



## media information

12 August 2002

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### DANSKE TELECOM TO DEPLOY CAMBRIDGE BROADBAND'S VECTASTAR 3.5GHZ SYSTEM



#### **Cambridge, UK, 12 August, 2002**

Cambridge Broadband has announced the completion of a successful acceptance test of its VectaStar 3500 Fixed Wireless Access system with Danske Telecom of Denmark. System trials have been underway for some months to evaluate VectaStar's performance with respect to range, data rates and quality of service.

Network deployment will now continue with the deliveries of the next 10 base stations, due to take place shortly.

Danske Telecom has deployed two VectaStar base stations to date, serving multiple customer sites. In what is probably the toughest customer test so far, a tier one global carrier is using Danske Telecom and the VectaStar system to deliver a guaranteed data rate of 10Mbps. Although using just a fraction of the VectaStar sector capacity of 60Mbps this is believed to be a record for any 3.5GHz system in a live deployment. Modulation schemes from QPSK to 64QAM have been trialled and services tested so far include transmission of DVD quality video, full and fractional E1, and high-speed file transfer.

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Danske Telecom have also tested VectaStar's unique self-backhaul capability. This allows them to send aggregated customer traffic from a VectaStar base station to Danske Telecom's point of presence using a standard VectaStar radio link, with the benefit of avoiding a costly fibre or microwave point-to-point backhaul link. Cambridge Broadband developed the VectaStar self-backhaul capability because of feedback from network operators seeking to reduce the start-up costs of deploying broadband networks.

Danske Telecom selected VectaStar to fit with its strategy of becoming the "carriers' preferred carrier" by targeting Tier One Carriers, Mobile Operators, ISPs and Professional IT Business Partners. Danske Telecom's CEO Peter Jerry Sørensen said: "We enjoy working together with Cambridge Broadband who demonstrate a strong commitment and high levels of commercial and technical competences. The testing and deployment of the VectaStar 3500 system in Denmark has been very successful and both we and our pilot customers are very impressed. Cambridge Broadband have demonstrated that their 3.5GHz system can be integrated in Professional Carrier Class Services, and we are convinced that the VectaStar system will support our strategy for delivering high-end services to the carrier and professional business market."

Cambridge Broadband's chief executive Peter Wharton commented: "Danske Telecom are an excellent example of how new operators can build an exciting business by exploiting the best of new technology. We are delighted by this recognition of VectaStar's carrier-class abilities and we look forward to the next phase of deployment with enthusiasm."

He went on to say: "These trials endorse the VectaStar performance difference and will put a line in the sand as far as other FWA systems are concerned – one that they'll find very hard to cross."

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As a carrier class system, VectaStar delivers multiple, high bandwidth broadband services such as E1, ATM access, GSM and UMTS backhaul with a guaranteed quality of service. VectaStar's long-range ability and excellent non line-of-sight performance delivers a high level of coverage. This allows operators to cover their customer base with far fewer base stations, thereby significantly reducing their capital expenditure. An independent report by the Strategis Group identified VectaStar 3500 as the world's leading carrier-class system, with data rates at up to 60Mbps, twice those of its nearest rival.

Financial terms of the agreement are not being disclosed.

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## notes

1. For more information about any of the issues in this press release, please contact Nicky Dibben, Invention Marketing Limited, e-mail [nicky@invention-marketing.co.uk](mailto:nicky@invention-marketing.co.uk), phone +44 (0) 1223 235399.
2. Photograph, caption "View from VectaStar subscriber unit towards base station tower", is available electronically, please contact Nicky Dibben (as above).
3. A PDF version of this press release is available, please contact Nicky Dibben (as above).
4. 'Fixed Wireless: The Emerging Vendor Landscape', by independent industry analysts The Strategis Group, was authored by Peter Jarich and Randall Haley. The report's conclusions underpin the Cambridge Broadband [VectaStar business case](#), which clearly shows how network operators can benefit in terms of return on investment.

## About Cambridge Broadband [www.cambridgebroadband.com](http://www.cambridgebroadband.com)

Cambridge Broadband has pioneered the development of carrier-class, point-to-multipoint broadband wireless access equipment for network operators wishing to deploy high-capacity, multi-service networks. The company is focused on delivering high quality multi-service networks with the best price-performance in the 3.5GHz band for license holders worldwide. Cambridge Broadband was formed in January 2000 by an experienced team with a strong record of successful innovation in broadband wireless design.

## About VectaStar

Cambridge Broadband's 3.5GHz VectaStar 3500 system offers the most advanced combination of high bandwidth, high coverage and extended range on the market. It supports multiple carrier-class services simultaneously, each with robust QoS and has a 240Mbps duplex base station capacity that can deliver up to 60Mbps full duplex to an individual customer. VectaStar has excellent non-line-of-sight capability and self-backhaul at ranges up to 20Km, making it a compelling solution for network operators looking to deploy high-capacity multi-service networks.

## About Danske Telecom

Danske Telecom A/S is a 100 percent Danish owned telecoms operator, owned by the BankInvest Group and the Danish Railway Authorities. Danske Telecom has two FWA licences in the 26GHz and 3.5GHz bands and has its own nationwide transmission network covering the 20 largest cities in Denmark. The company's vision is to become the best supplier of voice, data and Internet access lines and related services in the Nordics.