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Quality, Reliability, Performance

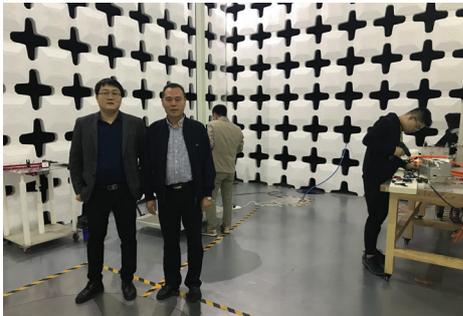
Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

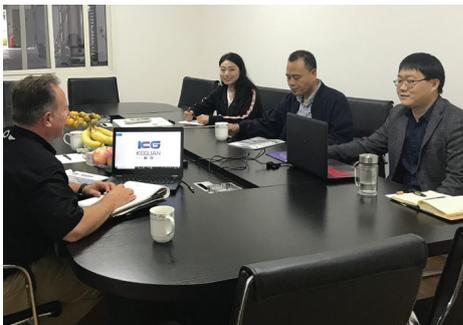
Issue 20



The Design Department at Tech Crown at work on new EMC test chamber



New EMC test chamber takes shape at Tech Crown in the city of Xi'an



Paul Currie, Director of MPE Ltd (left) busy planning ahead at Tech Crown with their executives

MPE filters for anechoic chambers

In Issue 14 of the Company Bulletin we reported on the appointment in October 2017 of new distributor Xi'an Tech Crown Electromagnetic Compatibility Engineering Technology Co Ltd (Tech Crown). Since then, Tech Crown, as MPE's bronze distribution partner for China, has experienced a period of solid growth across that vast country, despite fierce competition from indigenous filter manufacturers.

In a further major advance, January 2019 saw Tech Crown complete the construction of a new EMC testing and office facility at its headquarters in Xi'an city.

Given the great demand for EMC testing in Xi'an and the surrounding Shaanxi and adjacent provinces, twin three-metre EMC test chambers were constructed, allowing for two test programs to be conducted simultaneously. The facility includes a wide range of antennae and associated test equipment, with the capability to test equipment across an impressively broad frequency spectrum from 20Hz through to 40GHz.

Integral to these test chambers, all incoming power and data cables are routed via a suite of high-performance MPE EMC filters, ensuring the electrical integrity of the installation. This suite of EMC filters include both AC and DC models in a variety of current ratings up to 100A.

With one of the chambers boasting a two-metre wide entrance door, equipment such as communications racks, data servers and motor drives can all be accommodated for testing. Since completion these twin chambers have already been used to fulfil EMC test programs for 20 customers in the commercial marketplace.

The popularity of this new testing capability has warranted the expansion of the Tech Crown team to some ten people, six of whom are dedicated EMC test engineers. Tech Crown at Xi'an is a subsidiary of the well-established Xi'an Henderson Optoelectronics Technology Co Ltd, which was founded in 2010 and now numbers 70 staff, 50 of whom are directly involved in research and production.

MPE and Tech Crown are currently working side-by-side on a number of new test chamber projects due for installation during 2020, along with the development of custom filters for a state-of-the-art, next-generation Chinese military vehicle platform.

For information on Xi'an Tech Crown, visit the company's website www.kg-e3.com or, for product enquiries in the Chinese market, email Vice General Manager Ocean Lee oceanlee@kg-e3.com or call his office hotline +86 (0)29 8102 9196.

