

Improvement of plasma processes

# Pure innovation: The integrated radio frequency power system from Comet

“Being located in Suwon at the center of the Korean semiconductor industry, with a team of highly skilled and motivated developers, makes all the difference for us,” says Yong Tae Kim. Since opening five years ago, the subsidiary has succeeded in building long-term relationships of trust with important players and has grown continually. “This is only possible because we are well-established locally with our expertise and know our customers’ challenges in detail. We do development right here, hand in hand with them – rapidly, nimbly, and precisely customized to their needs. Our customers are impatient, always looking for the best solution and for true innovation. And they want the very highest quality.” Comet PCT is highly regarded in the Korean market for its vacuum capacitors and recognized as a globally leading manufacturer of impedance matching networks. In view of the trend toward integrated solutions, the development of the coming new radio frequency (RF) system is a logical progression. “PCT is taking its offering to the next level, which will change our role in the market starting in 2020. For us, it’s a big opportunity for significant growth in tandem with our customers.”

**“A complete digital and modular RF solution is something truly new and our innovation-hungry customers await it with keen curiosity.”**

Comet PCT evolves into the only vendor of complete RF power supply systems:

1965



Comet enters the market for vacuum capacitors and thus develops a second core business besides x-ray.

2004



The first Comet PCT impedance-matching network is brought to market. PCT becomes the world market leader.

2011



Acquisition of the RF and VHF generator specialist Stolberg HF-Technik AG. PCT now offers compatible components as a one-stop supplier.

2018



The Smart Lab, which is essential for automated test runs of the new generators, starts operation.



**Yong Tae Kim**  
General Manager  
Comet Technologies Korea

The materials engineer knows the semiconductor industry in Korea like few others. After three years as an independent distributor for Comet PCT, he presented a compelling growth plan for the Korean semiconductor market and opened the Comet subsidiary in Suwon in 2013, which he has headed since then. The small team with staff in customer service, sales and R&D is well diversified. "Today almost every RF engineer in Korea knows Comet PCT," says Yong Tae Kim with some pride.