



Ms. Yoshikura (Meisei Electric) at the Presentation (above) and Attendees in the Meeting Room (below)

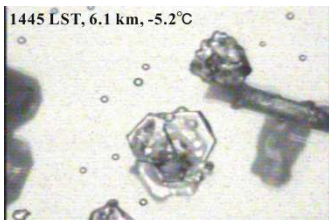
“POTEKA” Successful Results Presentation at the Society of Atmospheric Electricity of Japan !

Meisei Electric presented the study results on the “POTEKA” Project together with Iwasaki Laboratory of Faculty of Education, Gunma University and Kobayashi Laboratory of National Defense Academy at the 90th meeting for the Society of Atmospheric Electricity of Japan held at Tokyo Gakuhei University on January 9th and 10th, 2014.

At the meeting, five(5) presentations were in total opened including the importance of the dense observation of tornado and downburst on the ground, the projects summary and utilization examples, and analysis examples of gust phenomenon occurred in Gunma on August 11. These have drawn attendees' attention and interests accompanied with many questions. The result will be summarized and published in the Atmospheric Electricity journal.

The “POTEKA” dense ground data will be expected to be of great use. It means that we are still required to appeal POTEKA and hear opinions on it inclusive of earthquake, environment, thunder and air contamination in addition to what we mentioned above.

Through the “POTEKA” project, Meisei Electric will continue to transmit effectively information towards new fields and users and as a result, it will lead to our contribution to everyday life creating new services.



Cloud Particle Images (upper) Captured by Microscope Camera Installed on HYVIS (below)

HYVIS Successfully Observed Inside of Cumulonimbus Clouds, “Genesis of Typhoon” in Palau

Meisei Electric-developed Hydrometer Videonde (HYVIS), being ascended to upper air through cumulonimbus clouds with GPS sonde (RS-06G) and balloon, can capture cloud (ice) particle images with sizes ranging from a few dozens through hundreds μm in diameter by using equipped microscope camera and identify the formation, size, and density of cloud droplets and ice crystals.

To clarify the development process of vortex inside of the cumulonimbus which becomes the genesis of typhoon, Hydrospheric Atmospheric Research Center of Nagoya University conducted observation campaign using HYVIS in collaboration with the PALAU2013 Project of JAMSTEC (Japan Agency for Marine-Earth Science and Technology) in the Republic of Palau during May-July 2013.

In this experiment, series of multiple HYVISs have been continuously launched into cumulonimbus clouds passing the observed area, which captured the vertical distribution of cloud particles inside clouds successfully. Nagoya University announced these observation results, which are widely expected to contribute to the better understanding of the vortex development mechanism involving typhoon genesis.

Meisei Electric will continue to provide new “Sensing & Communication technology” to cover the wide range of opportunities and fields.



Launch of first “Epsilon” Rocket (Epsilon-1)
(C) JAXA/JOE NISHIZAWA

New Solid-Fuel Rocket “Epsilon” Received Nikkei Excellent Products & Services Award for 2013 !

The “Epsilon” experimental rocket, which was developed and successfully launched by JAXA in September 2013, received Nikkei Excellent Products & Services Award for 2013 hosted by Nikkei Newspapers as follows.

Award: Nikkei Excellent Products & Services for 2013
Products: New Solid-Fuel Rocket “Epsilon”

We were deeply involved in the development and manufacturing of “Epsilon” rocket. Meisei Electric is in charge of the development for not only rocket onboard camera but also PCE (processing compression equipment) for imaging data and HGV (hot gas valves) for attitude control system.

Meisei Electric's technology is also being used for the “Epsilon” rocket.

SENSING & COMMUNICATION

We will contribute to develop safe and secure society, creating innovative products and services by full use of our original “SENSING & COMMUNICATION” technology.