

## RHEEM LAB.

## Wave Power Generation and Regional Revitalization



Department of Mechanical and Biofunctional Systems  
Center for Integrated Underwater Observation Technology

Department of Ocean Technology, Policy and  
Environment, Graduate School of Frontier  
Sciences

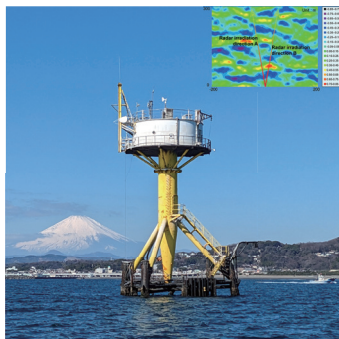
Ocean Environmental Engineering

<https://seasat.iis.u-tokyo.ac.jp/rheem/>

## Wave Observation and Wave Power Generation

We are researching and developing systems to observe the physical environment of the sea surface such as waves, sea surface wind, tsunami, tide level and sea ice by remote sensing using microwave pulse Doppler radar, and wave power generation systems using wave energy. These researches will contribute to the promotion of global warming countermeasures such as mitigation of global warming (development of energy sources that do not emit greenhouse gases) and adaptation to global warming (response to environmental changes and disasters caused by abnormal weather).

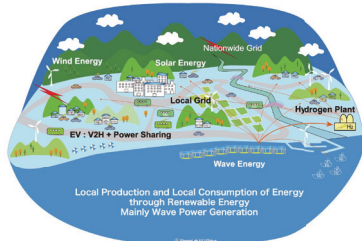
## Hiratsuka Offshore Experimental Tower &amp; Wave Radar



## Development of Ocean Renewable Energy



## Model for Local Energy Production and Consumption Centered on Wave Power Generation



## Proposal of an Ocean Renewable Energy usage Model using the Corporate version of Hometown Tax Payment

