Pravaig Dynamics)

In the evolving landscape of defence technology, innovation plays a crucial role in shaping the future of military mobility. We had the chance to sit with Siddhartha Bagri, the CEO of Pravaig, a Bharat based deep tech mobility company, to discuss the VEER—the world's first electric tactical all-terrain vehicle for the military that has won the IDEX award. By challenging the long-standing dominance of traditional Internal Combustion Engine (ICE) platforms,

operationalised one! In 2023, General Motors Defense also unveiled the Electric Military Concept Vehicle (eMCV), a military adaptation of the GMC Hummer EV. However, while its American counterpart awaits deployment, VEER is already deployed by the Indian Armed Forces, offering unique advantages. So what are those?

Firstly, in military operations, stealth is crucial—and what's better than a platform that produces zero noise? Only an EV can naturally achieve this. The vehicle can navigate tough obstacles, such as steep inclines and deep ditches, all while remaining silent.

Secondly, unlike ICE-equipped vehicles, an EV's body reflects a negligible heat signature. This makes it difficult for electro-optical/FLIR pods to detect it. During trials in Ladakh, three ATVs—Pravaig VEER, SHERP/JSW ATOR N100 and Polaris RZR 1000—were lined up and tracked



Siddhartha Bagri, the Co-founder and CEO of Pravaig Dynamics.

can VEER bring a paradigm shift with its advantages? We take a look at a first-of-its-kind innovation globally, emerging from India.

Pravaig's Military Bet

While electric vehicles are slowly becoming a favourite in the civilian market due to their long-term cost efficiency, an EV for defence purposes was previously unheard of. However, Pravaig has not only introduced but also



by a FLIR pod equipped helicopter from 4 distances. The VEER remained invisible in footage recorded at 2 of the longer ones, while the "hot" blips of the ATOR and Polaris were very easily detectable. It was only in extremely close range that the VEER could be spotted as another vehicle on the camera.