Satellite Broadband Services Provider



Corporate Overview
November 2004
Erik Groen

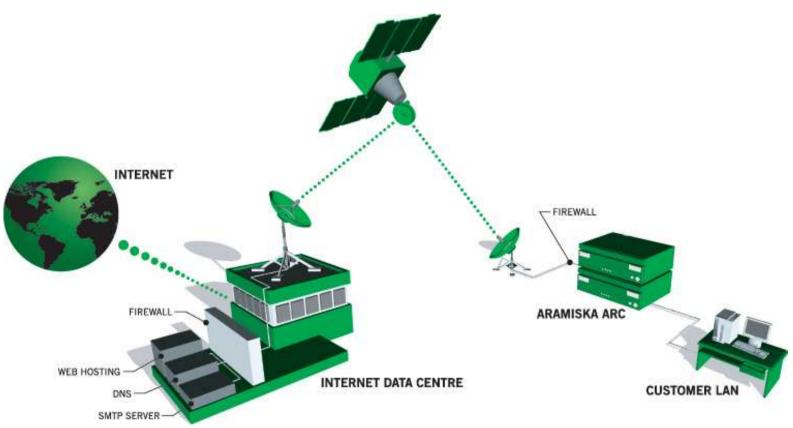
Aramiska: the number one alternative in Business Broadband



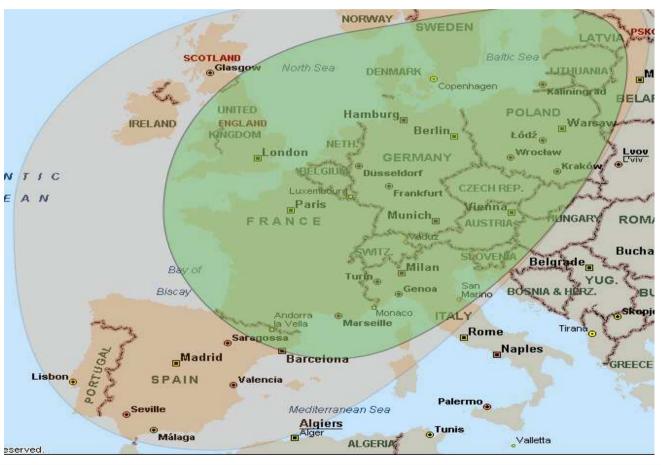
- Founded in late 2000 and launched commercial service in Q1 2002
- Provides broadband data communications services to European Small and Medium sized Business (SME)
- Addressable market is expanding to Larger Corporations and consumers through WiFi partnerships
- Over 3,000 business customers today in the UK (main focus), France, Spain and Benelux
- Innovative two-way broadband satellite network that is yet to be copied
- Clear first mover advantage -> the European market leader in the provision of broadband via satellite



Aramiska Network

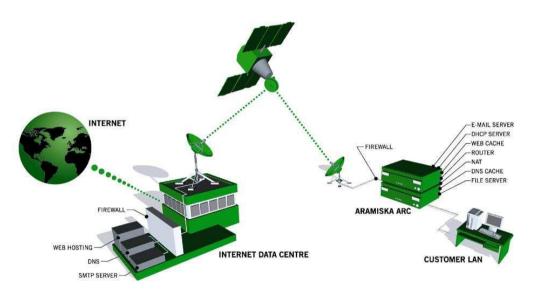






Network Concept: The Open Standards Vision





Aramiska has built a unique Open Standards Based Network

DVB-RCS

The Aramiska network is the largest DVB-RCS based network in the world with state of Art feature such as Turbo-coding or MF-TDMA.

LINUX

The Aramiska network is one of the largest distributed Linux networks with 3,000 Linux PC running multiple services and network management applications

Aramiska's Uplink near Brussels, Belgium





Aramiska Uplink

- AB2 Ku-Band satellite 8 º West
- Return-Link ("RT")
- Uses the 14.0 14.25 GHz band used in multi- carrier, high-gain operation.
 - Multiple FW carriers with different QPSKFEC rates
- Forward-Link ("FW")
 - 13.0 13.25 GHz band is used in a dual carrier per transponder operation
 - Multiple pools of carriers with differentQPSK FEC or TC rates

Customer Premises Equipment









IIDU

Consisting of a Demodulator (DVB-S), a Burst Modulator and a DVB-RCS processor, which maps IP packets (over Ethernet) to and from the DVB-RCS air int.

•AARC PC Intel Celeron 1.7Ghz/128MB MM/40 GB disk running Linux 2.2 /Redhat 7.x Including series of services, such as :

ODU Customer LAN

Customer LAN

Customer LAN

PC2

PC3

PC2

PC1

- -DNS Caching
- -HTTP Prefetching
- -TCP acceleration
- -Web Caching
- -E-mail server
- -Anti-virus
- -Firewall
- -NAT, DHCP
- -File Storage

Aramiska offers a **Managed Broadband Internet Service** for Business Users and Rural Communities



Broadband Access



Business Internet



Network Security

Everything included in one fixed monthly or annual fee.

Broadband Access





	Broadband Access	ARC500	ARC1000	ARC2000
Max speed	Downstream	512	1024	2048
(Kbps)	Upstream	128	256	512
	Guaranteed speed (Kbps)	64/32	128/64	256/128

- Connects locations across Europe
- Reliable and 99.7% of time available
- Standard package : peak/guarantee ratio downstream 1:8, upstream 1:4
- Fast surfing enabled by prefetching, caching and DNS on ARC
- Unlimited monthly data transfer

Business Internet

RIBENALL







Unlimited number of email addresses

Easy set-up of email accounts, groups, aliases

> Remote mail access

Port Forwarding

- ➤ Up to 10 entries on ARC1000
- Up to 20 entries on ARC2000 and ARC2000+
- > Available on ARC1000, ARC2000 and ARC2000+

Domain names

- One free Registration or transfer
- One domain name for multiple ARCs

Web Hosting

- 100 MB available
- Web creation tool
- Service Levels reporting
- Monitoring of visited websites on the ARC
- Shared storage facility 20 GB
- Easy integration of users to LAN with Dynamic Host Configuration Protocol
- All year, around the clock Free Customer Service

Network Security





- Aramiska owns and manages the end-to-end network with no third party involvement
- Firewalls at Internet Centre and ARC
- 24x7 End-to-End Monitoring
- Internet Centre, Network Operation Centre and Customer Service located at the core of the Network
- Individual PCs hidden from the Internet by Network Address Translation (NAT)
- Virus scanning for incoming, internal and outgoing email with automatic updates
- Secure connections by VPN (PPTP & IPSEC)
- Aramiska Managed VPN service

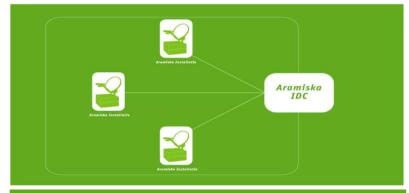


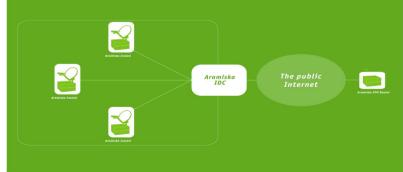
Managed VPN: Aramiska to Aramiska and

Aramiska to Internet

Entirely managed VPN

- Support for all (A)DSL, Cable,
 Satellite or fixed connections
- Secure connections for remote sites with central location
- Use of entire Aramiska Bandwidth
- Setup user-friendly with ARC webinterface





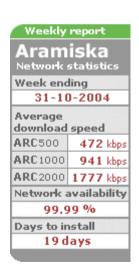
Four Services, three ways of paying, suitable options for EVERYONE!

Contract Type	Initial amount	ARC500	ARC1000	ARC2000	ARC2000+
·		<u>Monthly</u>	<u>Monthly</u>	<u>Monthly</u>	<u>Monthly</u>
Monthly Rental	Installation: €750 or 12 * € 70	€299	€399	€549	€ 599
		<u>Yearly</u>	<u>Yearly</u>	<u>Yearly</u>	<u>Yearly</u>
Monthly Rental	€ 750	€3300	€4400	€6050	€6750
Purchase	€ 4850	€1650	€2750	€4500	€ 5100



Uniquely positioned as the alternative European Broadband Services player

Conclusion



 Aramiska is running a unique, proven two-way high speed open standard based satellite access technology that provides unprecedented performance

■The "Operations Excellence" is driving the day-to-day activities of Aramiska making a reality the delivery of a "State of Art" Broadband Service to its Customers









THE **NUMBER ONE** ALTERNATIVE FOR BUSINESS BROADBAND