

## PRESS RELEASE

### Thrane & Thrane Unveils The Industry's Most Powerful Aeronautical Satcom Solution

*The New Aero-HSD<sup>+</sup> (High-Speed Data) Enables e-mail, Internet Access, Live Video Conferencing, LAN/WAN Connection, Virtual Private Network (VPN)...*

**Copenhagen, Denmark, August 2002** - Thrane & Thrane, a leading manufacturer of satellite communication (satcom) terminals for the Inmarsat network, will at the **NBAA 2002 in Orlando, Florida**, unveil the company's latest and most advanced aeronautical satcom solution - the **Aero-HSD<sup>+</sup>**. The new system will be on display and demonstrated each day during the convention at the Thrane & Thrane booth #671.

The **Aero-HSD<sup>+</sup>** is a truly unique, multi-channel voice, fax and high-speed data solution, seamlessly integrating two Inmarsat services (Aero-H<sup>+</sup> and Swift64) into one system. The Aero-H<sup>+</sup> service provides two voice, fax, and PC modem data channels and one packet data channel for cockpit communications (e.g. CPDL and CNS/ATM). The Swift64 service provides a fourth high-speed data channel for ISDN, MPDS, G4 fax, Secure Telephone Equipment (STE) etc., providing business travelers with the same connectivity in the air as on the ground.

"One of the primary additions to the new **Aero-HSD<sup>+</sup>** is the Mobile Packet Data Service (MPDS) which enables this connectivity at an affordable price. With MPDS, you only pay for the data transmitted, not for the connection time. For business people traveling extensively, being online while in the air is much more than just a convenience; it has become essential to conduct business in the air the same way as on the ground." said Mrs. Gitte Elsing, Aeronautical Sales Manager.

"With the introduction of the new high-speed data solution, we enable corporations to make their aircraft a genuine part of the corporate network and at a reasonable investment."

The combination of the Aero-H<sup>+</sup> and Swift64 services provides an extremely cost-effective solution for live video conferencing, real time image transmission, LAN/WAN connection, e-mail, Internet browsing, Virtual Private Networking, making the **Aero-HSD<sup>+</sup>** the most powerful aeronautical satcom solution available in the near future.

In addition to the antenna and handsets, the **Aero-HSD<sup>+</sup>** consists of three main components: the Satellite Data Unit (SDU) @ size 3 MCU, the High Power Amplifier (HPA) @ size 3 MCU and a flatpack Diplexer/Low Noise Amplifier (DLNA). Weighing less than 27 lbs (12 kg), excluding antenna, the system is significantly smaller and lighter compared to similar systems, enabling less complex installation and reducing fuel consumption.

Phone: +45 39 55 88 00  
Fax: +45 39 55 88 88

E-mail: [info@tt.dk](mailto:info@tt.dk)  
Web: [www.tt.dk](http://www.tt.dk)

Thrane & Thrane A/S  
Lundtoftegårdsvej 93D  
DK-2800 Lyngby  
Denmark

**About Thrane & Thrane**

Thrane & Thrane is a leading manufacturer of satcom terminals for aeronautical, maritime and land mobile (vehicular and portable) applications. Since its incorporation in 1981, the company has focused exclusively on professional satcom solutions and is the only company in the world providing terminals in all Inmarsat market segments. With more than 70.000 Thrane & Thrane terminals in operation worldwide, our total market share within the entire Inmarsat market is around 35 percent.

For aeronautical applications, Thrane & Thrane develops, manufactures and markets satcom solutions for all types of aircraft including business and VIP-jets, military transport and patrol aircraft, helicopters, utility aircraft, UAVs etc. Our aeronautical systems include:

- the "store and forward" TT-3024A Aero-C for global aircraft tracking and two-way messaging (100% market share)
- the single-channel TT-3000M Aero-M for voice, fax and PC modem data (approx. 85% market share)
- the multi-channel TT-5000 Aero-I for voice, fax, PC modem data and packet data (approx. 45% market share)

With more than 70.000 terminals in use worldwide, Thrane & Thrane's market share within the Inmarsat market is around 35%. Information about Thrane & Thrane can be found at [www.tt.dk](http://www.tt.dk).

Last year, Thrane & Thrane won the contract from Inmarsat to provide the ground network (called the Radio Access Network or RAN) for Inmarsat's planned Broadband Global Area Network (BGAN). BGAN will support the fourth generation Inmarsat satellite network, providing data speeds of up to 432 kbps.

**More information about Aero-HSD<sup>+</sup>:**

For more information or pictures of the product, please visit [www.tt.dk/aero](http://www.tt.dk/aero) or contact Thrane & Thrane's Aeronautical Sales Department.

For more information on the Inmarsat services please visit [www.inmarsat.com](http://www.inmarsat.com).

Thrane & Thrane A/S  
Lundtoftegaardsvej 93D  
DK-2800 Lyngby.  
Denmark  
Tel.: + 45 39 55 88 00  
Fax: + 45 39 55 88 88  
[info@tt.dk](mailto:info@tt.dk)  
[www.tt.dk](http://www.tt.dk)