



MPE
Quality, Reliability, Performance

Company Bulletin

for EMC, EMP & TEMPEST Protection

Issue 9



The SC77C Sub-Committee in session at the Best Western Premier Guro Hotel, Seoul



Paul Currie's presentation on EMP, HEMP and IEMI threats and protection at the offices of Eretec



Anechoic chamber installation by Eretec for automotive testing at the INFAC Corporation in Korea

MPE builds upon meteoric sales growth in Korea

The Republic of South Korea was one of the top three territories for MPE in terms of sales during 2015, with specialist local distributor Eretec championing MPE's interests. So, following this very strong sales record, David Seabury, Will Turner and Paul Currie visited the territory in February. David and Paul were in Korea for five days in all, engaging in customer and project meetings as well as participating in a trade mission arranged by UKTI North-West.

Will was in Korea for a three-day SC77C Committee meeting and then met up with David and Paul for the last two days of the visit. The SC77C meeting was held at the Best Western Premier Guro Hotel, close to the premises of the Korea Testing Laboratory (KTL). Will was representing UK BSI at the meeting, which is typically held twice a year.

The IEC (International Electrotechnical Commission) SC77C Committee is concerned with standardisation in the field of EMC to protect civilian equipment, systems and installations from threats by man-made, high-power transient phenomena.

The Sub-Committee on which Will sits has recently published new documentation for commercial HEMP filters, detailing various levels of protection dependent upon the criticality of the site in question. Until this publication, the only level of HEMP protection defined was that in the military standard Mil-Std-188-125, which represents an extremely high level of protection designed for mission-critical defence applications and so was adjudged too costly for most commercial-type applications.

The SC77C Sub-Committee meets next in London shortly after the European Electromagnetics Symposium (EuroEM) event, 11th-14th July at Imperial College, South Kensington, London, where MPE has been accepted to present three papers.

During MPE's visit Eretec hosted an EMP seminar at their headquarters offices. This was attended by end-users and specifiers from the Ministry of National Defence (MND) – including a four-star general, the Korea Testing & Research Agency (KTR), Korea Testing Laboratory (KTL), the Korea Information Communication Industry Institute, the National Security Research Institute and the Korea Radio Promotion Association.

The hosts Eretec provided an overview session and then, as pictured here, Paul Currie delivered a 90-minute presentation on the theme of EMP, HEMP and IEMI threats and protection.

MPE also visited a recent large anechoic chamber installation completed by Eretec for automotive testing at the Japanese-owned INFAC Corporation (www.infac.com/index_eng). Eretec supplied and installed the EMC shielding, EMC doors, EMC filters, waveguides and all internal equipment systems including pyramidal absorbers.

Finally, MPE went on to attend an official reception organised by



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At the British Embassy reception, pictured left to right standing are David Seabury, Paul Currie and Will Turner of MPE, Major In-Young Baek (MND) and Miss Kelly Cho (Eretec). Seated in front, from left to right, are Mr Tae-Heon Jang (KTL) and Mr Jun Sun Park (Eretec).

UKTI at the Ambassador's residence in the grounds of the British Embassy in Seoul. The reception was hosted by Charles Hay, HM Ambassador to the Republic of South Korea since February 2015, and was to welcome a trade mission from the North-West of England in which MPE was taking part.

The MPE party were accompanied by five invited guests – Mr Jun Sun Park and Miss Kelly Cho (Eretec); Mr Tae-Heon Jang (KTL); Mr Woochul Park (KTR); and Major In-Young Baek (MND). This reception was also attended by senior members of the British Embassy staff, the head of UKTI in Korea and the CEO of the Chamber-of-Commerce in Korea.

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