



HYBRID SOLAR WIND TURBINE

MANUFACTURED BY

M/S IYSERT ENERGY RESEARCH PRIVATE LIMITED

IYSERT TOWER 31 32 KALWAR ROAD JAIPUR 302012

WWW.IYSERTENERGY.COM



Iysert Energy Research Private limited is one the premier NATIONAL AWARDED “DR BR AMBEDKAR BUSINESS EXCELLENCE AWARD” BY GOVT OF INDIA ON 14 APRIL 2022 , New Delhi Micro Solar and wind turbine Manufacturing company ,well established manufacturing Facility In Jaipur Rajasthan , developed Indian Made revolutionary products in the field of wind and solar

- Solar Inbuilt Street Light (Models from 15w – 100w) For street Lightening ,
- Solar Camera (for Indian army and Surveillance) ,
- Solar Tree (Ranging from 500w to 10 kw) for Smart City projects
- Solar Bench , Solar Jackets for Indian Army
- Solar Micro Grid Lithium based technology ,
- Micro Vertical Axis Wind turbine from 500w to 10 kw .
- IYSERT has completed more than 1100 remarkable successful projects for client like TATA , SHREE CEMENT , INDIAN RAILWAYS., INDIAN ARMY , DRDO ,ISRO , DFC METRO PROJECT , Tourism Department Government of India and Our Products are approved with BIS , DRDO , INDIAN ARMY , RITES , NABL



IYSERT MANUFACTURING AND R&D CENTRE OF EXCELLENCE



SOLAR
JACKETS
SMART
SOLAR
POWER
BACKUPS

SOLAR
INBUILT
STREET
LIGHTS

SOLAR
POWER
CAMER
WITH 4GE

MICRO
GRID
WIND
TURBINES

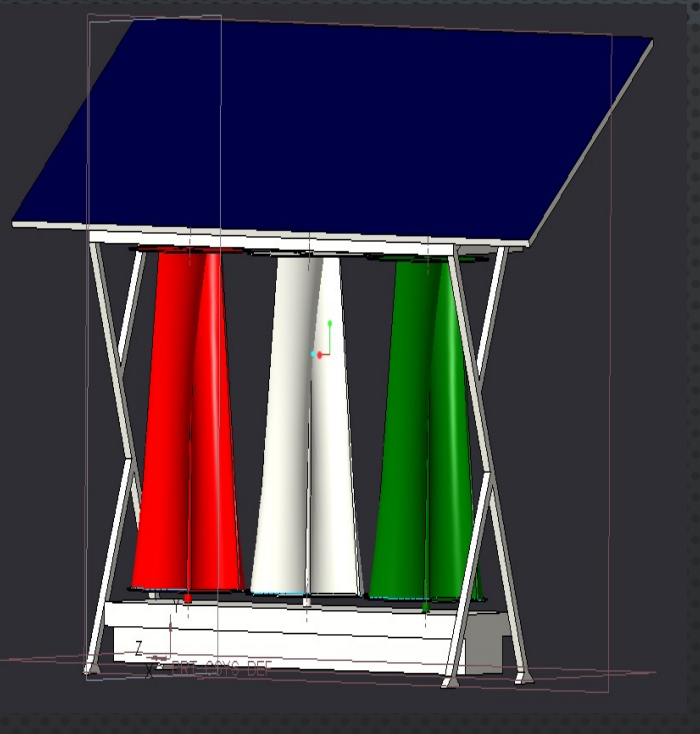
SOLAR
WIND
HYBRID
POWER
PROJECTS

SMART
SOLAR
POWER
TREE



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HYBRID SOLAR WIND TURBINE



Best Innovative
technology Make in
India

PMG -INDIAN MADE
BLADES-INDIAN
MADE
BODY -INDIAN
MADE

Model
manufacturing from
500w to 10 kw
Blades made of
Aluminium

Wind Turbines Starts
@ 3m/s generation at
9m/s

Hybrid Portable wind
power system with
battery backup
work in any type of
climate



TYPE OF WIND TURBINE MANUFACTURED BY IYSERT



SOLAR WIND HYBRID OFF GRID

[Model Range 500w-10kw]



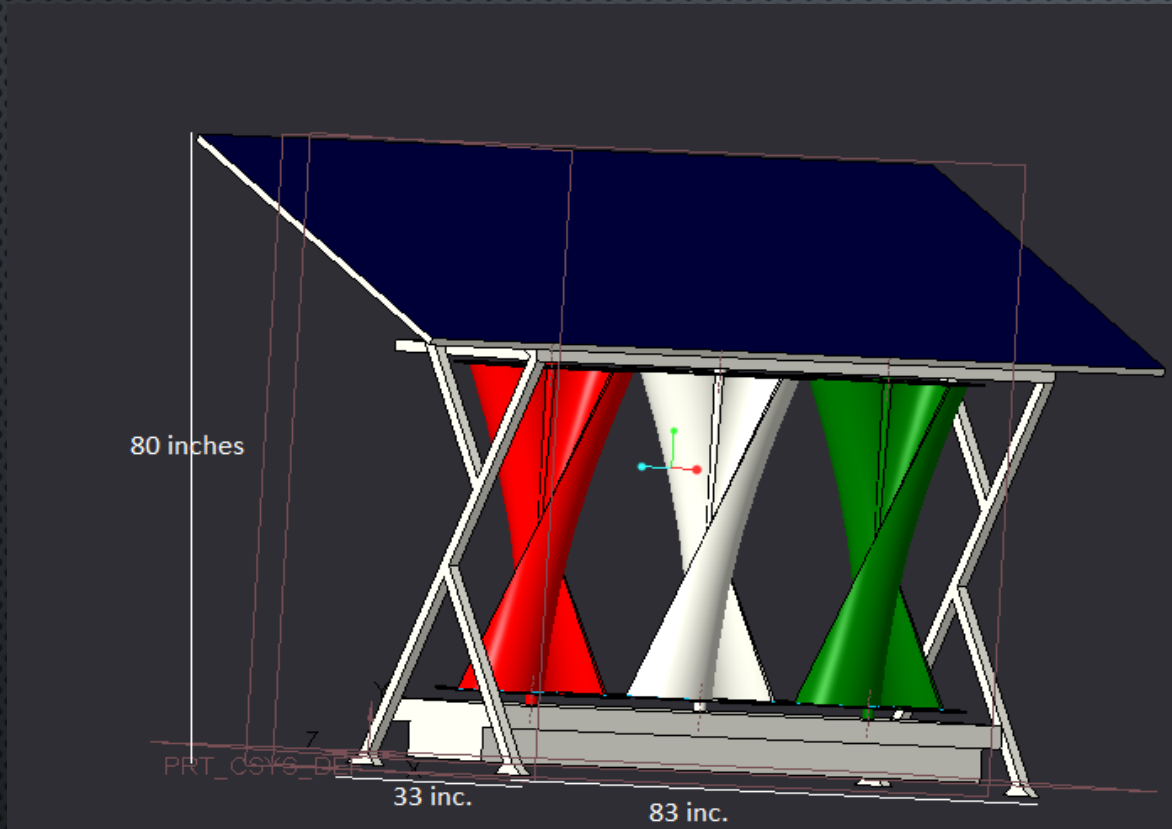
IAWT ROAD SIDES
Model 300w-1kw



VAWT for Roof top / Ground Tower
500w to 10kw (off-grid)

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SPECIFICATION OF WIND MILLS



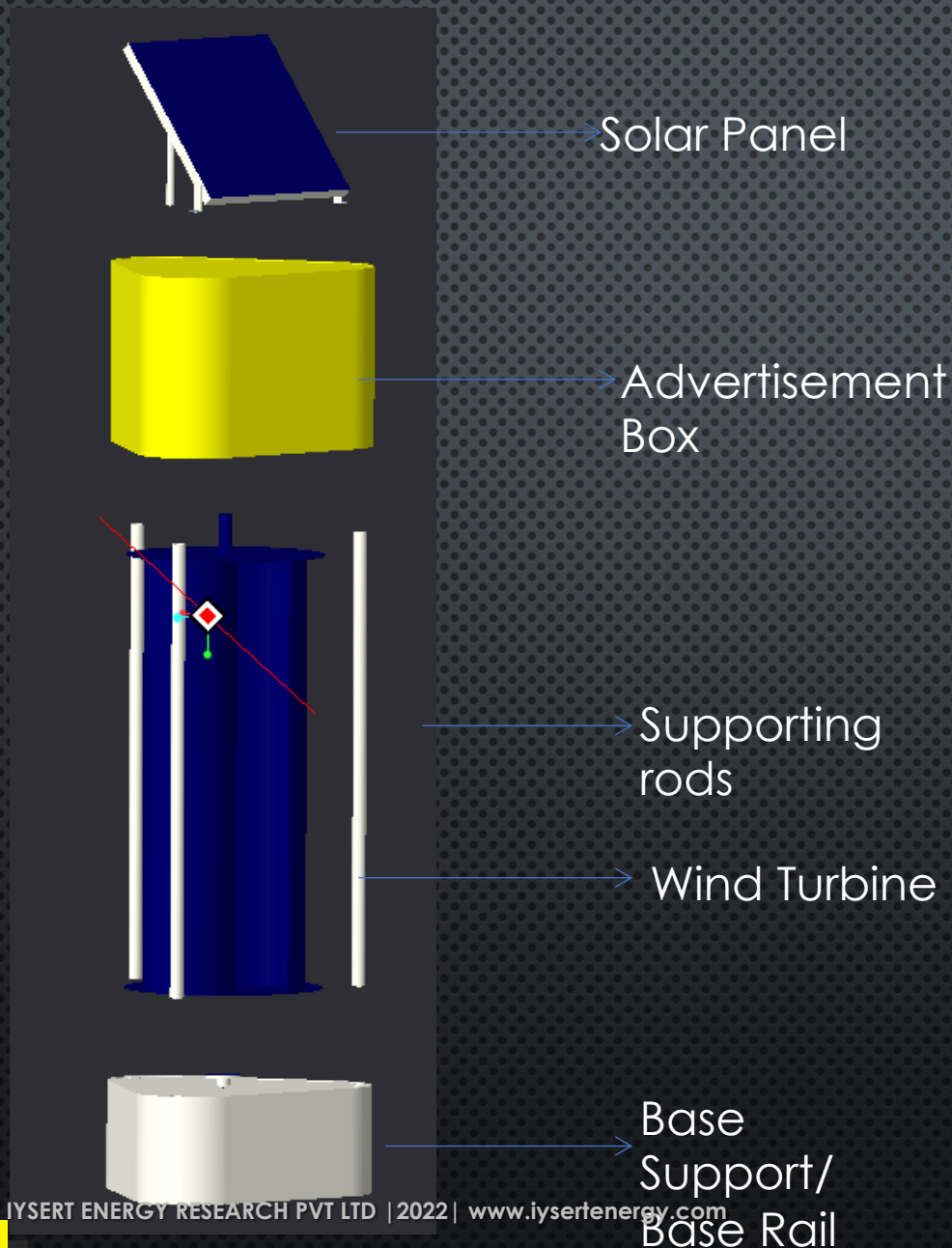
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BASIC Wind Components

Permanent Magnetic Generator	IYSERT 500w W @ 09m/s
Wind Components Maximum Power Output	500 W @ 09m/s
RPM Power Generation	200 rpm / 12v/24VDC
Maximum Voltage	56 VCD
Maximum Current	20Amps
Rotor Diameter	20 CM
Blade size	100cm
Blade Thickness	1.5 inch
Cut-In Wind Speed	4.5 mph 2 m/s
Cut-Out Wind Speed	38 mph 18.5 m/s
Turbine Material	Blade -Aluminum with anodizing Body of turbine -MS/SS
Country of Origin	Made in Bharat

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>>Delivers Future Energy

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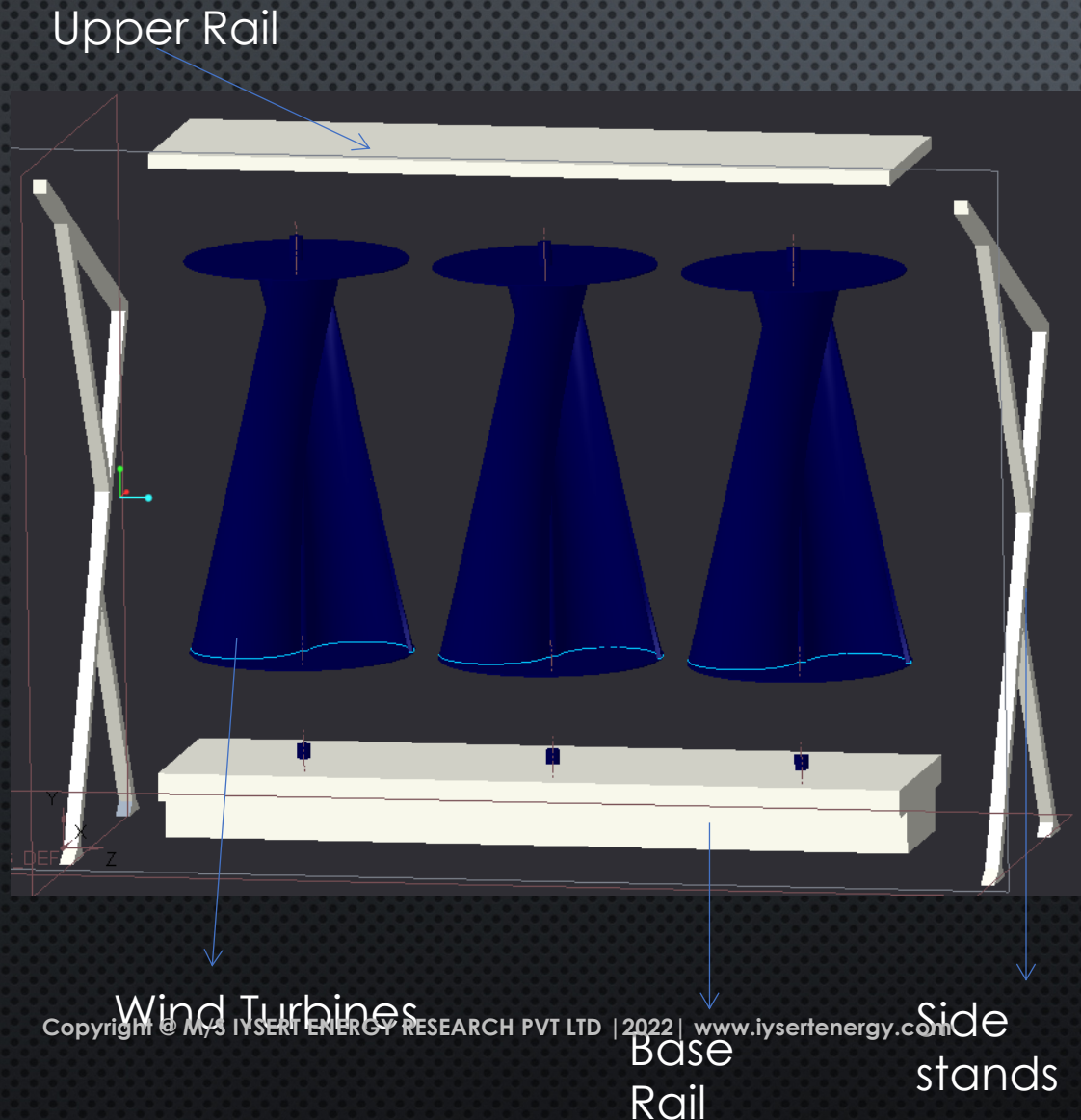


Solar Component

SOLAR MODULE	Compatible side 50w/12v / 100w/12v
Permanent Magnetic Generator	IYSERT 500w W @ 09m/s
Wind Components Maximum Power Output	500 W @ 09m/s
RPM Power Generation	200 rpm / 12v/24VDC
Maximum Voltage	56 VCD
Maximum Current	20Amps
Rotor Diameter	20 CM
Blade size	100cm
Blade Thickness	1.5 inch
Cut-In Wind Speed	4.5 mph 2 m/s
Cut-Out Wind Speed	38 mph 18.5 m/s
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SYSTEM SPECIFICATIONS



PERFORMANCE ADVANTAGES

PERFORMANCE OF WIND AND SOLAR COMBINED.

24HR POWER PRODUCTION OPPORTUNITY.

HIGHER POWER DENSITY PER SQ. FT.

SCALABLE POWER GENERATION.

POWER GENERATION STARTS AT 2 M/S.

MECHANICAL BRAKING SYSTEM >41 MPH | 18.5 M/S.

APPROPRIATE FOR GRID TIED OR OFF GRID.

BETTER DAYTIME PEAKS.

NIGHT- TIME PRODUCTION.

STABILIZES PRODUCTION ON CLOUDY DAY.

ENHANCES BATTERY CHARGING AND BATTERY CYCLE LIFE.

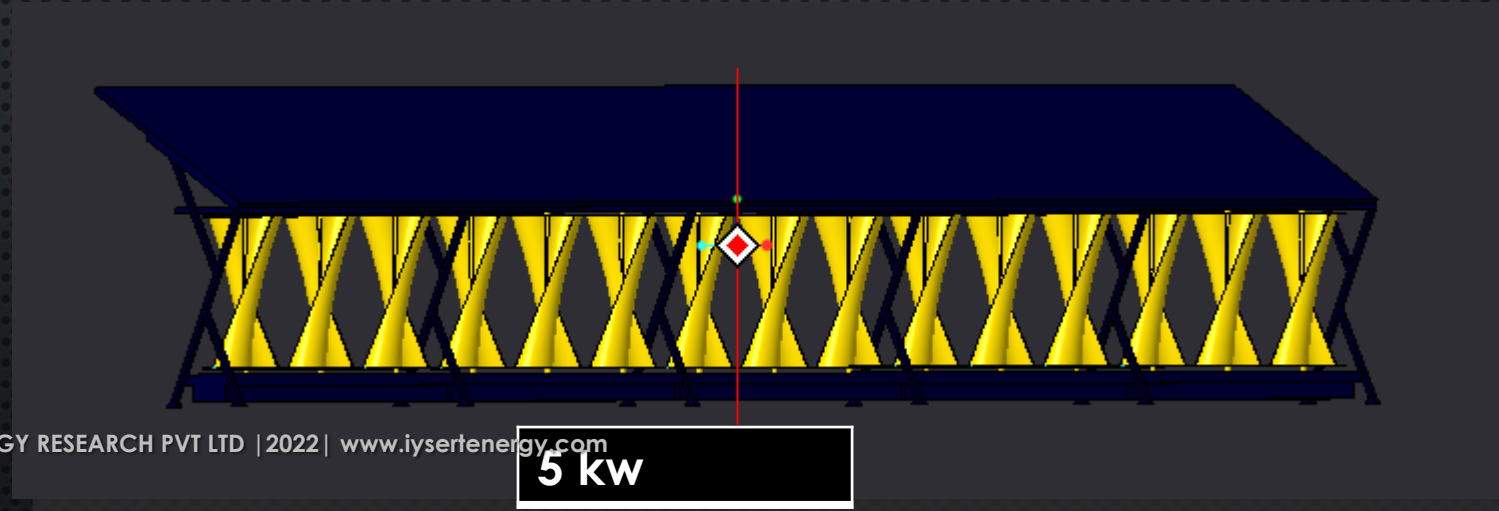
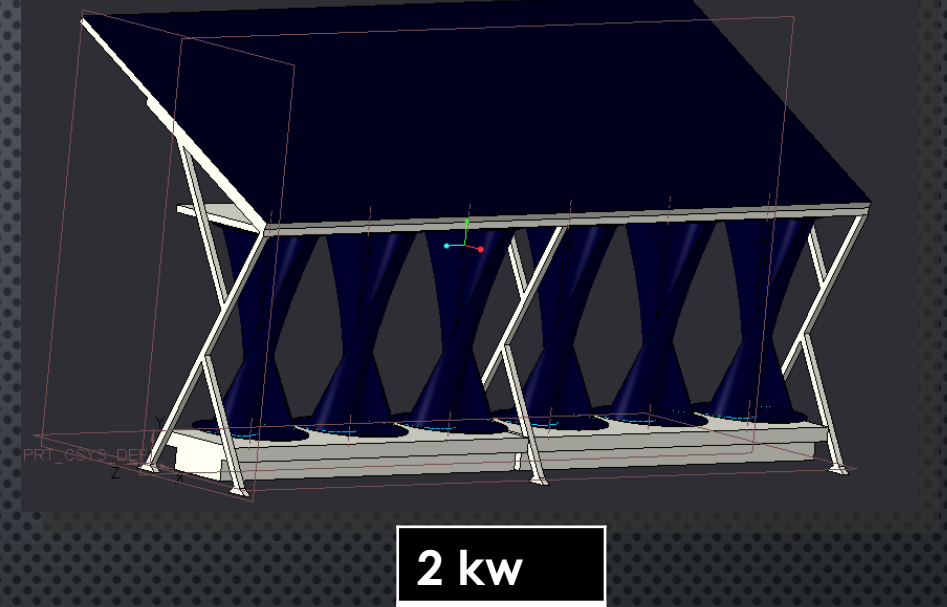
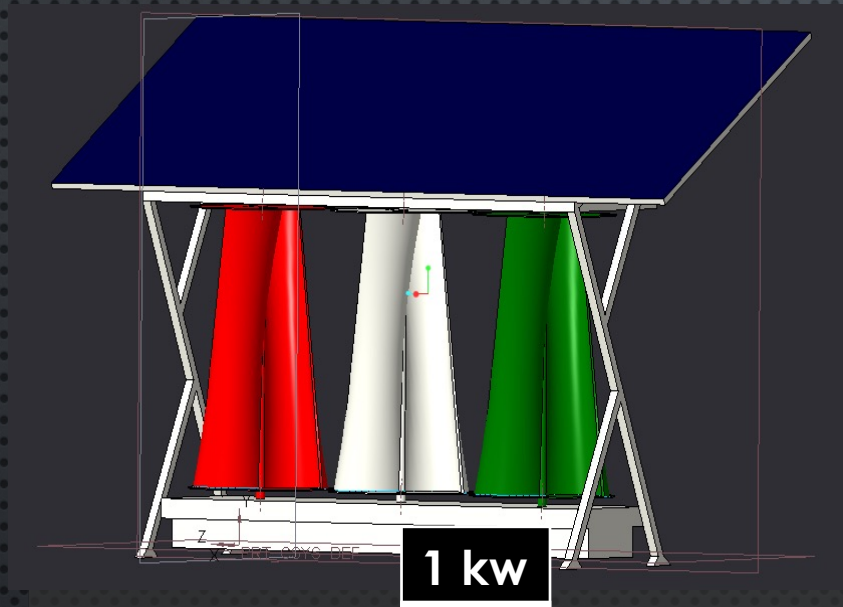
BENEFITS

VISUALLY ENGAGING.

SILENT OPERATION / ENVIRONMENTALLY FRIENDLY

OMNI- DIRECTION.

HYBRID SOLAR AND WIND TURBINE MODELS



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5 kw



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MANUFACTURING FACILITY

Well equipped manufacturing facility with more than 50 staff
in Kalwar Road Jaipur Rajasthan
IN HOUSE FACILITY

- Lab testing
- Turbine Balancing
- Wind power Generation
- Blade manufacturing
- Pmg manufacturing



OUR INSTALLED PROJECTS



OUR TURBINES INSTALLED

DIBER DRDO HALDWANI , DRDO JOSHIMATH ,
DRDO AULI 5KWP EACH

ARMY REGIMENTS IN JOSHI MATH UTTARAKHNAD 5 KWP
AND 1 KW

ARMY REGIMENTS IN JAMMU AND KASHMIR 1 KWP , 5WP

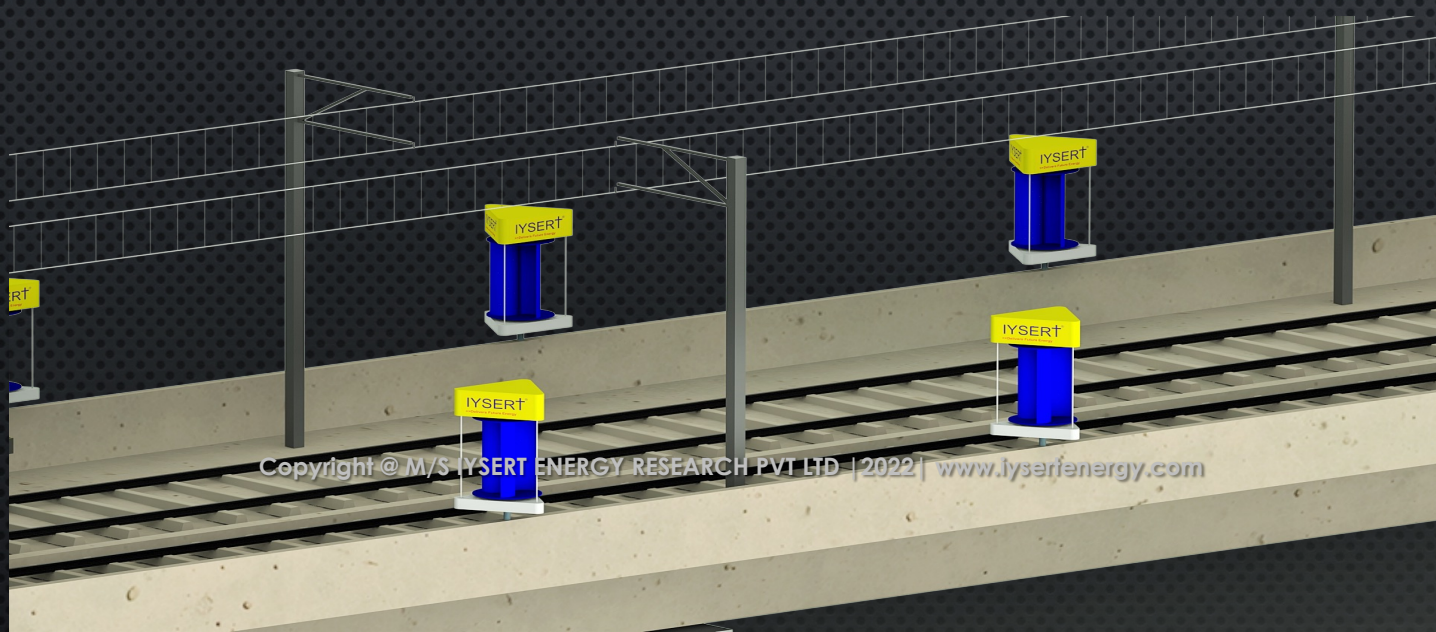
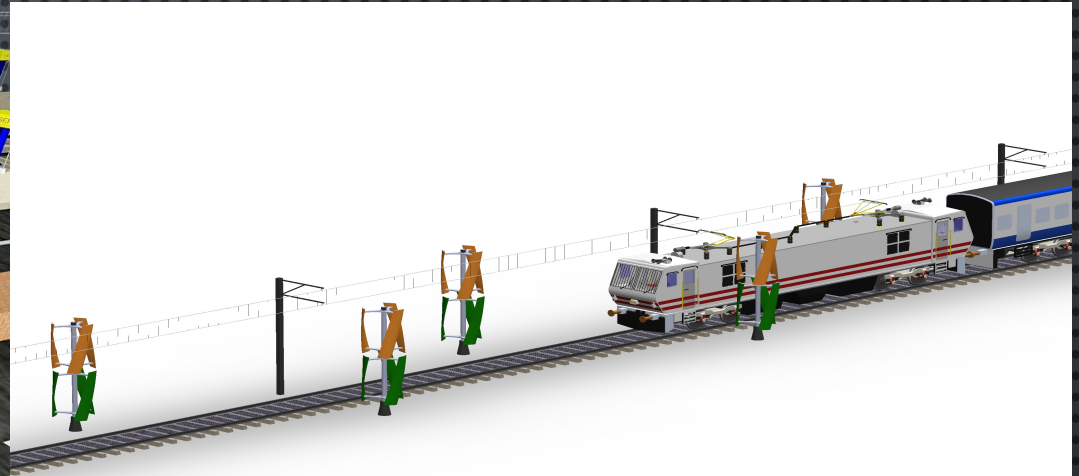
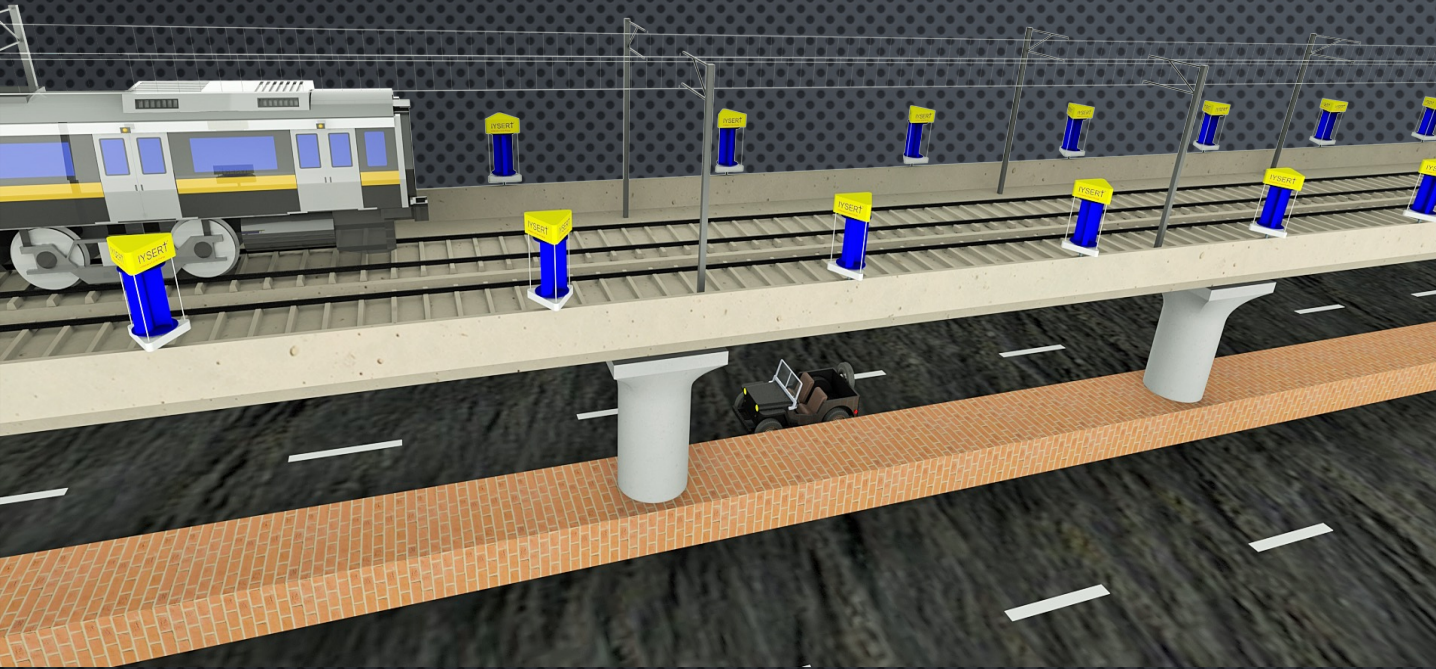
ARMY REGIMENTS IN ASSAM 1 KW , 2KWP , 5 KWP



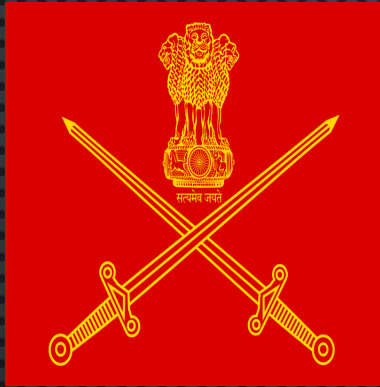
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OUR UPCOMING PROJECTS WITH INDIAN RAILWAYS FOR WIND POWER



OUR CLIENTS



RAJASTHAN

The Incredible State of India !



डेडीकेटेड फ्रेट कोरीडोर

**Dedicated Freight Corridor
Corporation of India Ltd.**



**Ministry of Housing and Urban Affairs
Government of India**