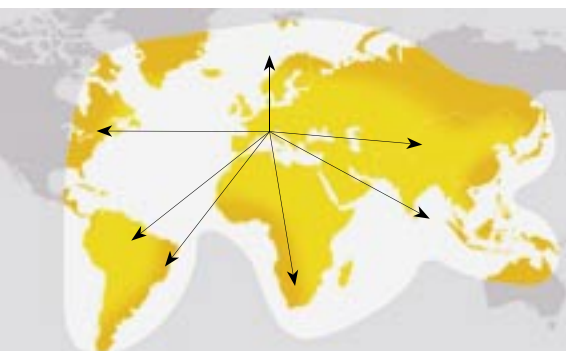


Satellite broadband for business



From the Turin teleport broadband coverage reaches four continents

Connection to the world from a single teleport

Skylogic bi-directional broadband: a wide-ranging technological solution

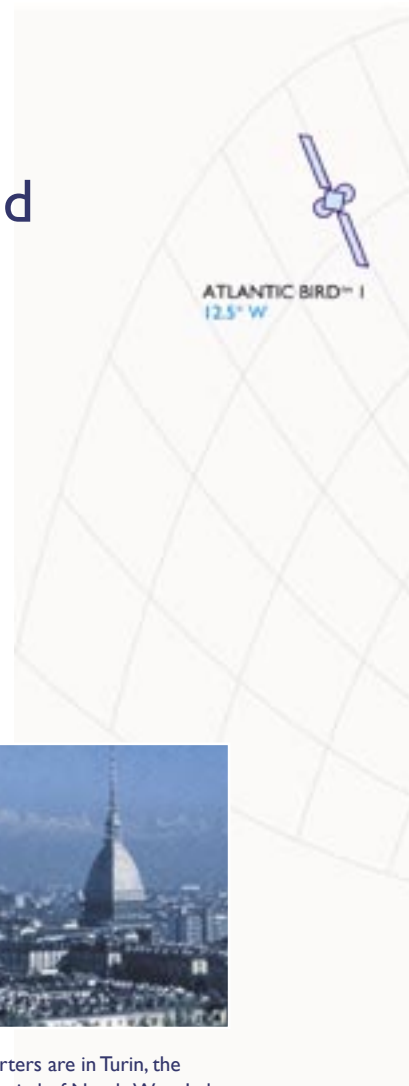
Skylogic supplies broadband IP (internet protocol) satellite communication services for small and medium-sized businesses, great industrial conglomerates and the Public Administration. The company, based in Turin, is a subsidiary of Eutelsat, a leading worldwide satellite operator marketing capacity on 23 satellites, supplying coverage to over 150 countries, from the Americas to the Pacific, and reaching 90% of world population.

The Skylogic teleport in Turin is the home of one of the largest platforms for bi-directional IP services in the world and is supported by a highly specialised team that controls the whole network, assigning band and ensuring service quality 24 hours a day. Skylogic satellite networks are interconnected with the fibre optics of the major operators in the sector and spread over Europe, the Mediterranean basin, the Middle East, North Africa and the Americas.

Through its own organisation of authorised distributors Skylogic offers services for:

- Broadband internet
- Sat-Wi-Fi
- Satellite VPN
- VoIP telephone calls
- Remote control of industrial installations
- Other streaming and teleport services

A large number of applications are possible using D-STAR, the new high speed internet access and data exchange service that makes use of the power of e-Bird, the first satellite in the world designed and placed in orbit by Eutelsat exclusively for broadband communications.



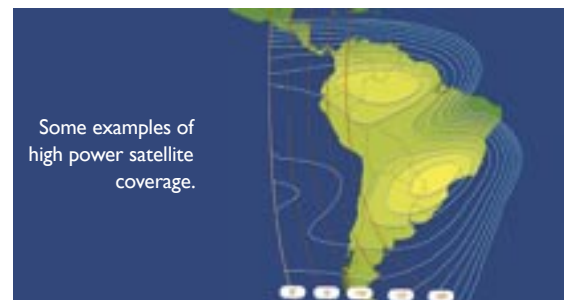
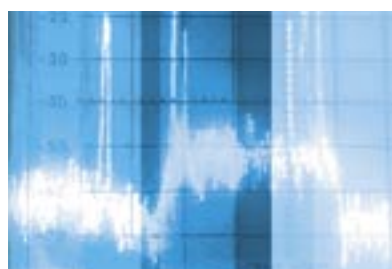
Skylogic's headquarters are in Turin, the elegant, dynamic capital of North-West Italy



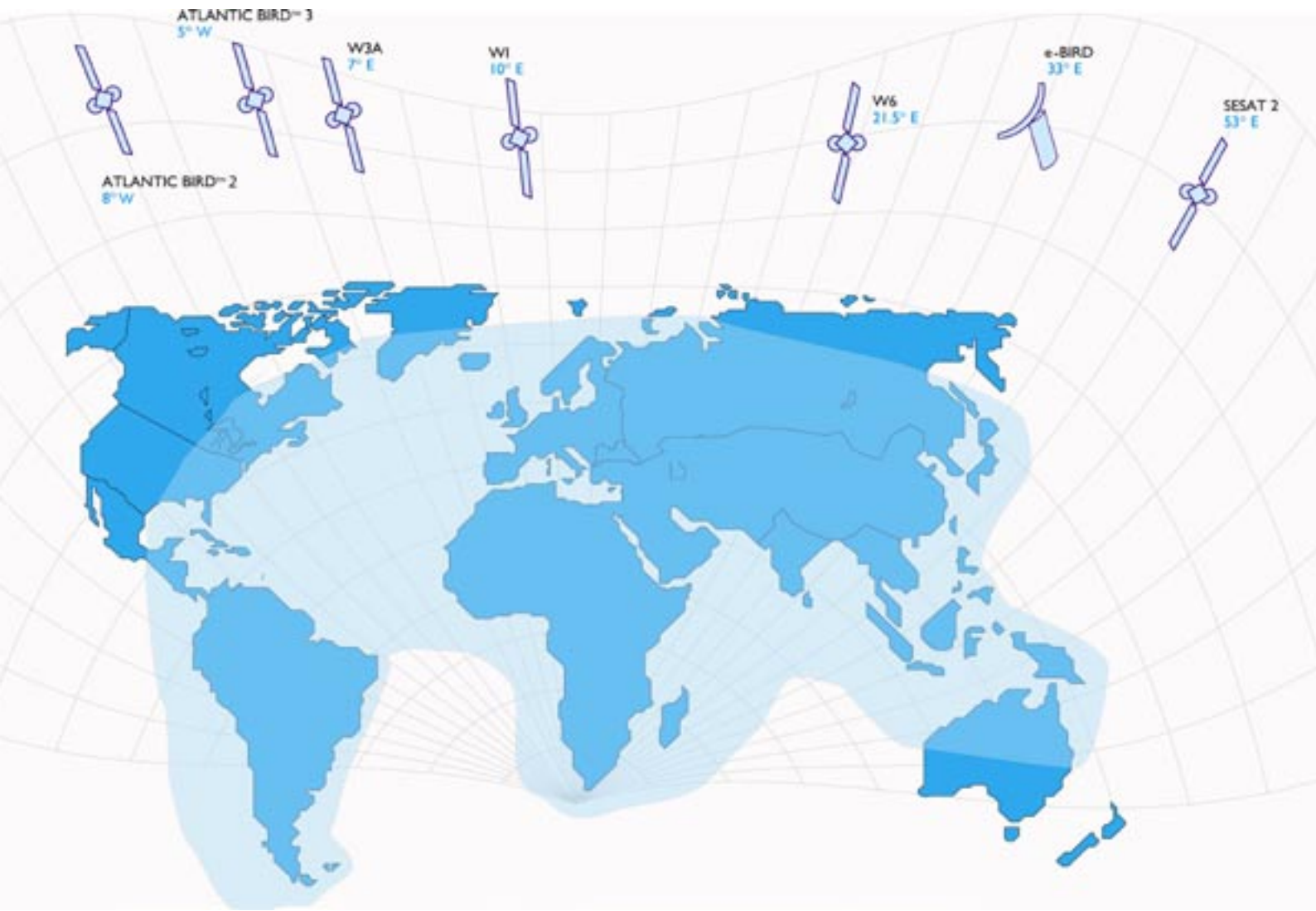
A huge control centre operating 24 hours a day, 365 days a year



Continuous bit-rate monitoring for every client



South America



SATELLITE	ORBITAL POSITION	COVERAGE
ATLANTIC BIRD™ 1	12.5° West	Europe, Middle East, Americas
ATLANTIC BIRD™ 2	8° West	Europe, Middle East, Americas
ATLANTIC BIRD™ 3	5° West	Europe, Africa, Americas
W3A	7° East	Europe, Middle East, Africa
W1	10° East	Europe, Middle East, Africa
W6	21.5° East	Europe, Middle East, North Africa
e-BIRD	33° East	Europe
SESAT 2	53° East	Europe, Middle East, North Africa, Asia

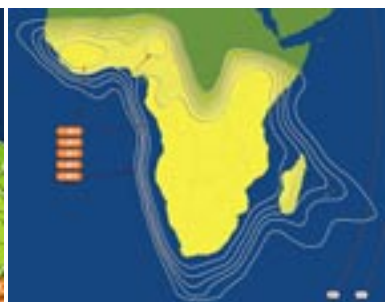
At the moment the Skylogix network uses 8 satellites in the Eutelsat fleet but coverage is continually growing



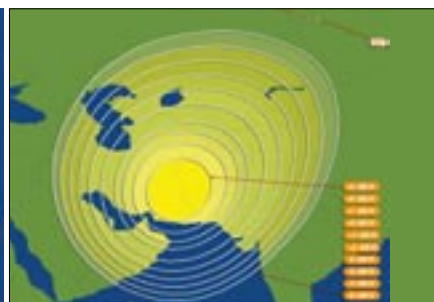
Europe



Europe



Sub-Saharan Africa



Part of the Middle East and South-Central Asia

Business services

INTERNET & WI-FI

Trouble-free web access

Surfing the net, e-mails, access to company databases and file transfer: Skylogic offers a service with uniform quality all over the world, either by subscription or with shared band (IP Access), or with dedicated transmission band.

Bi-directional satellite access to internet is reliable and fast and is a perfect alternative solution whenever broadband connectivity on terrestrial networks is not available.



For this, the state-of-the-art in wireless communication is SAT-FI (Sat & Wi-Fi): a tool for taking broadband into city centres and mountain villages alike, and for creating local high speed networks without the need for excavation and cabling.

VPN VIA SATELLITE

Greater security for private information sharing

Using a satellite VPN (Virtual Private Network), businesses are able to greatly extend the boundaries of their internal communication networks to the remotest places all over the world and create a secure, low-cost interface with any office, partner, supplier or client.

Sites connected using satellite VPN solutions support the following

applications:

- Data/video interchange
- VoIP
- Fax transmissions
- Videoconferences

VPN solutions via satellite can now be fully integrated with terrestrial business networks and respond to the needs of private and institutional users who process sensitive data.

VOICE OVER IP

Low-cost telephone calls

The telephone is able to interact with computer networks and exploit the advantages they offer: it is now possible to make a call via satellite at competitive prices to wherever your business has an office.

But with VoIP it is also possible to communicate with the traditional telephone network and reach all your operations centres at no cost.



TELEMETRY AND TELE-MONITORING

Possible even from far away

The satellite is the ideal tool for evaluating and measuring your various business parameters, at any location. Using the satellite it is also possible to evaluate the operation of remote machinery and reset or regulate operation in real time without leaving the office.

An outstanding example of this service has been the partnership with



Renault and Minardi in Formula 1 racing.

VIDEOCONFERENCES & E-LEARNING

Meeting all your counterparts at a click: wherever they are, at no increased cost

Using videoconferencing software developed by Skylogic's partners it is possible to converse wherever you are using a dual solution: either a "point-to-point" or a group video-conference.

The Skylogic solution includes:

- Videocommunication
- Integrated contributions: films, slides, acetates, viewgraph
- File sharing

The videoconference systems are also used for e-learning, i.e. distance training.

VIDEO STREAMING

Television on the web

With satellite broadband it is now possible to receive television programmes on one's own PC. An important innovation, also for business communication: with its proprietary technology Skylogic is able to load complete television programmes into the PC to create "business TV".





Market applications

BUSINESS NETWORKS

All as one

Satellite services are suited to every requirement for access to the business network, supplying rapid connectivity to remote offices. This makes a perfect replacement to the fixed network in areas that terrestrial connections cannot reach: the satellite is the secure, guaranteed communication channel for company sites and for supporting day-to-day communication activities, including broadband internet services, video/data exchange, video conferences, voice over IP and remote control.



EXTREME SITUATIONS AND EMERGENCIES

Technologies for rescue services

The small D-STAR appliance with its streamlined structure is highly flexible and easy to install. This is why it is the perfect solution for supplying communications and video surveillance in extreme and high-risk situations.

Key features:

- Rapid activation
- Costs independent of the distance
- Guaranteed end-to-end service quality

The system has already been used successfully in places where the local population was at risk from catastrophic events, such as earthquakes, volcanic eruptions or melting glaciers, making it possible to

coordinate rescue operations in such circumstances.



Outstanding examples:

- The Adamello Glaciers at 3,200 m
- Offshore oil platforms
- Fly-away in the desert
- Areas of Sri Lanka hit by the tsunami

PUBLIC ADMINISTRATION

Public services in the remotest areas

With satellite, Public Administrations can supply broadband services to citizens and companies, independently of the terrestrial



infrastructure available in the area. Using a combination of satellite broadband and other technologies such as Wi-Fi, PLC, it is possible to obtain global coverage and distribution of high-speed Internet

services as well as other innovative broadband services at a local level. Using the small and easy-to-install D-STAR terminal, Public Administrations can quickly and economically deploy a real broadband infrastructure offering quick access and exchange of information to households and businesses of the area.

MOBILE AND MARITIME SERVICES

A landing place even on the high seas

For naval applications, from yachts to cruise ships, merchant and military vessels, the D-STAR service offered by Skylogic is perfect for supplying the following on-board services:



- Data transmission
- VOIP telephone calls
- Backbone access
- E-mail and fax
- Video and films
- Access to corporate networks
- Maritime weather forecast updates in real time
- Banking and stock exchange services
- Videoconferencing
- Downloading of files



ACCESS

The range of Skylogic services

Broadband Internet services

High speed internet access on shared bandwidth: this offers high-speed surfing and downloading of large files. The bi-directional modem can be connected to a business LAN

to serve a small terminal network. Two main types of subscriptions are available depending on capacity needs and number of PCs connected.

UPLOAD	DOWNLOAD	No. computers
Access Coliseum		
512 Kbps max	1024 Kbps max	10 max
Access Premium		
1024 Kbps max	2048 Kbps max	15 max

Typical applications

- Broadband Internet
- High-speed download, data access and updating

CONNECT

Tailored satellite connectivity

Fully customised and dedicated bandwidth to service enterprise sites or create virtual private networks. With the CONNECT solution it is possible to assign a highly personalised bandwidth

quantity, adapted to specific project needs. Satellite broadcasting capacity also makes it possible to send the same content to several users simultaneously, thus drastically reducing transmission costs.

UPLOAD	DOWNLOAD
Connect	
from 64 Kbps up to 1 Mbps	from 64 Kbps up to 8 Mbps

Typical applications

- Broadband internet and Wi-Fi
- VPN via satellite
- Voice over IP
- Telemetry and telemonitoring
- Back-up services

WORLDWIDE NETWORKS

Turnkey solutions for worldwide networks

Turnkey solutions, based on bi-directional broadband technology offering guaranteed, dedicated capacity for connecting your networks worldwide. Our Worldwide Networks solution responds to the need to connect distant offices and branches

all over the world, offering the same service quality using several satellites, with the same rates and technology at competitive prices. The solution also includes project management and services 24 hours a day from the central teleport headquarters.



D-STAR terminal and bi-directional antenna, quick and easy to install

Wireless on the Web for everyone

Internet access and interconnection over long distances, virtual private networks, multi-site videoconferences and datacasting: thanks to D-STAR, the digital divide is no longer a problem.

A real technological gem, with D-STAR it is possible to receive and transmit from any location, without the need for a terrestrial line. And with Wi-Fi wireless technology it is possible to obtain global coverage and access distribution, also at the local level (between rooms or buildings, or in towns).

With Skylogic: no-one is left out.

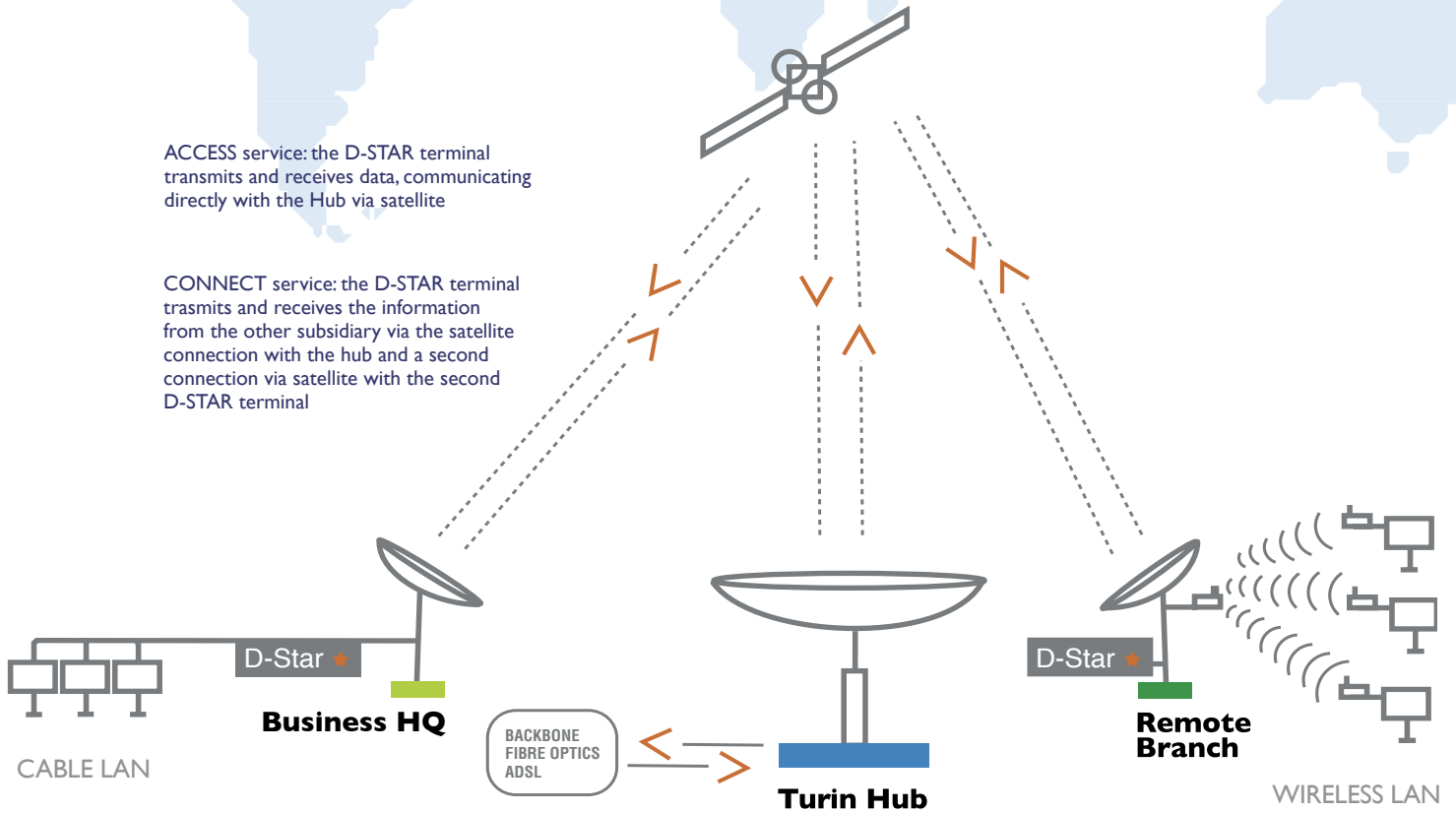


From Turin to the whole world with the biggest teleport for IP services (DVB RCS) in Europe

D-STAR: how it works

ACCESS service: the D-STAR terminal transmits and receives data, communicating directly with the Hub via satellite

CONNECT service: the D-STAR terminal transmits and receives the information from the other subsidiary via the satellite connection with the hub and a second connection via satellite with the second D-STAR terminal



The Hub sorts the information and directs it towards the internet backbone (ACCESS) or to another terminal (CONNECT)



Satellite broadband for business

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