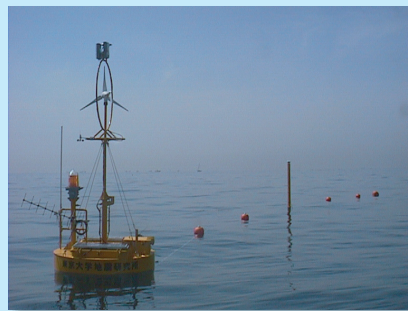
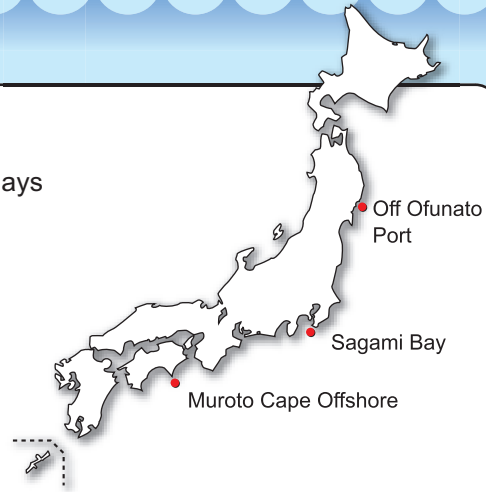


History of Development

- 8-years of history since 1996
- First experiment in Sagami Bay in 1997
- Second experiment in March 1999 using dual buoys for 10 days
- Third experiment off Ofunato Port
 - Jan. 2001 to Jan. 2004
 - Successful detection of tsunami
 - 2001Peru and 2003Tokachi
- Now in 4-th phase
 - Since April 2004 at Muroto Cape offshore
 - Successful detection of tsunami
 - 2004 Tokaido-off
 - Successful wave monitoring during typhoons in 2004

* Above all developments were supported by Grant-In-Aids of the Ministry of Education, Sports and Culture.



Sagami Bay



Off Ofunato Port



Muroto Cape offshore

Hitz

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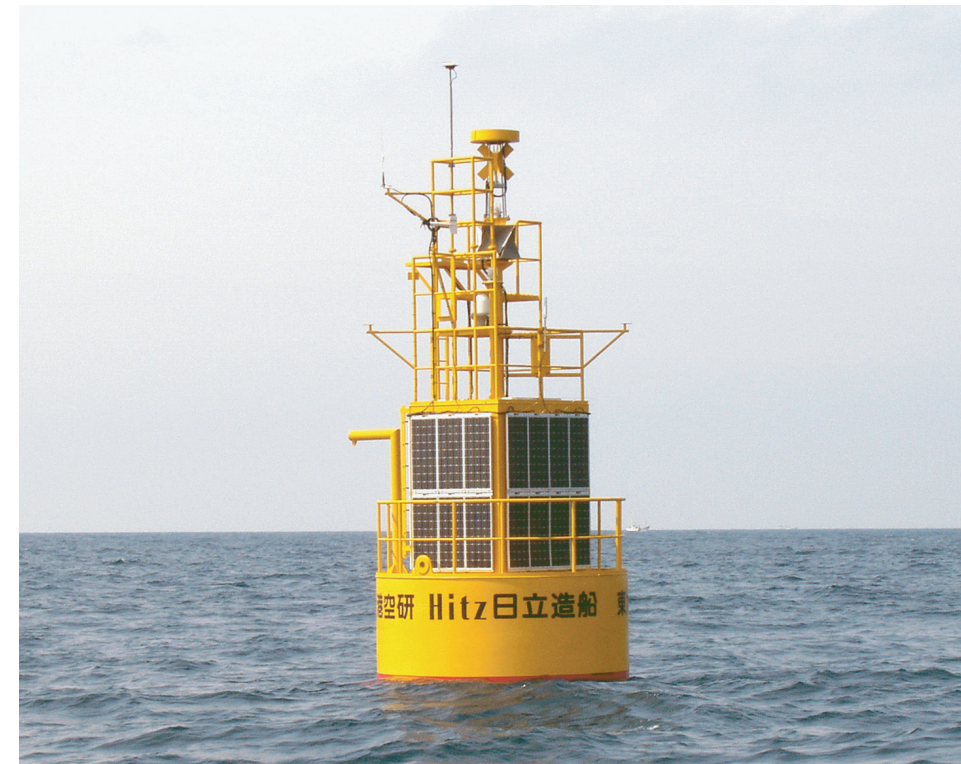
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Hitz

Hitachi Zosen

GPS Tsunami Detection System

for Tsunami Meter, Tide & Storm-Surge and Wave Monitoring



**Awarded by the Minister of Land,
Infrastructure and Transport in Oct. 2004**

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The University of Tokyo (Earth quake Research Institute) Port and Airport Research Institute (PARI),
and Disaster Reduction and Human Renovation Institution.