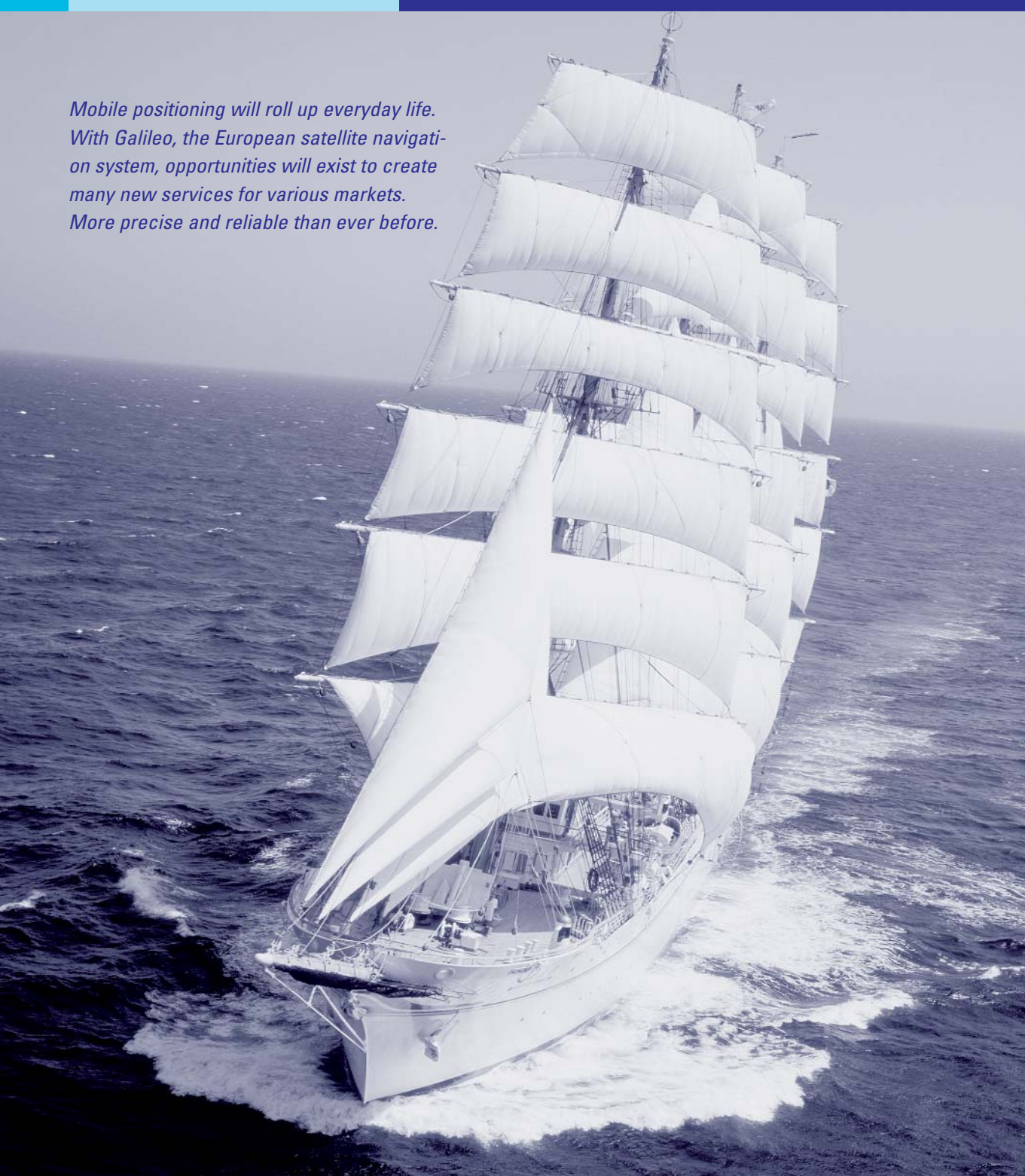




Successfully to the point

Certified Quality for Positioning and Navigation

Mobile positioning will roll up everyday life. With Galileo, the European satellite navigation system, opportunities will exist to create many new services for various markets. More precise and reliable than ever before.



European economy will benefit directly from this as the development of innovative applications stimulates the industry. More than 100.000 new jobs are to be generated.

Secure top business success in this dynamic scenario. With NavCert. Our performance reduce your risks – and increase your market success.

With long-term partners: Unexpected dimensions

Those benefiting from Galileo have a NavCert certification

The satellite navigation business booms. The Americans still have the monopoly through GPS. But in a few years Galileo will provide a strong European complement. This new system with its 30 satellites will guarantee quality of service – and enable precise positioning.

Galileo therefore inspires to do even more with new satellite supported positioning, navigation and time distribution services. According to prognoses there are to be 2.5 billion users world-wide by 2020. In only five years, the satellite navigation business has amounted for total sales of 400 billion Euros. It is the NavCert approach to let your products and systems participate in this success.

Your decisive competitive advantage: NavCert accompanies you from the first idea to marketable products, either already for Galileo or still for GPS, as we certify positioning and navigation products and systems.

As your long-term process partner we care for your products, observing all rele-

vant legal requirements, convincing with constant quality, while meeting your customers' expectations. At the same time your entire value creation chain is optimized, due to our versatility and expertise that will save time and reduce costs. Reduce your risk and increase your market share.

NavCert test objects include, for example:

- components such as chip sets, antennas
 - hand operated or integrated receivers
 - navigation systems for automotive, railroad, avionics, maritime and inland waterways
 - platforms such as cars, railroad, airplanes
 - information contents, e.g. maps or traffic information
 - communication networks such as mobile or satellite networks
 - service providers such as toll service, fleet management or airport ground services
 - track monitoring of train or traffic guidance in ports
-

Consumer Products: Perfectly distinguishable

Satellite navigation of the moment, from GPS to Galileo

GPS chips are already part of mobile PCs, PDA, cameras, mobile phones and wrist-watches. Already today such consumer products for navigation are able to convince with another special value added – with the Certification by NavCert. Your customers will then recognize by the Certification mark: This is very good quality you can rely on.

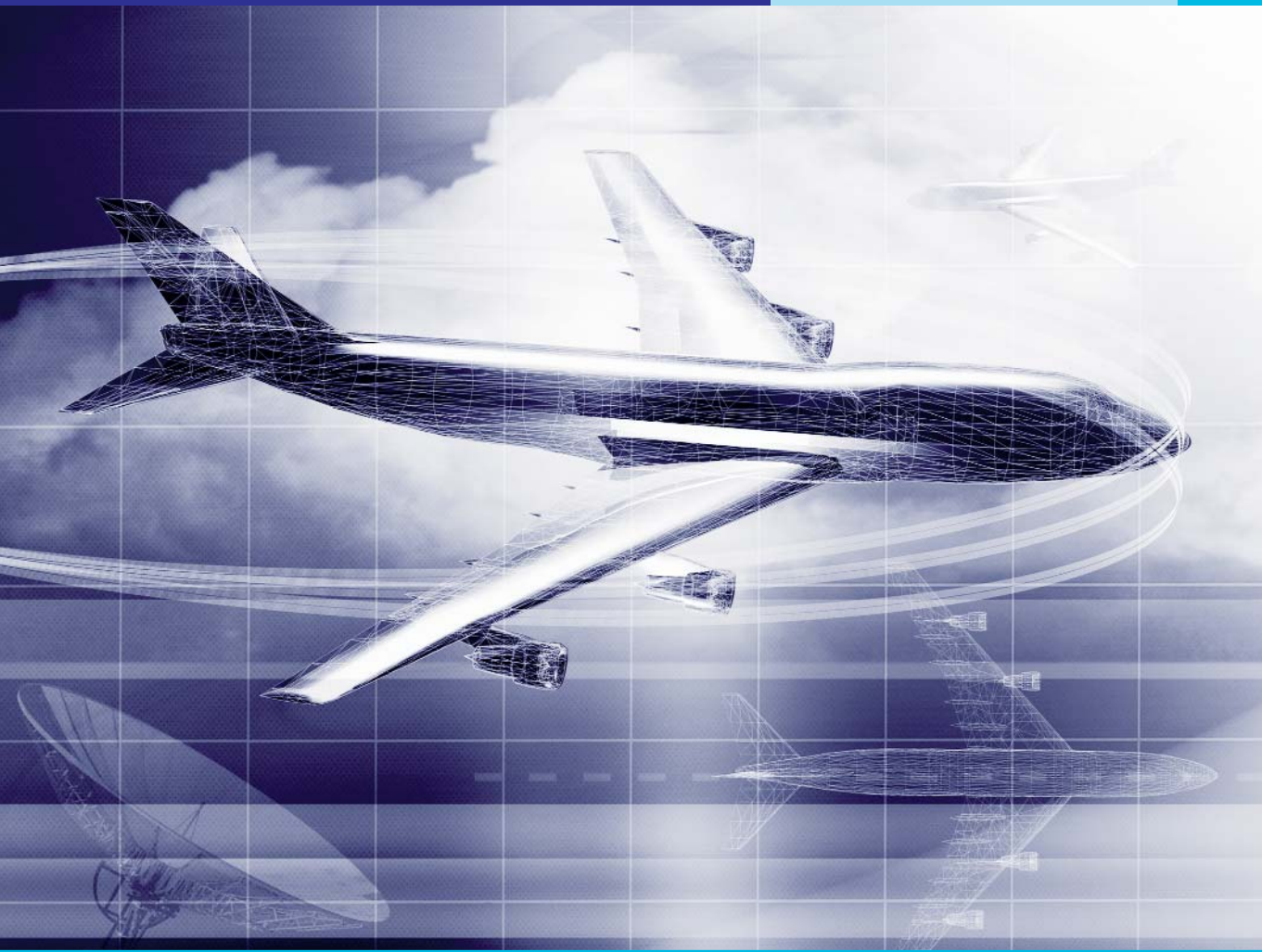
Furthermore, the continuous monitoring by NavCert optimizes your entire value creation chain. A better product development is followed by higher customer satisfaction, and fewer customer complaints will

reduce the costs. Liability risks are also minimized as the Certification mark is regarded as a prima facie evidence for legal claims.

NavCert tests according to your requirements and needs:

- the documentation for installation and use
 - the user interface
 - the accuracy and velocity of positioning and/or route calculation
 - plus additional functions such as congestion avoidance, tour guides etc.
-





Safety Critical Systems: Perfect from the Start

Convincing solutions – Galileo or EGNOS based

NavCert accompanies safety critical systems from the first idea with comprehensive advice. Thus you receive important impulses – and the required certification is integrated into the conceptual design from the very beginning. This approach reduces time and costs for project development.

Beside the testing of the device itself, this is also about the testing of the application of the system. The whole scope of legal norms and important standards is over-

seen by us in detail and with the knowledge and expertise regarding the specific requirements in other markets.

Safety critical systems are supervised consistently and pass through three phases with NavCert:

- validation
 - testing
 - and finally Certification for Galileo and EGNOS based systems.
-



Two professionals, one contact world-wide

Experience and knowledge on your side

Behind NavCert, there are the cooperation partners for the Certification of positioning and navigation systems: TÜV SÜD and OECON.

For decades TÜV SÜD has been ensuring decisive competitive advantages in target markets to manufactures and commercial enterprises. As a process partner, we have an extensive experience in regard to the marketability of consumer products and in the field of telecommunication, and moreover with regard to the certification of control systems and safety relevant applications in cars and railroads.

TÜV SÜD meets the challenge that products have to observe the legal require-

ments, meet the customers' expectations and offer consistent quality as a neutral third-party Certifier.

OECON offers outstanding experiences with regard to Galileo. As leading system architect of mobile positioning and communication technologies, this NavCert partner is a founding member of GZVB, jointly will provide competencies and capacities of enterprises, universities and research institutes engaged in the Certification of satellite navigation.

NavCert contributes to the Green Paper „Certification of Galileo Applications“ by order of GSA (GNSS Supervisory Authority).



Everything in best order: The Certification marks

Persuasive power – we give you our word

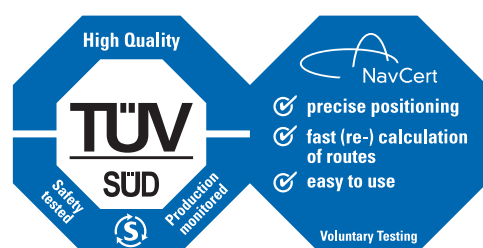
The TÜV SÜD Certification marks and Certificates offer you an extensive plus with regard to quality and legal security. They document that your product or system meets the compulsory security aspects and the high requirements of the customer.

In addition, the Certification mark professionally brings your Certifications to the market and strengthens your advance in the competitive market place.

The foundation for a Certification mark always is a Certificate. We issue it after successful testing of the product – either

voluntarily or compulsorily – on the basis of specified testing and Certification regulations.

Behind every Certificate there is, as part of NavCert or its cooperation partners, an accreditation and external quality control in the national and international accreditation system.



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You are cordially invited. Find your way to us.

A cooperation with NavCert pays off. We identify form and volume of our engagement for you, together with you, according to the respective conceptual formation.

Do you have any questions or do you wish consultation? Call us!