



FPI Ion Sensor for MMS Mission

Initial 2 Units of FPI DIS Delivered for NASA MMS Mission !

Since 2005, Meisei Electric has been cooperating and collaborating technically with NASA, SwRI (Southwest Research Institute, USA), IRAT (Research Institute in Astrophysics and Planetology, France) and JAXA to design and develop "FPI DIS (Dual Ion Sensor)" for NASA's MMS (Magnetospheric Multiscale) mission and delivered the initial 2 units to MSFC (Marshall Space Flight Center) in the U.S. on the 1st March, 2012. *Fast Plasma Investigation

The MMS mission resolves the basic physics of Magnetic Reconnection – a fundamental process that converts magnetic energy to high speed flows, thermal energy, and energetic particles in plasmas throughout the Universe. The 4 units each of DIS instrument and DES (Dual Electron Sensor)'s are installed a satellite and 4 satellites are launched together totaling 16 units respectively in one launch vehicle for observation. Meisei Electric has been in charge of DIS development and will complete the delivery of entire quantity within this year.

So far we have been supplied a number of Ion Sensors for satellites including NASA to observe the Space particles but enjoying the 16 units of supply all together with same specifications for the first time. It is because Meisei Electric's product was highly qualified and evaluated. We will continue the best to enhance our overseas activities.



Seismic Intensity Observation Systems (upper) and Detector (lower) at Heisei Ozeki Dam

Meisei Electric's Seismic Intensity Observation Systems Started Operation at Heisei Ozeki Dam of Yamakuni River Office !

The Yamakuni river originating from Mount Hiko (Oita Prefecture) and flowing into the Suo rough sea is the 1st grade river with 56km of extension and 540km² of basin area. The Heisei Ozeki Dam located in the down stream of the Yamakuni river is important facilities intended to meet the increasing use of water safely. Meisei Electric-make seismic intensity observation systems S104 was installed at the Yamakuni river office in Kyushu Island of MLIT (Ministry of Land, Infrastructure and Transport) for safety management of the Heisei Ozeki Dam. For the full use of aquatic resources in Kyushu, Meisei Electric's technology is used for management and control of rivers.



Entrance of the Exhibition (upper) and Meisei Electric Booth (lower)

Earthquake Preventive Measures Instrument and Water Level Observation Systems at the Exhibition of Iwasaki CO., LTD. (Hokkaido)

On both the 12th and the 13th April, 2012, a general exhibition entitled "Iwasaki Total Solutions Fair 2012" was held at Sapporo by Iwasaki CO., LTD., a distributor of Meisei Electric covering Hokkaido area. It was the 45th anniversary and provided 5 exhibition zones consisting of their respective segment with the theme of "A Mission -Stage 2- towards Infrastructure Maintenance by Full Use of Measurement Technology and ICT (Information and Communication Technology)". At Meisei Electric booth, a zone "Stage to Cope with Environment and Disaster Prevention", we exhibited "Smart Weather Meter" (Soratena) and "Smart Vibration Measuring Instrument" for reference in addition to "Seismic Intensity Meter S210" and "QCAST@Alert Unit" and "Water Level Observation Systems" as a earthquake disaster preventive systems. Especially the "Smart Weather Meter" drew the attention of visitors providing a solution to distribute the data for agricultural segment, a main industry in Hokkaido by locating sensors precisely in the places where weather observation data is not good enough.

FROM UNDERWATER TO OUTERSPACE

Meisei Electric aims at the "World's Total Solutions Provider" covering from underwater toouterspace under the theme of "Contributing towards Human and Social Rich Environment" by the full use of advanced technology.