

# THE ARK



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Every issue we will bring you a featured maker in the marine industry and from it a featured product.

This issue, the featured brand is:



Totem Plus has been developing ship automation and marine computerized applications since 1994. The company is one of the pioneers in integrating several systems into one control system, and has a considerable installation record. The vision of Totem Plus is to be on the cutting edge of technology with increasing number of modern, innovative and reliable systems.

Totem Plus extensive experience with different systems (Engine Monitoring, Voyage Data Recorder, Tank Gauging, Cargo Control, Loading Programs, Hull Stress Monitoring, etc.) leads to integrated products that combine several systems based on client's specifications. The final product includes unique features such as Fault Analysis and offline Data Analysis.



## *One Small step for Patronics*

Patronics is proud to present a new quarterly newsletter **"THE ARK"**.

Patronics today is among the industry leaders specializing in the sales and service of marine navigation and communication equipment. With our steadfast aim to become a total solution provider, Patronics now embarks on a new project to provide our valued customers with up-to-date information concerning the maritime industry.

## *A Second Leap for 2006*



According the Time and Frequency Division at the U.S. National Institution of Standards and Technology an extra second will be added to 2005 to make up for the slowing down of the Earth's rotation.

The once common "leap second" is the first in seven years and reflects the unpredictable nature of the planet's behavior. For the first time since 1998, the International Earth Rotation and Reference Systems Service in Paris will sneak in an extra second at the end of the year to get time back in synch with the atomic clock, which is unwavering in its measurement of time on earth.

Raytheon Marine GmbH is alerting customers that the additional second will affect the performance of their on-board AIS systems, unless a manual re-synchronization takes place between January 1 and January 2. The "leap second" will affect all AIS systems and manufacturers such as Raytheon Marine are proactively notifying users around the world.

The Coordinated Universal Time (UTC) kept by the atomic clock is used as the time-base for all AIS systems. Unless re-synchronized the GPS-signal received by the transponder could fail to identify targets on the AIS display.

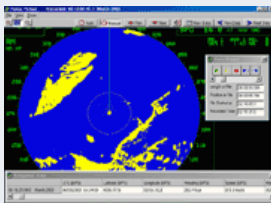
More details available on the internet  
<http://tycho.usno.navy.mil/leapsec.html>

## Totem VDR/SVDR



### Totem VDR/SVDR Owner benefits

- Owner's copy of data recorded on hard disk for one full year
- Data transfer ashore by remote queries through SATCOM
- Built in monitor with free IBS information
- Free replay on VDR screen or in office



### Totem VDR/SVDR Technical advantages

- Built in Siemens PLC for easy interface of Non NMEA systems
- Ten (10) independent audio channels, NO MIXING of audio channels

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# Raytheon Anschütz

## Raytheon Anschütz Once More

The 100th birthday of the gyro compass and with it the 100th anniversary of the founding of Anschütz & Co. have made the company once again aware of the outstanding importance of the name Anschütz in the world of navigation.

The positive responses with reference to the tradition connected with the name Anschütz - also from the circle of our business associates - have encouraged their partners and us to reinstate the name Anschütz in the company name and the company logo.

We are therefore pleased that from January 1, 2006, the firm will again bear the name

## Raytheon Anschütz

In the future Raytheon Anschütz would like to combine the strengths of the two product brands Raytheon and Anschütz, to whose tradition they feel an obligation.

The goals remain to use experience and competence in the development, manufacture, and sales and after-sales service for High Seas Products to be a strong partner in this product range in the future as well.

Raytheon Anschütz GmbH is a part of the International Programs of Raytheon Integrated Defense System, Tewksbury, MA, USA, Approx. 500 employees, and together with over 200 sales- and service representatives serves over 20,000 ships in the commercial and Naval fleet worldwide.

**J o k e s      A s i d e**



**Q:** How many shipping department personnel does it take to change a light bulb?

**A:** We can change the bulb in seven to ten working days, but if you call before 2 p.m. and pay an extra \$15, we can get it changed overnight.



A business owner decides to take a tour around his business and see how things are going. He goes down to the shipping docks and sees a young man leaning against the wall doing nothing. The owner walks up to the young man and says, "Son, how much do you make a day?" The guy replies, "150 dollars."

The owner pulls out his wallet, gives him \$150, and tells him to get out and never come back. A few minutes later, the shipping clerk asks the owner, "Have you seen the UPS driver? I asked him to wait here for me!"