



Abhishek Dhar achieve the International Train Award

"**Abhishek Dhar**, student of 4th year Mechanical Engineering has achieved the International Train Award for his "Solar Electromagnetic Train Project".

The entire project was submitted in the 2nd International Railway Vehicle Industrial Design Forum 2016, hosted by CRRC Qingdao Sifang Co., Ltd, Shandong, China.

The project was listed in world Top 38 entries in this competition. The project Work is published in the "Forum Commemorative Book", China.

The student shared his thought on this project . The idea came when he was in the 7th semester. Ideas and concept on various projects were discussed by faculty members. Their discussion inspired him to do some innovative works. The faculty members also helped help him to think differently. He realised that, always position does not matter, but what matters is how big you can imagine and have the potential to do great work. In a philosophical note he also mentioned at the end of our life, we will all be remembered for what we have done for the entire civilization.

He conceptualised that, if we can store the solar energy from the sun throughout entire track of the train then we can get adequate energy to run the train which runs inside a semi vacuum tube. The train accelerate and decelerate through electromagnetic force. The entire train hovers over the track due to electromagnetic repulsion. So the entire train runs as per the law of electromagnetism. He created the situation to run the train as if it is running in space where there is no air to produce frictional drag, no gravity to pull it and no friction to waste the energy input. So it's a high efficient train. The electricity produces from the solar panels are stored in a battery, which is inserted below the track and supplied to the entire system. The system is active only where the train moves. Hence the high speed train train produces 0% pollution.

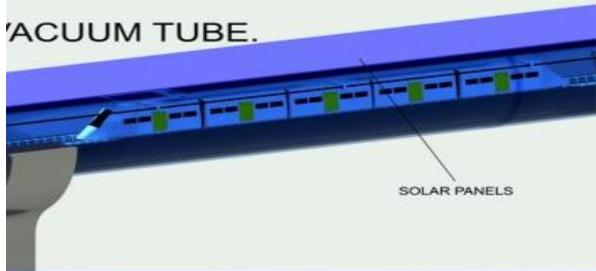
SOLAR ELECTROMAGNETIC TRAIN



EMAGNETIC
(SET)

SOLAR ELECTROMAGNETIC TRAIN (SET)

VACUUM TUBE.

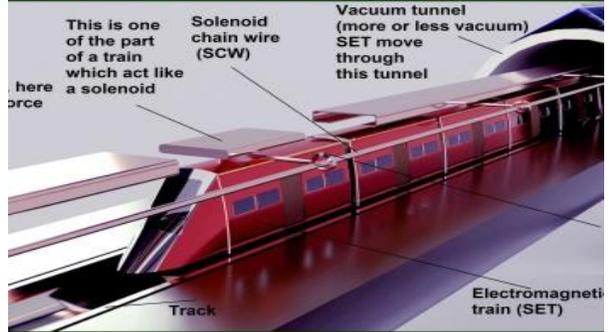


SOLAR PANELS

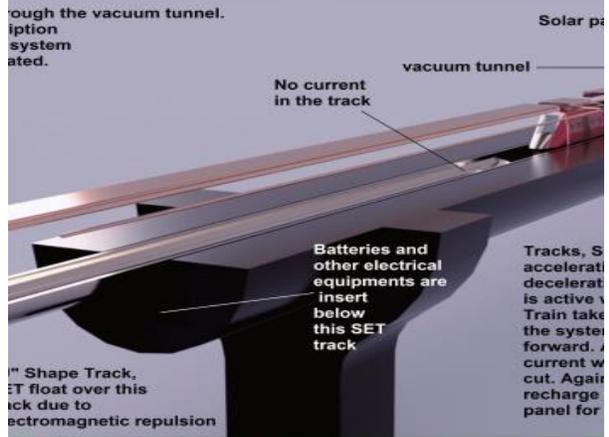


INTERIOR OF THE TRAIN (SET)

MODEL SOLAR ELECTROMAGNETIC TRAIN (SET)



VISUAL DESCRIPTION-1



VISUAL DESCRIPTION-2

