



VENTRAGEN

**VENTRAGEN TECHNOLOGIES
PVT. LTD.**



AIC-PINNACLE
INNOVATION | INCUBATION | INVESTMENT

Supported by:
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CONCEPT

Every power train delivers power equal to or less than input power given to it. However Ventragen Technologies have developed power transmission method and systems that are capable to harness gravitational energy in output shaft during power transmission process resulting in increased power output and efficiency upto 1.5 time to its existing output.

MARKET OPPORTUNITY

As most of the developed and developing countries have decided to go with renewable energy sources in order to reduce carbon emission. This revolution has opened opportunities for renewable energy generation, Energy storage systems, and electric vehicle market. Battery energy storage system market is expected to grow from USD 2.0 billion in 2018 to reach USD 8.5 billion by 2023. The Electric Vehicles Market is projected to reach 26,951,318 units by 2030.

BUSINESS MODEL

Design, develop and manufacture mechanical pulsed power transmission devices, systems based on requirements from OEMs.

PROBLEM & SOLUTION

Problems:

1. Renewable energy generation: Renewable energy sources cannot generate power for 24 hours due to intermittency energy sources like wind, and solar and hydroelectric plants are costly to build.
2. Energy storage: Pumped hydro, gravity based, molten salt based, liquid air based and the lie systems has lower overall efficiency and less energy dense.
3. Electric vehicle: current electric vehicle market is facing range anxiety problem, range to weight issues due to battery weight, and less-efficient hydrogen generation technology.

Solution: We have developed devices, and systems which can be coupled to any power train. Our solution will harness gravitational energy during power transmission process in output shaft and increases overall power output upto 1.5 times to its exiting output.

VALUE PROPOSITION

Ventragen transmission is capable to increase system efficiency up to 50% due to its unique patented power transmission method resulting in delivering up to 50% more profit may be in the form of long running range of vehicle, extra mileage to fossil powered machineries, land required to install high capacity plant, compact size, saving in total cost, less carbon emission and the like.

CURRENT TRACTION

We have a working prototype. We have also filed patent at international and domestic level. We have received search report and it has been accepted for its newness and innovative concept.

KEY PEOPLE

PANKAJ ATTARDE, CEO & FOUNDER, SAURABH CHAUDHARI, CTO & CO-FOUNDER