



IIT MADRAS

Indian Institute of Technology Madras

Technology Transfer Office
TTO - IPM Cell



Industrial Consultancy & Sponsored Research (IC&SR)

FLOATING MECHANICAL WAVE ENERGY CONVERTER IITM Technology Available for Licensing

Intellectual Property (Design)

IITM IDF Ref. 1996;
Design No: 326439-001 (Granted);
Class- 13-03

Technology/IP Category/ Market

Design: Floating mechanical wave energy converter;

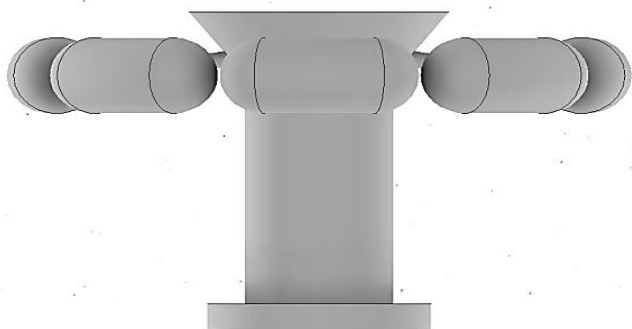
Industry: Electricals Machines;

Applications: Green Energy Production;

Market: The global wave energy converter market is projected to reach **\$35.2M by 2033**, growing at a CAGR of **4.92%** during the forecast period (2024-2033).

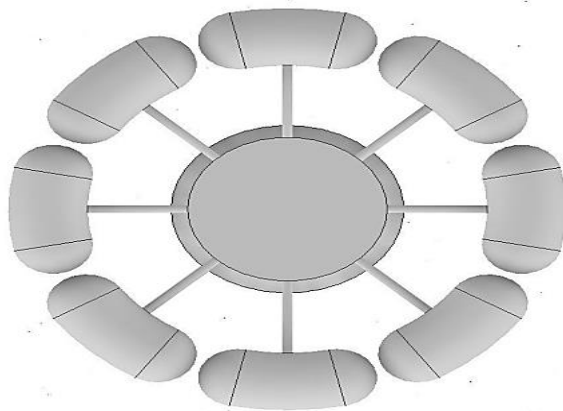
Design

- Present Design describes the bean shaped of **floating mechanical wave energy converter**. The purpose of the converter is to produce electricity irrespective of ocean wave direction. The device originates from a floating system. The process used for conversion is mechanical, & hence named as Mechanical wave energy converter. Further, different symmetrical views of **floating mechanical wave energy converter** is illustrated hereinbelow.

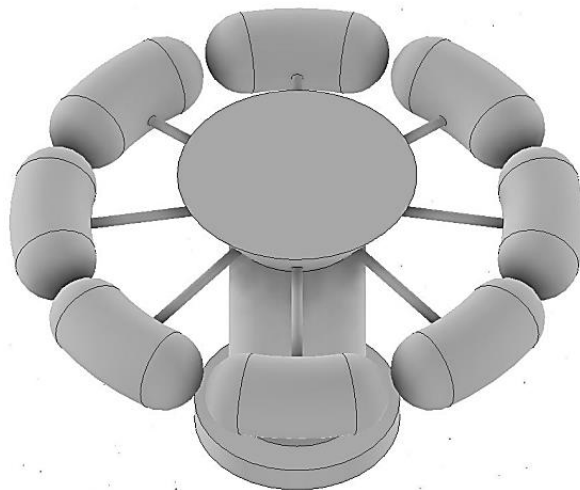


FRONT VIEW

Images



BOTTOM VIEW



PERSPECTIVE VIEW

TRL (Technology Readiness Level)

TRL-4, Proof of Concept ready, tested & validated in lab;

Research Lab

Prof. Srinivasan Chandrasekaran,
Dept of Ocean Engineering

CONTACT US

Dr. Dara Ajay, Head
Technology Transfer Office,
IPM Cell- IC&SR, IIT Madras

IITM TTO Website:
<https://ipm.icsr.in/ipm/>

Email: smipm-icsr@icsrpis.iitm.ac.in
sm-marketing@imail.iitm.ac.in
Phone: +91-44-2257 9756/ 9719



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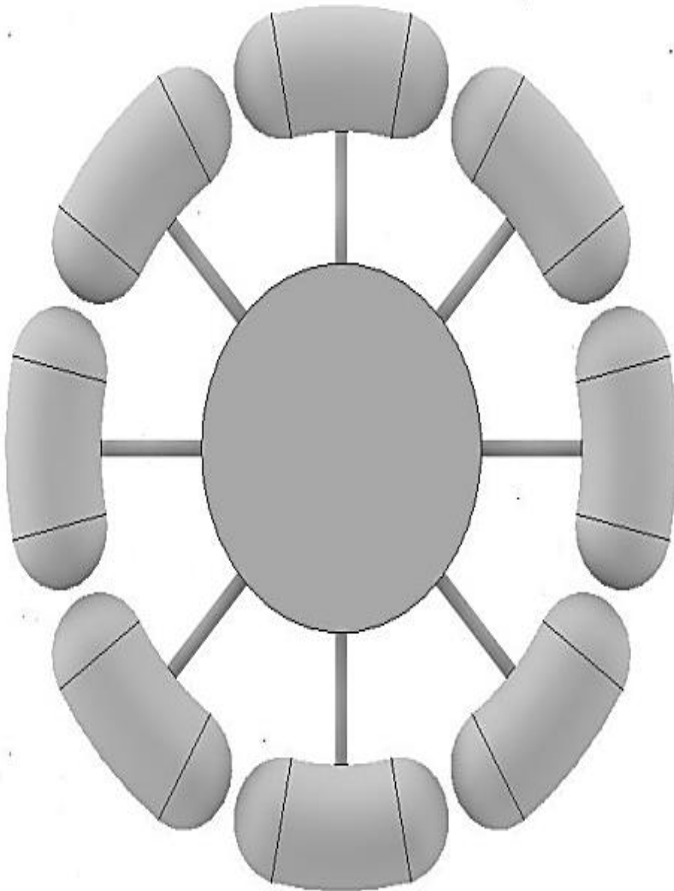
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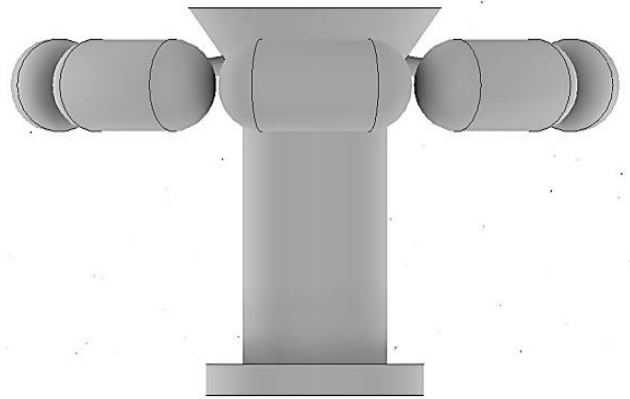
Design

- Moreover, top view, left side view, right side view and back side view of the wave energy converter are shown hereinbelow.

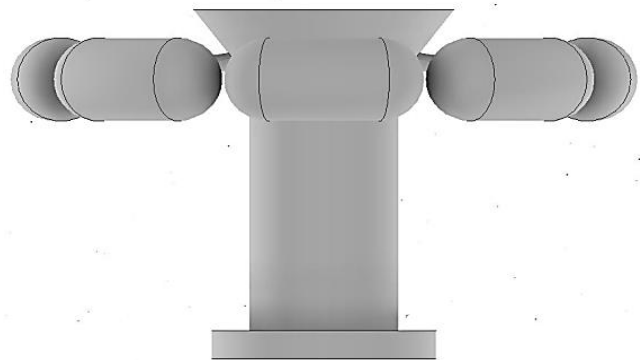


TOP VIEW

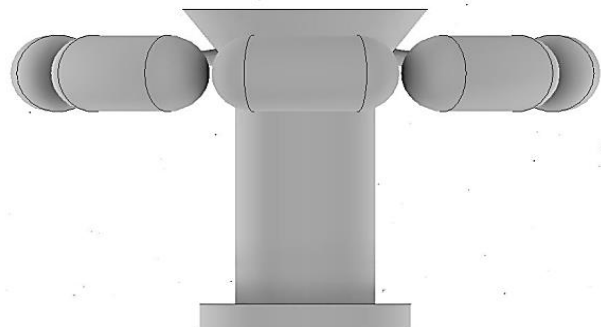
Additional Images



LEFT SIDE VIEW



RIGHT SIDE VIEW



BACK SIDE VIEW

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Dr. Dara Ajay, Head
Technology Transfer Office,
IPM Cell- IC&SR, IIT Madras

IITM TTO Website:
<https://ipm.icsr.in/ipm/>

Email: smipm-icsr@icsrpis.iitm.ac.in
sm-marketing@imail.iitm.ac.in
Phone: +91-44-2257 9756/ 9719