

COMNAV

Making GNSS Receivers a Creative Technology



Located in Shanghai, China, ComNav Technology Ltd. develops and manufactures multi-constellation, multi-frequency GNSS measurement engine boards and receivers for ultimate high-precision positioning applications. It is the first Chinese company to have developed, designed and produced combined GNSS (GPS and GLONASS) plus BeiDou OEM boards. With its fast-paced business growth, ComNav is making waves in the global high-precision GNSS industry.

China has a long legacy in astronomy, space exploration and the invention, design and manufacture of precise observation instrumentation, and ComNav Technology Ltd. is continuing this tradition. ComNav is located in Shanghai, the commercial and economic centre of China. The company develops and manufactures multi-constellation, multi-

frequency GNSS measurement engine boards and receivers for ultimate high-precision positioning applications. ComNav addresses specific demands in four key business areas: intelligent transportation applications; the entire geospatial industry including surveying, geodesy and civil engineering applications; deformation monitoring including the surveillance of man-made infrastructures and natural hazards; and precision farming.

R&D-driven

ComNav was founded in March 2012 by Dr Yongquan Wang, who is an undisputed expert within the Chinese high-precision GNSS industry: in 1996, Dr Wang developed the first Chinese GNSS receiver, and in 2008 he developed the first Chinese high-precision GPS OEM board. As an R&D-driven company ComNav invests 10% of its annual revenue in R&D, and over half of all ComNav employees have extensive experience in high-precision GNSS or engineering. The company currently employs 120 people, and that figure is increasing all the time.

ComNav has enjoyed rapid growth thanks in particular to two important factors. One was the BeiDou navigation satellite system which started deployment in 2012, and the other is the large demand from intelligent transportation systems. Within one year of being founded, ComNav had sold more than 10,000 units of its high-precision GNSS OEM board in the Chinese domestic market. On the day that milestone was passed, ComNav allocated USD15 million to building the largest R&D and manufacturing GNSS plant in China to enable production to keep pace with demand. In 2013, ComNav sold more than 20,000 units of its GNSS OEM board in China, accounting for 25% of the Chinese market. ComNav has already gained a reputation for supplying products with high quality and performance at a fair price. "We just want everyone to be able to invest in and enjoy a highly accurate GNSS receiver which is easy to use and does the job smoothly and efficiently at the right price and without any concession in term of accuracy and reliability. We are quality-driven, and we respect the industry standards in term of file format (RINEX) and data streams (RTCM, BINEX)," says Dr Yongquan Wang.

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