

## **Company Profile**

iMAR GmbH  
Systems for Inertial Navigation and Control  
Im Reihersbruch 3  
D-66386 St. Ingbert

### **1. Company Summary**

iMAR, located in St. Ingbert, near Frankfurt, Germany, has extensive longtime experience in the conception, development, manufacture, sales and support of inertial measurement systems applied to many tasks in navigation, surveying, stabilisation, guidance, control and other specialised applications. These applications range through the entire applications spectrum from military to commercial, from the ocean floor to space.

iMAR develops and manufactures inertial navigation and control systems for aircraft testing, torpedo navigation, missile guidance, land surveying, car dynamics analysis, antenna and camera stabilisation, flight path indicator stabilisation, stabilisation control units for helicopter approach systems, alignment systems for wing aircrafts and helicopters, drilling and pipeline surveying systems, drone navigation systems and several other inertial based systems (please see [www.imar-navigation.de](http://www.imar-navigation.de)).

iMAR's team of about 20 engineers, scientists and technicians has an unparalleled in-depth knowledge of the various inertial sensors, algorithms, hardware design and software engineering. This applied expertise achieves the highest measurement performance in the delivered systems, matched to each customer's specific requirements.

In 2003 iMAR has entered its new own headquarters building which provides with 1500 sqm now three times more space for development, manufacturing and customer education. iMAR is situated near the testing airfields "Zweibrücken" and "Pferdsfeld" which are available to perform system testing in the area of avionics and high speed road vehicle testing applications. Beside of a direct highway connection ( 500 m) and a railway station "St.Ingbert - Rohrbach" nearby (5 minutes walk), also the business airport "Saarbrücken-Ensheim" is only 15 minutes away from the iMAR headquarters.

iMAR has an advanced testing and certification centre for inertial systems. The equipment in our centre includes a three axis turntable, a two axis and single axis turntable and various other calibrated testing systems including two full mil/space-spec range temperature chambers and a vibration platform. The modern 1,500 sq mtr production and engineering area is suited to delivering both low and high volume customer systems with fully traceable quality standards.

Customers of iMAR are automotive manufacturers, defence industry, medium enterprises and research laboratories like (excerpt) Audi, Autoflug, Autoliv, Belgium Army, Bewag, BMW, Bosch, British Rail, British Aerospace, Conti-Teves, Dekra, DaimlerChrysler, Deutsche Bahn, Diehl-BGT, DLR, Dornier, Dynamit-Nobel, EADS, ELAC, Eurocopter, Ford, German Army, German Airforce, GRD, HDW, Honda, Keller Grundbau, Krauss-Maffei Wegmann KMW, MAN, Marconi Marine (UK), Mercedes-Benz, Mauser-Werke, NATO, Oerlikon Contraves, Opel, PD&E, Pipetronix / PII, Rheinmetall, Ruhrgas / E.ON, Rosen, Saclant, SF Schweizer Flugzeugwerke, Siemens, Magna-Steyr, STN, Toyota, VW, Westland Helicopters, ZF...

iMAR GmbH is represented in Canada, China, India, Israel, Italy, Korea, Russia, UAE, UK.

### **2. Management**

iMAR GmbH has been founded by Dr.-Ing. Edgar L. von Hinüber in 1992. His passion is system engineering, inertial navigation, control technology, electronics and a system design which fulfils the demands of advanced applications. He has studied electrical engineering, control and information theory at the Technical University of Hannover and received the "Eduard Martin Award" of the University of Saarbrücken in 1993 for his scientific work.

The task of iMAR is to combine and extend these scientific and technology subjects with a highly skilled staff of engineers to provide high professional and advanced systems to the industrial and military market.

iMAR is a German private company, where Dr. v. Hinüber is the owner and Managing Director.

Besides of the company business, since 2005 Dr. Edgar v. Hinüber is a consultant of the delegation of the German Government's Federal Office of Economics and Export Control at the international Wassenaar Arrangement (control of dual use items related to inertial sensor and system technology).

The marketing coordination is done by Mr Francis Pillon, a skilled senior aeronautical engineer with 25 years experience in the aerospace and automotive market.