



Mobitex[®]
System presentation



mobitex.com





Robust.

Completely reliable mobile data communication

Mobitex is an advanced technology for wide area wireless data communication.

The technology, specially designed for commercial and business applications, is already widely used throughout the world. Mobitex offers fast and secure data transmission with guaranteed availability around the clock. This brochure provides an overview of the advantages that Mobitex offers today and some examples of how the technology is used in different industries.

A tool for professionals

Mobitex is a powerful tool that gives professionals full control over business-critical tasks. Although detailed requirements may vary in different industries, companies that introduce mobile data often have the same objective - to reduce costs and shorten lead times while improving customer service. By introducing wireless data as a tool for increasing efficiency, more tasks can be performed in less time and with fewer resources.

Unparalleled experience

As an early market leader with innovative mobile data solutions Mobitex has assembled unique expertise and experience enabling the development and refinement of the technology. Today Mobitex offers integrated business solutions of a quality that is unparalleled.

Absolutely reliable communications

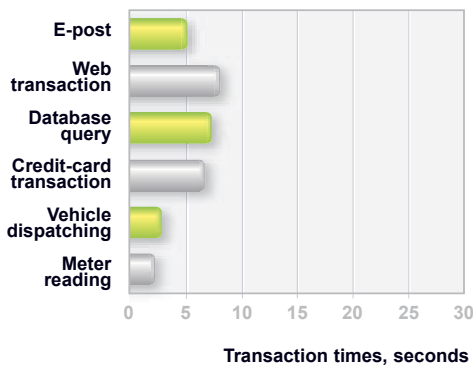
Mobitex is based on packet data technology, which means that data can be sent and received continuously. Users do not have to connect to the system, but are instead always online and reachable. Because Mobitex is designed exclusively for data traffic, availability can be guaranteed. Mobitex provides absolutely reliable communications.

Customized solutions

Mobitex provides the building blocks required for creating a customized wireless solution for your company. Today there is a community of partner companies offering hardware and software products and professional services for Mobitex and providing applications and equipment that meet a full range of requirements.

Secure.

Mobile data for demanding professionals



Because the data and information that companies send is often mission critical, a wireless data network for professional use must always function without errors. Secure transmission and short response times must be guaranteed. Functionality that facilitates ease of use is also essential. Mobitex provides these features today.

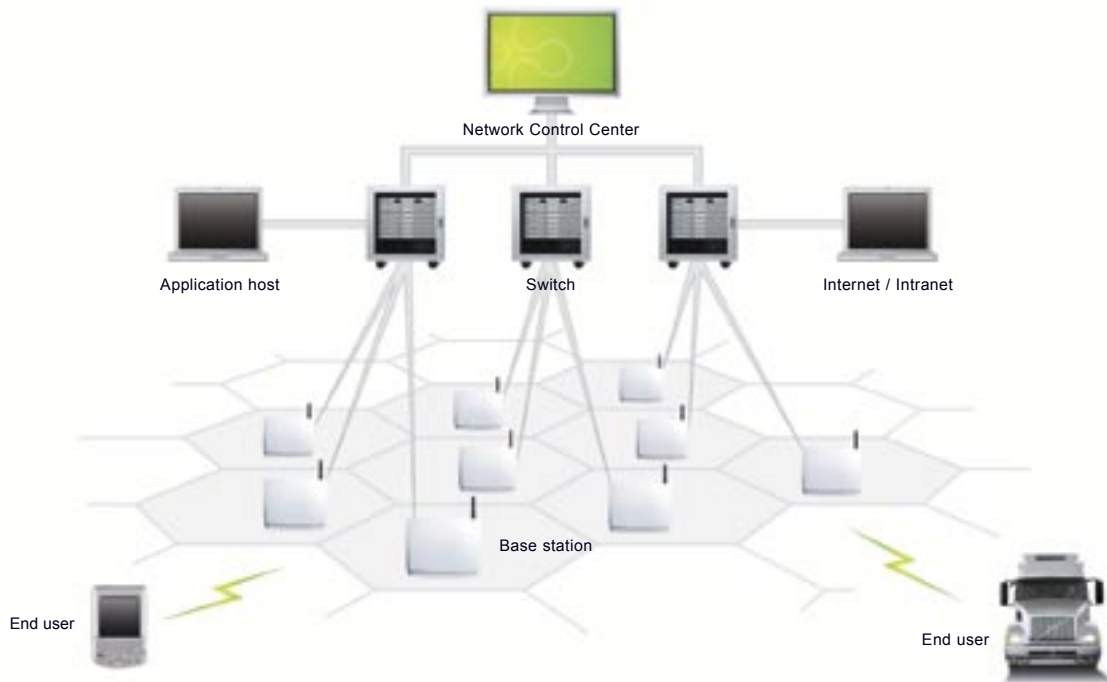
Reliable and secure data transmission

Mobitex uses a combination of sophisticated techniques to ensure that all information is transferred without error. Delivery receipts, error correction and redundancy are among the system functions which guarantee that no data transmission errors can occur and ensure that data is never lost. Even in the unlikely event that parts of the system are out of service,

data is automatically re-routed in the network. With Mobitex, no data is lost during transmission and if for any reason the user cannot be reached the information is automatically stored by the system until the user is active on the network again.

High availability and guaranteed delivery

Mobitex is structured to guarantee availability and optimal performance regardless of the time of day, even when the network is heavily loaded. This is particularly important for customers who demand service guarantees in conjunction with situations in which radio communication networks can often be congested, such as during rush hours, at major events and in case of an accident or catastrophe. This is possible because unlike most network technologies Mobitex was specifically designed for



data and because data traffic never needs to compete with voice traffic.

Information delivered directly

In a Mobitex system, each subscriber has a unique and fixed address, and the network always knows where all subscribers are located. Information can therefore be sent (pushed) to any subscriber in real time without the subscriber issuing a request. This functionality is particularly useful for control and monitoring of equipment, but can also be used to send broadcast messages to various user groups, such as all buses or all electronic signs within a given area.

Fast response times

From the outset Mobitex was designed to handle time-critical information. With Mobitex, there are no time consuming connection or activation procedures,

and messages are delivered in just a few seconds. Normal response times for typical Mobitex transactions are less than ten seconds. Mobitex is therefore ideal for professional applications in which fast response times are essential.

Long battery life

The Mobitex system is equipped with a number of functions that significantly reduce the power consumption. As a result of introducing these functions, battery life in a Mobitex enabled terminal lasts up to 16 times longer than before.

Future-proof

Both large international organizations and hundreds of smaller companies all over the world are already using Mobitex for business-critical wireless data communications. New functionality is being added and the system is being

improved continuously to ensure that Mobitex will remain a product at the forefront of technology that will continue to meet the needs of demanding professionals.

Fast facts

Reliable and secure data transmission

100% secure transactions

High availability and guaranteed delivery

Optimal performance around the clock in all situations

Push functionality

Information is delivered directly

Fast response times

Responses within seconds with no activation required

Long battery life

Up to 3 weeks



Proven.

Mobile data that meets many requirements

More and more companies are introducing wireless data in their operations to meet the demands of an increasingly mobile and more customer-focused workforce. In operations where rapid response times and high security are prioritized, Mobitex sets the standard for business-critical wireless data communications.

Transport and logistics solutions

In an industry where competition is fierce, efficient fleet management is often the single most critical factor for the competitiveness and profitability of a transport and logistics company. With Mobitex, communication between drivers, loading docks and dispatchers can be rationalized and automated, thus resulting in reduced miles driven and increased load factors. By supplementing the system with satellite positioning (GPS), operators at the dispatching center monitor the vehicles in real-time and retrieve information that has been scanned in from bar codes on the goods. If this information is posted on the Internet, customers can also follow their shipments in real time. Put simply, a wireless system for fleet management helps transport and courier companies to save vehicles, miles, time and work.

Sales and service organizations

For professionals working in the field, a wireless handheld computer quickly becomes an indispensable tool. Professionals need powerful and dura-

ble terminals with reliable and simple data communication. Using a handheld computer, operatives can receive work orders, order spare parts, check service logs and prepare invoices directly from the customer site, thus reducing back-office processing while increasing the number of revenue-generating customer visits. Sales and service organizations that implement a mobile data application in their operations can improve profitability in a short time while dramatically increasing customer service levels. Measured by productivity improvements alone, the investment often pays for itself in less than a year.

Police, Rescue Services, and other Public Authorities

Mobitex has been extensively evaluated and certified as a secure and efficient means of communication by numerous police and rescue services in Europe, Asia, Australia and the Americas. Police authorities use Mobitex for locating vehicles, coordinating resources, reporting incidents and wirelessly acces-



Sales organisations



Local transit companies



Security companies



Water companies



Energy companies



Police and rescue services



Transport and logistics companies



Banks and stores



Service organisations



Domestic services

sing central databases, such as vehicle and criminal records. The Police Officer can thus obtain the correct information quickly and easily without needing to contact a central dispatcher. In another public service application, Mobitex can be used to locate the nearest ambulance and to quickly dispatch it to the correct address to deal with a medical emergency. The ability to send status reports and to transfer patient data provides an opportunity to make an early diagnosis and begin treatment en route to hospital. This capability not only increases efficiency, but can also save lives.

M2M communication

Thanks to its high security and built-in push functionality, Mobitex is the perfect choice for wireless remote monitoring of equipment such as water or electricity meters, parking ticket machines, vending machines and security and process equipment. A wireless system for remote monitoring has many advantages, compared with the fixed telephone network. Wireless alarms, for example, are easier

to install and more difficult for thieves to sabotage. Mobitex is also used by municipalities for controlling and monitoring contractual work such as garbage collection. Today, wireless communication between machines is not only very cost-effective. It also means that parts of the operation run themselves and that employees can devote their time to more qualified tasks.

Public transport and taxi companies

In a fully deployed Mobitex system for public transport, all buses and trams, as well as various fixed installations, such as signs at bus stops and rail switches, are connected wirelessly. This system not only guarantees availability and reliable communications under normal traffic conditions, but also at times when the greatest number of people are traveling. Vehicles continuously report their position and status in relation to the timetable - drivers and passengers thus always have current information about possible delays. This information is displayed at stops on electronic signs, but

can also be accessed on the Internet. A well-functioning public transit system results in more people leaving their cars at home, which in turn leads to positive effects for the city and the environment.

Wireless payment

The security level and the response time of the network are crucial when dealing with wireless transactions. With Mobitex, credit and debit card transactions can be processed in less than 5 seconds from any location. This means that payment can be accepted at the point of interaction, whether it is directly at the customer site or in temporary locations such as exhibition halls and football arenas. Wireless connectivity is also used where landline is more expensive, unavailable or less secure than a wireless solution. Both Visa International and Master Card have certified Mobitex applications as a secure method of payment.

For more information, please visit:

www.mobitex.com

