

## **Company Profile**

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

### **1. Company Summary**

*iMAR Navigation*, located in St. Ingbert, about 150 km southwest of 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, stabilization, 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 Navigation develops and manufactures inertial navigation and control systems for aircraft testing, torpedo navigation, missile guidance, land surveying, car dynamics analysis, antenna and camera stabilization, flight path indicator stabilization, stabilization control units for helicopter approach systems, alignment systems for wing aircrafts and helicopters, drilling and pipeline surveying systems, drone navigation systems, target tracking control systems and several other inertial based systems ([www.imar-navigation.de](http://www.imar-navigation.de)).

iMAR's team of about 45 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 Navigation has entered its new own headquarters building which provides with 1'500 sqm three times more space for development, manufacturing and customer education. For 2013 the erection of an additional building is planned to extend the manufacturing. Since 2008 iMAR is certified according to ISO9001 (military, industrial) as well as EN9100 (aviation and aerospace applications). Since 2011 iMAR Navigation is furthermore certified according to EASA Part 21G (aviation systems production organization) and in 2013 iMAR Navigation will also be certified to EASA Part 145 (aviation systems maintenance organization).

iMAR Navigation has an advanced testing and environmental certification centre for inertial systems. The equipment in our centre includes four single and multi axes turntables and various other calibrated testing systems including two full mil/space-spec range temperature chambers and a 40 kN vibration platform. The modern 1'500 sqm production and engineering area is organized to meet both low and high volume customer systems manufacturing with full traceability according to our quality standards.

Customers of iMAR Navigation are general industries, automotive manufacturers, defence and aerospace / aviation industry, medium and large size enterprises, governmental organizations and research laboratories.

Beside of a direct highway connection (A6, 500 m) and a railway station "St.Ingbert - Rohrbach" nearby (5 minutes walk), also the business airports "Saarbrücken-Ensheim" and "Zweibrücken" are each only 15 resp. 25 minutes away from the iMAR headquarters. The airports Frankfurt Main and Straßbourg (France) as well as Frankfurt Hahn are accessible via the highway within 90 minutes. Airport Metz (France) is located 60 km away.

iMAR Navigation GmbH has worldwide representatives.

### **2. Management**

iMAR Navigation 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 (Leibniz University), built up a chair for automation and control at the University of Saarbrücken for 5 years and received the "Eduard Martin Award" of the University of Saarbrücken in 1993 for his scientific work.

The task of iMAR Navigation is to combine and extend the scientific and technology subjects of navigation, control, data processing and advanced sensors and mechatronics with a highly skilled staff of engineers to provide high professional and advanced systems to the industrial, aviation, automotive, aerospace and military market.

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

Besides of the company business, Dr. v. Hinüber is member of the program committee of the Intl. "Symposium Inertial Sensors and Systems" (DGON), held in September each year in Karlsruhe. He is also 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 sales coordination is done by Mr F. Pillon, a skilled senior aeronautical engineer with 25 years experience in the aerospace and automotive market. Mr R. Leidinger and Dipl.-Ing. Bernd Wagner are the quality managers.