

ACCESS AROUND THE WORLD
CELL PHONE AND MOBILE GLOBAL INTERNET

Currently some 80% of the earth's surface and 40% of the world's population cannot be reached using traditional telecommunication. LEO SAT COURIER establishes immediate and inexpensive voice and data communication any time of the day and anywhere in the world. Such wide ranging communication particularly in sparsely populated areas cannot be provided by other satellite systems or by ground-based networks. To prosper and advance, developing nations need access to the information and technologies available through the World Wide Web. While various

Internet infrastructures exist, weak communication systems often cause difficulty in linking users and information sources. This rapidly growing demand for Internet services cannot be satisfied by conventional communication infrastructures.

LEO SAT COURIER provides a universal interface for mobile Web use, offering efficient and cost-effective access to knowledge and services. Accessing tele-medicine, distance learning, online banking, and other technology applications opens the world to communities serviced with efficient access to the Internet.





The world's largest satellite network for telecommunication being under realization, LEO SAT COURIER, is comprised of 72 low earth orbit satellites for global cellular phone and data transfer with applications in the fields of logistics, telematics, tele-medicine and ecological monitoring. Information can be passed from satellite to satellite providing cellular telephone operation anywhere and any time. In addition, LSC can also take over an overlay function and intermesh mobile and other telecommunication networks worldwide.

GLOBAL LOGISTICS AND TELEMATICS

Global reach, mobility and flexibility are today's demands. Bundling the satellite-based services of LEO SAT COURIER, GALILEO, GPS, and GLONASS directly into the hands of the end user is the path for future traffic telematics and logistics. Satellite-based positioning and communication open to all kind of traffics (road, rail, maritime and aviation) entirely new opportunities to utilize regional and supra-regional traffic engineering and management systems.

ONE WORLD ONE NETWORK

WELTWEITE TELEFONIE • DATENTRANÜBERTRAGUNG • INTERNET - IMMER UND ÜBERALL

BRINGING THE EARTH INTO FOCUS GLOBAL MONITORING FOR ENVIRONMENT AND SECURITY (GMES)

The integration of a remote sensing into the satellite's telecommunication architecture opens up opportunities undreamed-of in the field of Global Monitoring for Environment and Security. The LEO SAT COURIER-based opto-electronic remote sensing component is a kind of „flying eye“ watching the earth day and night. The real-time data gathered will be provided for services such as: Ecological Monitoring • Geo-information services • National Security • Exploration and exploitation of natural resources • Environmental management • Agriculture and forestry • Infrastructure. Thus, the growing demand of the people for more safety can better be met in future. The innovative services open up new prospects on the telecommunication's growth market.

ANYTIME AND ANYWHERE CATASTROPHE WARNING AND MANAGEMENT SYSTEM

As a rule, natural and unnatural catastrophes also inflict destruction on the infrastructure, including the earth-based telephone and data networks, of those regions affected. Therefore, only a non-earth-based global mobile communication system such as LEO SAT COURIER can even in the event of a crisis rapidly distribute warnings into the regions endangered and deliver mobile communication services for an effective crisis management and critical aid efforts without restriction at any time and in any location. The meteorological centres in the world will have prioritized access to such an LEO SAT COURIER-based emergency call system which - being an integral part, for example, of a mobile telephone - will have the capability of giving differentiated warnings to the user at risk in a fraction of seconds.

