

■ The Capsat® Messenger
– keeps you in touch



www.tt.dk/landmobile

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Distributor:

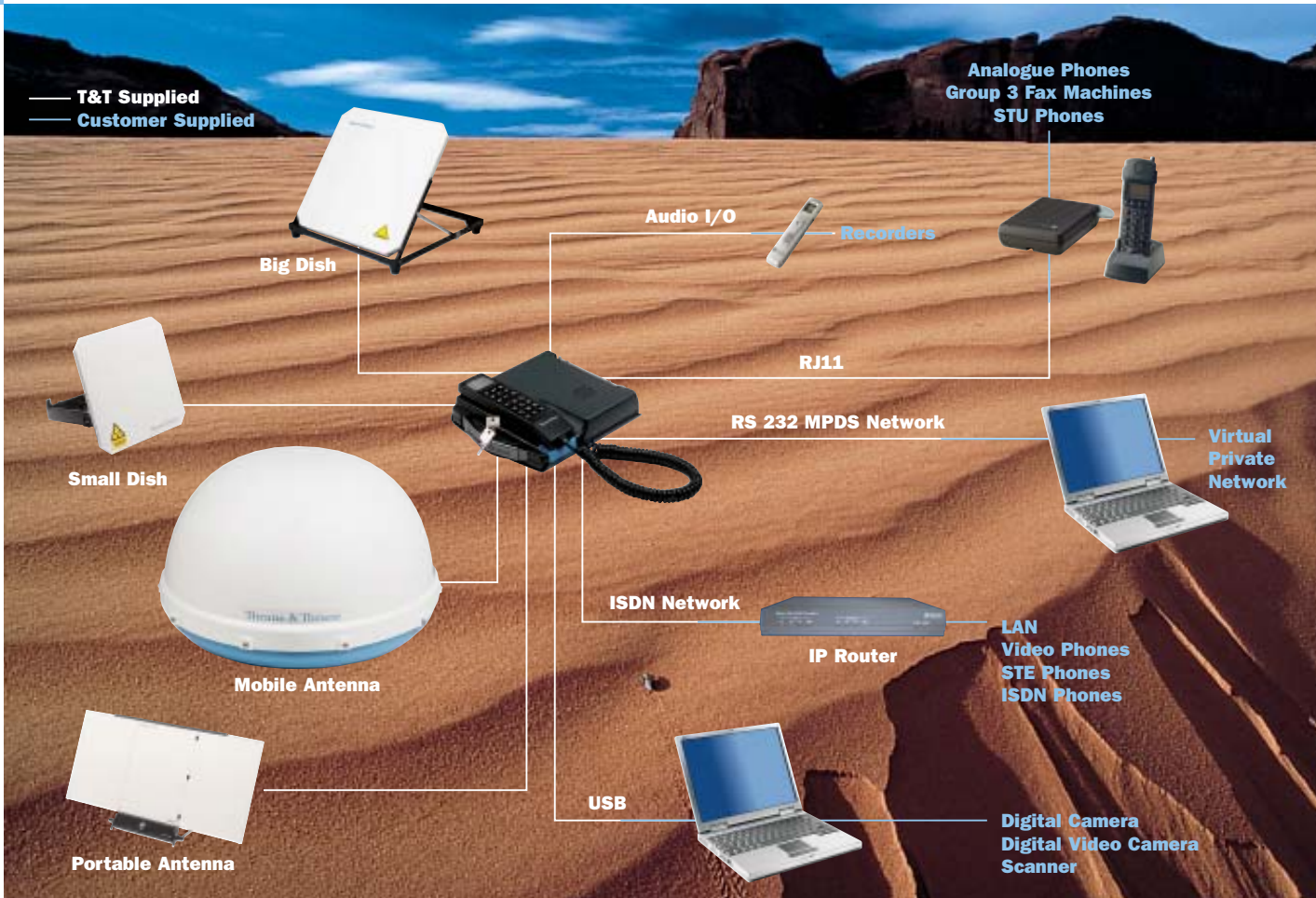
Ambicon

Thrane & Thrane
We bring satellite communication down to earth

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SPEED IN A BRIEFCASE



Paris Dakar 2002 sponsor project.



Online, all the time

Should you prefer to be online all day then you can select the Mobile Packet Data Service (MPDS). MPDS is a digital communications technology that packages data in a manner that enables it to be sent in packets through channels shared by other users – similar to your normal IP networks.

Individual users are charged only for the amount of data they send, not for the time they are online – enabling them to remain online all the time at no extra cost.

MPDS is the most economic and convenient solution for e-mail, small to medium size file transfer and constant online access to your corporate intranets, extranets, and Internet services.

A versatile solution

The Capsat® Messenger provides complete remote office connectivity and versatility. Simply connect your laptop to the RS-232 interface and draw on the full power of the corporate intranet, e-business applications and the Internet. You will feel like you are back home in your office!

Remote offices can even provide online access for several users at the same time by connecting an ordinary ISDN router to the ISDN interface of the Capsat® Messenger.

Journalists can connect a digital audio tape recorder to the unique audio interface, tape an interview and send it back to their editor while listening and making comments as the material is transmitted.

Set up a local telephone exchange by connecting a DECT telephone with up to six handsets to the RJ11 port on your Capsat® Messenger. This provides direct dial services all over the world from the bottom of a foundation pit or the top of a bridge pylon using a simple, handheld unit.

It puts a world of opportunities in the hands of the traveller or the person living in a remote area.

Speed, safety and cost play a dominant role in the business society of today especially when located in remote corners of the world.

With the Capsat® Messenger unit you are now able to get connected via satellite at ISDN speed.

The high speed data rate of 64/56 kbps means that you amongst other things can browse the Internet, send and receive e-mails, conduct video

conferencing, send a fax or speak on the phone anywhere on the globe.

The Capsat® Messenger also offers a standard connection option for voice and fax services where this might be more economic.

Portability

The Capsat® Messenger is designed with mobility and ease of use in mind. The transceiver is housed in a magnesium case, making it ideal for rugged

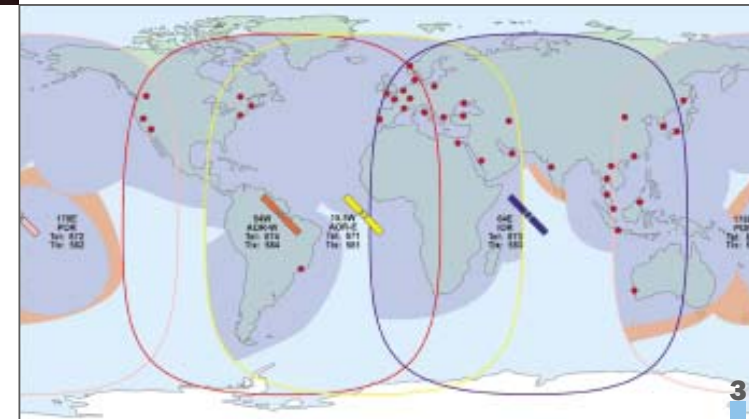
outdoor use and the various antennas are easy to deploy. The built-in acoustic signal strength indicator helps you find the satellite with ease.

Combining the transceiver with one of our portable antennas gives you a system that weighs around 5 kg.

As illustrated above our various antenna options enables you to find the solution that matches your needs.

Establishing a 64/56 kbps connection has never been easier. With the Inmarsat Global Area Network (GAN) you are online the moment you log on. Together with the Capsat® Messenger, this makes mobile data connectivity via satellite about as easy as logging on from an office desktop.

Inmarsat Coverage Map



FAST HELP IS TWICE THE HELP



The United Nations helps millions of people around the world, reuniting families uprooted by war or civil strife, and providing emergency relief to victims of famine and natural disasters.

Rapid response

Many UN soldiers work in remote areas without access to conventional communications. A Danish UN peace-keeping force in Eritrea was in charge of removing landmines. Armed with no more than a Capsat® Messenger terminal, a laptop computer and a digital camera, the commanding officer was able to lead his men into the field with all of the tools and resources he would normally have at his fingertips back home.

The Capsat® Messenger enabled him to deal quickly and efficiently with emergencies. He was able to call rescue and medical support if local people strayed into minefields or soldiers in his company were injured, thus quickly resolving life-threatening situations.

Prompt and efficient

UN troops can use the Capsat® Messenger to order supplies simply and quickly from headquarters. A direct link to the global procurement catalogue provides an instant overview of available supplies and delivery times.

Progress reports from disaster areas are submitted by e-mail with photo attachments to illustrate the seriousness of various situations.

Closer to home

Things are never what you expect when you are far from home, but with the Capsat® Messenger these UN soldiers are in close contact with headquarters and their families.



E-mail

E-mail is now as simple to use in the outback as when you are in the office



Portable Antenna



SAVING MONEY AND TIME



A South African mining company with research and exploration teams in remote areas decided to exploit the enormous potential of implementing satellite based communication solutions.

The company decided to buy two Capsat® Messenger terminals, one with a Big Dish antenna for fixed installations and one with the Small Dish antenna for their research and exploration teams.

Secure connection

At the fixed site the Capsat® Messenger is being used to transmit the daily production figures to Head Quarters. This is being done via a VPN (Virtual Private Network) connection in order to ensure that the data is

transmitted securely and also allowing the remote user access to the Network at Head Quarters. The VPN set-up is very simple requiring computers at both ends running Windows 2000 with the VPN setting enabled.

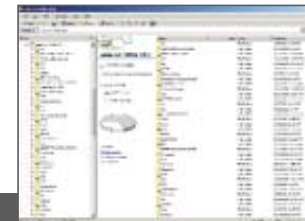
In the field the same set-up is deployed in order for the research and exploration teams to share information instantly across the organization.

By deploying the Capsat® Messenger in an appropriate manner, the company makes considerable cost savings as research and exploration teams no longer need to spend unproductive time travelling to meetings thousands of miles away.



Reporting

Instantly send geological reports back to head quarters via a secure VPN connection



Corporate Network

Via the MPDS service you can cost effectively connect to your companys' intranet



Big Dish Antenna



Small Dish Antenna

COMMUNICATION IN THE OUTBACK



The Upper Murray Regional Mobile Library (UMRL) provides library services across a wide area in southern New South Wales and northern Victoria. The terrain varies, from the valleys at the foot of the Snowy Mountains and the Victorian High Country to the plains around Urana. Not all sites are powered and no modern communications infrastructure is available at any site.

Elimination of errors

Two mobile libraries operate on a fortnightly schedule. Previously, these two mobile libraries used an "offline" database to record borrowing and reservation transactions. These databases could not be reconciled with the central database until the vehicles had returned to head office in Wodonga. This often resulted in errors, while people making reservations via other branches were never completely sure whether books were available or not.

With the Land Mobile Capsat® Messenger, each vehicle now has real time access to the UMRL database and a number of other library databases. This has eliminated errors and enhanced the quality of reservations. In addition, drivers now have Occupational Health and Safety benefits.

Cost-effective

The solution implemented with the two Land Mobile Capsat® Messenger systems uses the Inmarsat Global

Area Network MPDS service. As MPDS services are billed according to data volume and not time spent online, this means considerable cost benefits when librarians search the database. This is a fairly time-consuming job, but one that involves relatively little data transfer.

The MPDS solution is also technically more straightforward as it uses the Windows 2000 Internet sharing service without the need for a router, thus making support & operation simpler.



The two PCs located in the mobile library have a web-based client program that communicates with a web server at the UMRL head office. This system provides the same functionality that is available to a librarian at a normal branch library.

Enhanced service

The UMRL is committed to providing a service of the highest possible quality across the entire region. Distances and difficult terrain, lack of infrastructure, and limitations in communication all combined to prevent the mobile libraries from providing anything more than the most basic of services.

The Land Mobile Capsat® Messenger now enables the UMRL to maintain the flexibility of its service whilst providing the maximum level of connectivity with real time access to its Library Management System and to the Internet.



Mobile Antenna



Librarian connected to the central database using MPDS

