



## Company Profile

# 1.1 Introduction

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the world  
is a  
click away

Always On Network Bangladesh Ltd. (AlwaysOn) was formed as a joint venture among AON (a USA based wireless Internet provider), Everest Wireless Partners, (a USA based venture capital firm) and a group of Non-Resident Bangladeshi technologists from Intel Corp, USA. An Oregon, USA based group of talented managers and engineers currently managing the network roll out of AlwaysOn. This group of professionals with extremely brilliant academic background has been zinvolved in ICT Sector for many years.

AlwaysOn was founded with a vision to build a highly developed intranet within Bangladesh that will be attractive to foreign companies as a low cost location for computer dependant operations presently located in other countries. AlwaysOn Network deploys technology with the industry's largest cell radius and best non-line-of-sight coverage, enabling coverage, capacity and capabilities that far exceed those of a typical wireless system. It offers broadband wireless Internet services in rural and urban areas of Bangladesh employing the latest technology to create highest quality solutions available today.

The company was incorporated with the Registrar of Joint Stock Companies of Bangladesh in 2005 and received a license for providing nationwide Internet Service in 2006 from Bangladesh Telecommunications Regulatory Commission (BTRC). Later, BTRC granted the Company a number of spectrum licenses to provide nationwide Internet service using licensed spectrum. In 2007, the company was registered with Board of Investment (BOI). The Company maintains up to date legal documents such as Trade License, TIN, VAT Registration, Export-Import License, ISP License, Spectrum License etc.

## 1.2 Special Programs of AlwaysOn:

In October 2006, AlwaysOn signed a Memorandum of Understanding (MoU) with the Ministry of Science and ICT of Bangladesh.

● The MoU deals with areas of cooperation between the Ministry and AlwaysOn to build a network that will eventually connect all the schools of the country with high-speed Internet connections.

In October 2010, AlwaysOn signed a tripartite MoU with Ministry of Post and Telecommunications and A2I (Access to Information) program of Prime Minister's office.

● The MoU deals with collaborative effort among the said parties for providing video quality broadband service to the rural Government offices, down to union parishad levels, within a reasonably short period of time. Under this MoU AlwaysOn has already connected a large number of Upazila Complexes and Union Information Service Centers in various Zilas such as Dhaka, Gazipur, Mymensingh, Rangpur, Thakurgaon, Panchgarh, Narayanganj, Munshiganj, Narsingdi etc.

AlwaysOn's commitment to social advancement in emerging countries like Bangladesh is at the core of its value system. Nearly all of its Board Members, Internal Advisors, and Investors are active contributors to breaking the cycle of child labor by building rural schools and contribution to their support.

# 2.1 Management Team



**Dr. Reaz Shaheed , Managing Director and Chief Executive Officer:**

Dr. Shaheed completed BS, MS and Ph.D. in Electrical Engineering from The University of Texas at Austin, in 1988, 1990 and 1995 respectively. Before Founding AlwaysOn, Dr. Shaheed worked as a research Engineer with Intel Corp in Oregon for 12 years. He brings in more than 23 years of technical experience to AlwaysOn. Dr. Shaheed has conducted research in the field of simulation of Si and SiGe-base transistors at Intel. Dr. Shaheed is the author of 15 journal and conference papers and owns a number of US patents on strained Si transistors, SiGe bipolar transistors and process technology. Mr. Shaheed received many awards for his research at Intel.



**Dan Stanton, Director and Co-Founder:**

Mr. Stanton has been nominated as a director by Always On Network Inc, USA. Mr. Dan received a Bachelor's Degree from Oregon State University, completed postgraduate course work at Lewis & Clark College, and holds a Master's degree, Summa Cum Laude from Portland State University. He has more than seventeen years of experience in the communications and information technology sector creating solutions for business, government, schools, and classrooms. He is a founder of Always On Network, Inc. His tenure includes managing distance-learning programs, creating eCommerce applications, and providing technology to various vertical markets.



**Mr. Andalib Khan., CTO (Chief Technology Officer)**

Mr. Andalib Khan is the Chief Technical Officer of AlwaysOn. He brings in 9 years of corporate experience with Intel Corp USA. Andalib completed his undergraduate degree in Electrical Engineering from BUET in 1995. He completed his MS in Electrical Engineering from the Oklahoma State University, USA in 1998. At present Mr. Andalib is the circuit design lead for a key group of Intel's most important CPU project at hand. He contributed immensely to several major CPU projects that gave Intel edge over its competition to become the world's fastest microprocessor producing company. Mr. Andalib received many awards at Intel. He also owns a patent on "Link level retry scheme", related to Intel's point to point bus protocol similar to PCI express. Besides working as a wireless communication engineer, Mr. Andalib founded a software group at GEC and developed patient management software for medical clinics .



#### **Md. Asifur Rahman, Chief Corporate Strategist**

Mr Asif is the Chief Corporate Strategist. He brings in 15 years of technical experience to AlwaysOn. He is presently serving as a Program Manager for Silicon Debug technology research at Intel. Mr. Asif has been the author of 8 technical papers and 3 US patents on silicon debug & software integration. In 2002 Mr. Asif invented the first optical logic recognition technology using 1064 nm emission light directly from silicon. This key invention changed the way silicon debug is done at Intel and later in the industry as well. He manages an overseas team dispersed at Malaysia & Israel and university research at Italy Bologna.

#### **Rahul Prakash, Director**

Mr. Rahul Prakash has been nominated by Everest Wireless Partners, which is a limited company and a sister concern of US based conglomerate Everest Group. Mr. Prakash is the founder President and CEO of Everest Telecom LLC, a private investment firm that invests and manages investments in business services, software services, and telecommunications and related businesses. He has worked as the Board Chairperson of Softscribe (a business process services company, based in India) and VectorShades, a CAD design firm, both of which are portfolio companies of Everest Telecom. Mr. Prakash was also the President of Telcom Ventures, a private equity firm, and Vice President and Special Advisor to the Company's Chairperson at LCC International, Inc., a Nasdaq listed telecommunications company. Mr. Prakash received his M.B.A. degree from Delhi University and another M.B.A. degree from American University.

#### **Mr. Lutfor Rahman Bhuiyan, Chief Marketing Strategist**

Mr Lutfor Bhuiyan completed his BS in Computer Science and Engineering from BUET in 1995 and MS from the Texas A&M University. Mr. Bhuiyan brings in 9 years of corporate experience with Intel Corp, USA and Motorola Inc, USA. He is currently working as a project manager to enable key server and workstation technologies on Intel platforms focusing on high performance computing. He was part of the industry's first "Teraflop" HPC cluster project at Intel in 2003. Before joining Intel, Mr. Bhuiyan worked as a Senior Software Engineer in Motorola, USA. His team was responsible to develop 3rd generation wireless solutions based on UMTS or W-CDMA technology. Mr Bhuiyan has received a number of awards for his work at Intel.



## 3.1 Company At a Glance

AlwaysOn has the following licenses from BTRC

### LICENSES

Nationwide ISP license  
DDCSP license (Domestic data circuit provider license)  
Radio Equipment vendor license  
Sub-Giga Hz Frequency Spectrum allocation  
IP PABX  
Fixed WiMAX

### BANDWIDTH SOURCE

SEA-ME-WE-4 (BTCL)  
SEA-ME-WE-4 (MANGOTEL)  
SCPC, ST (MANGOTEL)

### TECHNOLOGY

DMP Fiber Optic Network (FTTH)  
NLoS Wireless Technology (WiMAX, WCDMA)  
Lease Line Circuit Switching (E-1)  
Point-to-Point radio link  
Long range, high capacity WiFi

### NUMBER OF EMPLOYEES

100+

### CURRENT INVESTMENT

7.0 million USD

### CUSTOMERS

NLoS WiMAX: 250  
Fiber: 600+  
Long Range WiFi: 70+  
Point-to-Point: 250+  
LAN Setup & Maintenance: 50+  
Server Setup & Maintenance: 150+

### Our Mission

To build a nationwide Internet access network in Bangladesh using wireless transmission equipment complemented by optical fiber sub-networks.

To deliver world class Internet connectivity and quality post-sales support.

To build a lasting relationship with our service communities.

### Vision

AlwaysOn envisions a highly developed intranet within Bangladesh that will be attractive to foreign companies as a low cost location for computer dependant operations presently located in other countries

To make best educational resources available to every primary school in Bangladesh by providing free wireless Internet services

## 3.1 Company At a Glance

### MEMBERSHIP

Internet Service Providers Association Bangladesh (ISPAB)  
APNIC  
BDIX  
Dhaka Chamber of Commerce & Industry

### VENDOR ALLIANCE

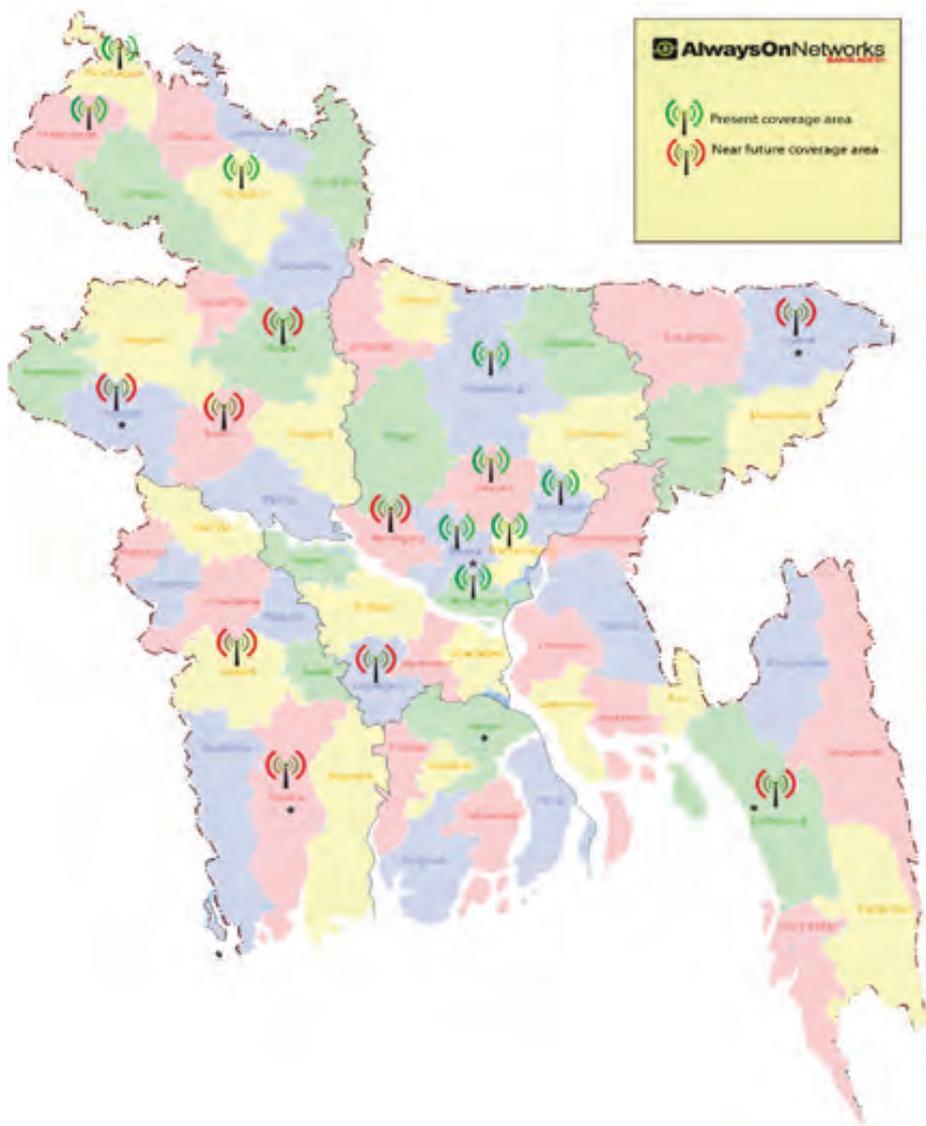
AIRSPAN, UK  
KZ BROADBAND TECHNOLOGIES, CHINA  
WAVION, USA  
HITECH PADU, MALAYSIA  
LINKQUEST, UAE  
WAVEIP, USA  
SOURCEHOV, USA  
INTEL, USA

### NOC

SUN Server  
IBM Server  
Cisco ASR 1004 (Core Router)  
Cisco (Core Switch)  
Huawei  
Intel  
ET Supermicro (BW Manager)  
Cisco (Core Router)  
MikroTik (BW Manager)

# Coverage Map

AlwaysOn has been providing high performance wireless broadband services in and around Dhaka since 2007. Using licensed spectrum from BTRC, AlwaysOn has implemented a wireless technology that supplies a solid, stable broadband connection up to 35 Km away under all weather conditions. AlwaysOn provides both Internet and Intranet connectivity by both underground optical fiber and wireless network all over Dhaka metropolitan area. Outside Dhaka city, the same high quality connectivity is provided by higher-upload-capable wireless network.



Present coverage includes following Zilas: Dhaka, Gazipur, Narayanganj, Munshiganj, Narshigdi, Mymensingh, Rangpur, Rajshahi, Sylhet, Chittagong, Khulna, Barishal, Jessore, Gopalganj, Kishorgonj, Netrokona, Shirajgonj Comilla, Chuadanga , Bogra and E1 connectivity any where in the country.

# Client Base

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AlwaysOn is serving more than 550 corporate clients in various sectors such as TV Channels, Five Star Hotels, Textiles, Real Estate, Financial, Pharmaceuticals, Educational Institutes, Software, Defense Dept and many more.

A list of a few clients are given below:

- Ekti Bari Ekti Khamar (EBEK)
- RAB FORCES
- Armed Forces Medical College (AFMC)
- T.N.T. Express
- Singapore Airlines
- Westin Hotel Dhaka
- Channel i
- Navana Group
- Rupayan Group
- Karim Associates
- Unitrend Ltd.
- Global Sourcing Ltd.
- Asian Tiger Capital Partners
- Luke Dhaka
- Northern Corporation Ltd.
- Anik Telecom
- Panjeree Ltd.
- Asia Energy Ltd.
- University of Information Technology and Sciences (UITS)
- DGFI
- Modhumoti Group
- TEMA Magazacilik

# Why AlwaysOn:

Business-quality Internet connectivity

Expertise in configuring corporate networks connecting

multiple sites with dedicated bandwidth 24x7 monitoring

Level of service to support mission-critical communications

- Phone Support
- Remote Desktop Support
- Onsite Support
- CRM based Support, Monitoring & Report
- Quality of services (QOS)

Rigorously engineered network helps to eliminate slowdowns

Comprehensive range of options to suit needs:

- Level of access
- Proactive monitoring and notification
- Access to 200+ Value Added Services
- Fault isolation and management.
- Professional Consultancy Services
- Equipment selection, installation, and maintenance.
- Backed by AlwaysOn's overseas network service expertise



## AlwaysOn Business SOLUTIONS

Internet Access (FON).

Internet Access (Wireless)

Video Conferencing Solutions of all World Brands .

Campus and Enterprise WiFi Solutions.

CCTV and IP Surveillance Solutions.

Remote Monitoring System Internet On Demand.

Audio & Video Broadcast. Online ticket

transaction. Online ATM & POS Transaction

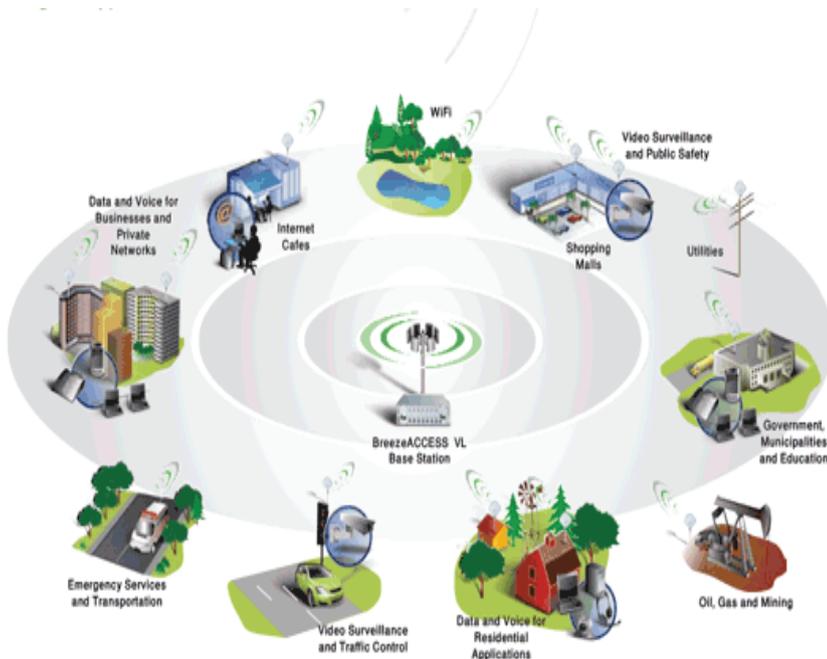
Network Management Consultancy & Staffing

Server Collocation

Local BW Management WAN Connectivity



# Experience Your Internet Performance At Sub-Giga Hertz Frequency:



The law of physics dictates that many aspects of wireless technology are determined by the spectrum used to provide the service. Although the details are complex, the basic rule is that “the lower the spectrum used, the stronger the signal, better the indoor penetration through the walls”. AlwaysOn introduced first ever wireless broadband Internet in sub-Giga-Hertz band in Bangladesh with a guaranteed better performance compared to any other wireless providers, who operate at super-Giga-Hertz bands.

Now here’s a true business-grade Internet access service in Bangladesh that can keep pace with your growing business—no matter where you do business. AlwaysOn NLoS Internet provide highly reliable, high-speed, always-on connections that give you instant access to the critical business information you need—when you need it, where you need it.

- Lutfur Bhuiyan, CMS,  
AlwaysOn Network BD Ltd.

## Reliability at remote sites

AlwaysOn NLoS wireless provides diverse, cost effective backup for your data applications, quick deployment for temporary or remote locations, disaster recovery response, and mobile workers, as well as consistent network connectivity.

## Fast & Flexible

AlwaysOn NLoS wireless is fast to install. Plus, if there is a need for connectivity in a location temporarily or to change locations, you have the flexibility to relocate quickly and easily.

## True Redundancy - Emergency Backup:

AlwaysOn high performance wireless is an ideal backup solution for mission-critical data. When a fiber outage occurs, you have the added confidence of knowing that you have true redundancy via AlwaysOn high performance wireless network.

## Internal BW Management:

Are you experiencing a slow Internet speed even after buying large bandwidth from your provider? Is inappropriate use of your bandwidth having an adverse effect on your business-critical performance? Is it very difficult for you to manage your bandwidth when you have remote users from your branch offices? If your network has any of these problems then AlwaysOn Bandwidth Manager will provide a cost effective solution. The system monitors your network traffic, control users and limits bandwidth in whatever manner you specify. The result is an immediate increase in the efficiency of your network together with a reduction in your overall bandwidth uses while allowing business-critical Internet applications to run at full speed.

## BUSINESS OPPORTUNITY

- Most powerful end-to-end Broadband Wireless System
- Absolutely stable even during rain and fog
- Non-Line-of-Sight subscribers gateways
- Easy to connect; No complicated installation progress; Plug and Play.
- Exclusive Licensed Frequency
- No more wires in your premises.
- No more Internet disruption from fiber cuts & damages.
- Flexible, scalable & stable performance.

## Remote Viewing & Surveillance Services



**SEE YOUR WORLD FROM ANYWHERE**

**AlwaysOnNetwork**  
BANGLADESH

*the world is a click away*

Call us for SPECIAL OFFER: 01610-828282, 01610-ALWAYS

website: [www.aonbd.net](http://www.aonbd.net)

View your factory with our secure remote viewing technology from any location like you are in the next room. You can do video conferencing with your floor managers or do a surveillance of your facility from anywhere, even when you are out a foreign country. We specialize in configuring corporate networks connecting multiple sites with dedicated bandwidth. With a post sales technical team that is simply best-in-class, our abilities are demonstrated in the recent Narayanganj City Election project – video streams from 200 surveillance cameras remotely monitored live simultaneously from Narayanganj Zia Hall and from Dhaka Election Commission using our higher-upload-capable wireless broadband technology.

## Our State-of-the-Art Security Solutions

AlwaysOn Network is privileged to offer the innovative and creative security solutions for “DVR, NVR, CCTV Camera, IP Camera, Fire detector & Security alarm, Archway Metal detector, Handheld Metal Detector, Luggage Scanner, Personal/view Scanner, Remote surveillance, RF ID Security, Attendance System, Mobile & Vehicle tracking ” full range of Security System in Bangladesh.



Our goal is to offer the best sales experience and customer support in the industry. To meet this objective, we have invested heavily in our sales and support system. We provide comprehensive security solutions for all corporate and residential requirements. Henceforth, we have developed strong and lasting relationships with our customers and built a dedicated and professional sales organization.

## Something Special for Garments Industry

AlwaysOn wireless network covers all the important textile hubs from Haluaghat to Meghnaghat. Our higher-upload-capable wireless broadband technology is a perfect platform to securely install and monitor your garment specific applications.

**STITCHING THE FASTEST NETWORK**

Join the super fast wireless network to penetrate new markets and accelerate your garment trade

**BENEFITS:**

- Uninterrupted wireless network covering 10 textile hubs.
- Higher upload speeds for rapid transfer of your data.
- Monitor your factory from anywhere, securely with our Remote Factory Monitoring technology.
- AlwaysOn is the perfect platform to securely install and monitor your garment specific applications.

**AlwaysOnNetwork**  
BANGLADESH

the world is a click away

CALL US: 01610-826282, 01610-ALWAYS (259297), 8825816 email: sales@aonbd.net, website: www.aonbd.net

# Catering to Call Centers' Needs

## Choose your bandwidth stream yourselves:

At AlwaysOn you can choose your routing stream either from BTCL or MangoCom.

## True Redundancy/ Emergency Switchover

AlwaysOn NLoS Wireless is an ideal backup solution for mission-critical data. AlwaysOn NLOS wireless solution is an attractive plug in play unit and easy to install. When a fiber outage occurs, you have the added confidence of knowing that you have true redundancy via AlwaysOn reliable wireless.

## You need control on your internal bandwidth uses

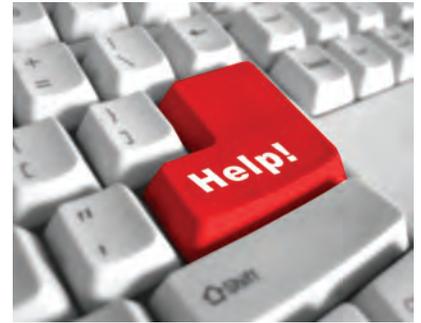
AlwaysOn recommends configure a BW manager to the client's existing server and provide a user interface to the authority so that the users access for Internet bandwidth can be controlled and monitored by the client itself. The Bandwidth manager can also help AlwaysOn to provide remote support for customers.

## Need Technical Support even at night

Keeping business sensitivity in consideration, AlwaysOn offers "Night Support" especially for its call center customers. Our technical team is provided with own vehicle and they are allowed to visit any location at any time (even at night) for emergency.

## Remote Desktop Support

AlwaysOn will provide "Remote Desktop Support" from office or employee residences (even at night) to attend client's problems at once by accessing client PC remotely.



### Call Center Special

- Onsite Support - Day & Night – 24Hrs
- Remote Desktop Support – 24 Hrs
- Application Sensitive Dedicated Bandwidth
- Burstable Upload
- Bandwidth On Demand
- Auto Redundant Fiber & Wireless Connectivity.
- Monthly Log Report for performance evaluation

## Audio & Video Broadcast

### The Challenge:

For Radio or Television live broadcast, time is of essence. When at the spot, you are required to have a network that can be,

- Quickly installed and connected to the main station.
- It should be a plug-and-play architecture.
- Problems must be swiftly resolved.
- Transmission should be of broadcast quality

AlwaysOn higher-upload-capable wireless network enables radio and television channels to establish audio/video communications with main stations from anywhere within our coverage area.

### What we can do:

- o Typically one-way broadcast of live audio/video from the field.
- o National or International Seminar Coverage.
- o On spot backbone coverage for different public affairs like Boishakhi Mela, Dhaka Trade Fair, Ekushe Boi-Mela etc.
- o Live broadcast for Grand opening of any festivals.
- o A high quality Store-and-Forward option for Live or near real-time Breaking News coverage.
- o Symmetrical QoS over AlwaysOn Wireless Gateway
- o Streaming Live audio & video, which is typically transmitted one-way from the field, requiring high upload speed.



Thanks to AlwaysOn high-performance wireless connection, Radio Amar was able to transmit live from Dhaka International Trade Fair for two consecutive years. It is easy to deploy, simple at work and smoothly functional.



# Network Management Service

AlwaysOn wants to make the computing experience simpler, more reliable and more productive, while reducing the cost and complexity of network and desktop support. Desktop computing should facilitate productivity, job satisfaction and should not require excessive resources to support. We help end users in maximizing the amount of time actually spent completing their workload and reduce the frustration that is generated by computer "downtime".

## LAN MANAGEMENT SERVICE

### Desktop Management

- Installation
- OS and Application Security and Patch

### Management

- Security and Configuration Management
- Application Management

### Consulting and Staffing Support Services

#### Wired Local Area Networking

#### Wireless Network Service

#### Network Design

#### Network Security Management

#### Data Protection Services

#### WAN & VPN Implementation

### On Demand Application Management

- Remote Surveillance
- Remote Desktop
- IP Telephony, IP PBX

## SERVER MANAGEMENT SERVICE

### Server Support

- Proxy
- Proxy Log Analyzer
- FTP Synchronization
- Raid
- Server Administration Tools

### Application Hosting Agreement

- Web Hosting
- Domain Hosting
- Mail server solution
- Clean-mail; hosted anti-spam  
firewall solution
- Mass mailing server solution

### Shared Network Storage

### Data Protection Services

# Outsource Your Networking to the Experts

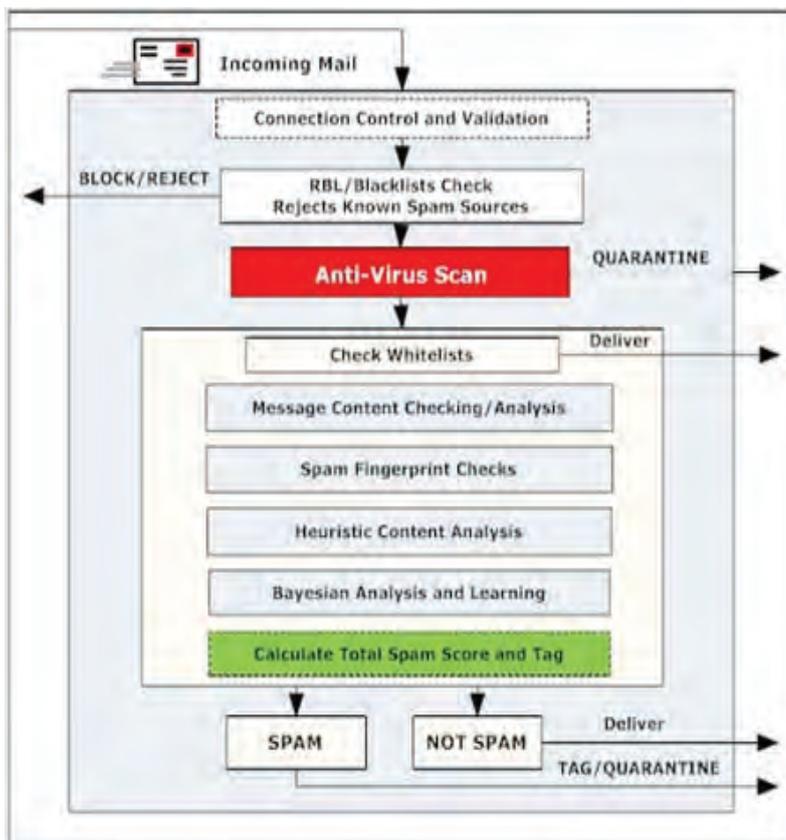
- **Help lower TCO**  
Managing world-class network is a high-maintenance, capital-intensive endeavor fraught with risk. Outsourcing to an industry leader like AlwaysOn, can help you cutting your total cost of ownership (TCO).
- **Reliable network**  
AlwaysOn network is reliable, highly available, highly secure, and provides speedy fault isolation and restoration.
- **Freedom to do what you do best**  
Focus on the core areas of excellence that put your business on the map, while being confident on our support team that is also doing what it does best—around the clock, 365 days a year.
- **State-of-the-art technology**  
Staying on top of the technology curve is too expensive and resource-intensive for many businesses. AlwaysOn has the people and expertise to efficiently evaluate and incorporate emerging technologies.
- **Simplification**  
Manage all of your network assets and security functions from a single platform to reduce the complexity of integrating various technologies into your existing environment.
- **Reduced IT Strain**  
Outsourcing can help cut IT department burnout, because we can help reduce the burdens of maintenance, upgrades, staffing, and training.
- **Flexibility**  
AlwaysOn solutions are interoperable with current industry open standards and make it easier to integrate new applications and functionality into core business processes. Our open standards allow us to increase operational efficiencies while increasing application flexibility as business conditions change.

# AlwaysOn Clean Mail Service

Email is a mission critical service for today's businesses. However the growth of junk email, computer viruses and email abuse are combining to reach levels that have become a threat to the continuity of business emails. AlwaysOn Managed Email Security Services prevent current and evolving email threats from reaching organizations' networks.



AlwaysOn Clean-Mail gives you the power to monitor and filter e-mail traffic to protect your organization from virus attacks, spam mails and wasted bandwidth right at the Internet level. It provides virus-free and spam-free mail. All the unwanted emails (containing spam and virus) are filtered on our Internet server before they reach your mail server and the intended recipients.



Email security can no longer be regarded as adequate when applied on a piecemeal basis; rather, organizations must take a multi-layered approach for protection. Particular attention must be paid to the first line of defense at the Internet level, which is where managed email security services play a crucial role. Enterprises can benefit from the solutions offered by our Clean-Mail in many ways.

Managed email security services protect organizations at the Internet level, outside of the corporate network, without the hassle or additional cost of traditional software or hardware solutions.

Managed services can free up in-house IT resources, increase employee productivity and enhance the efficiency and operability of email systems by combating the threats. This in turn can raise network utilization levels through reduced email volumes and less demand on Internet bandwidth.