

# HUAV introduction

Our vision is to be an expert on MEMS sensor.

Our mission is accelerating the arrival of unmanned era.

HUAV was founded in 2019 and registered in Hengqin island.

We have about 100 staff, most of our staff base in Tianjin Headquarter.

We have four series Linglong, Gongyu, WIS and VX. Linglong series is positioning on inertia sensor. Linglong A is single axis accelerometer; and Linglong D is single axis gyro, the MEMS die is fabricated in your fab; Linglong V is six-axis inertial sensor for automotive, this product is under developing, it will be prototype at the end of this year and appointed in vehicle factory(OEM) in the next year and mass production in 2025. Gongyu series is positioning on the interface ASIC for gyro and accelerometer. Gongyu1 base on the si-ware SWS1121 and tapeout in the GF. And then we port it from GF process to SMIC process. And Gongyu3 is a three axis interface ASIC for both gyro and accelerometer. Gongyu5 is three axis interface ASIC for accelerometer only.

Both WIS series and VX series are module production. WIS series module is positioning on high performance module and VX series module is positioning on vehicle module. Please notice the part numbers, three number means inertial module, four number means Integrated Navigation module , GNS has be integrated in it. VX series can be used in level 2.5 autonomous driving system or above.

The calibration factory. All the calibrating data will be transmitted to the server through ethernet, and the data will be analyzed automatically. We design tooling fixture , we can calibrate more than 100 modules at same time. The capacity is more than 150 thousand modules per year.