

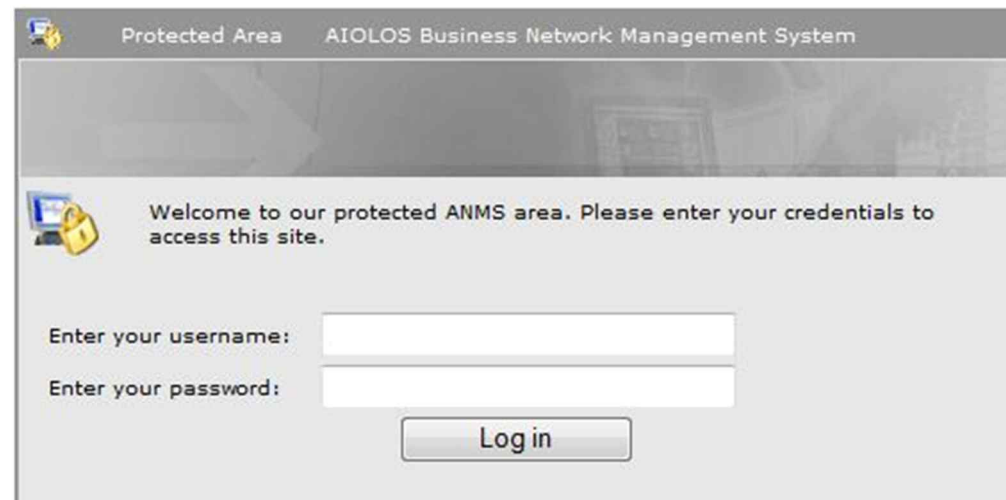
SEAMON

net access system

Local Administration and Network Monitoring Services

SEAMON Business Network Monitoring System – ANMS

Log in screen via SSL encrypted connection to the monitoring and administration tools of the hotels guest network



Protected Area AIOLOS Business Network Management System

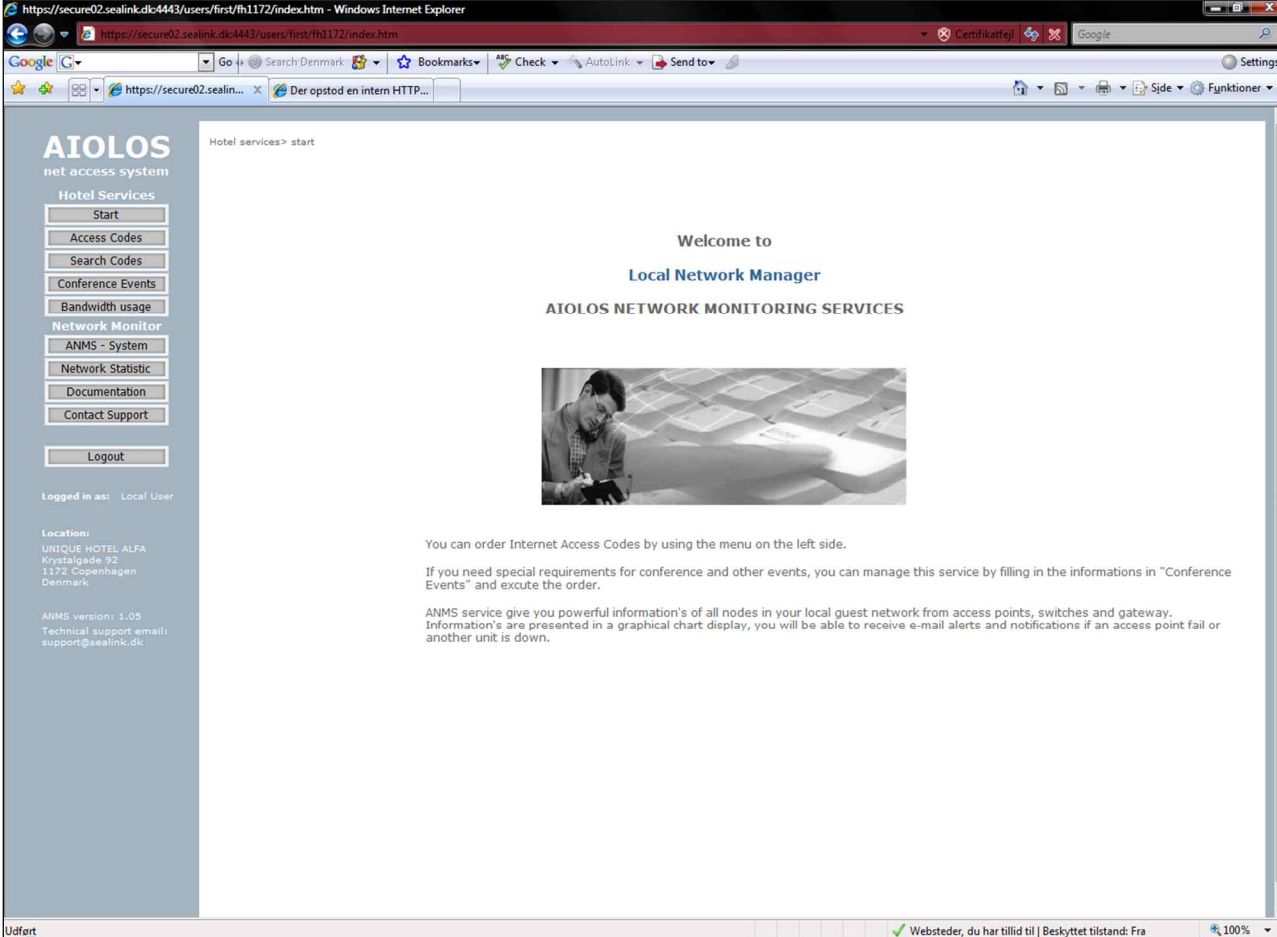
Welcome to our protected ANMS area. Please enter your credentials to access this site.

Enter your username:

Enter your password:

Log in

ANMS interface for monitoring and administration of all operating guest networks within the hotel chain



The screenshot shows a web browser window displaying the AIOLOS net access system interface. The browser's address bar shows the URL: `https://secure02.sealink.dk:4443/users/first/fh1172/index.htm`. The page content includes a sidebar menu with the following items: Start, Access Codes, Search Codes, Conference Events, Bandwidth usage, Network Monitor, ANMS - System, Network Statistic, Documentation, Contact Support, and Logout. The main content area features a welcome message: "Welcome to Local Network Manager AIOLOS NETWORK MONITORING SERVICES". Below this is an image of a person looking at a laptop. The page also contains several informational paragraphs: "You can order Internet Access Codes by using the menu on the left side.", "If you need special requirements for conference and other events, you can manage this service by filling in the informations in 'Conference Events' and excute the order.", and "ANMS service give you powerful information's of all nodes in your local guest network from access points, switches and gateway. Information's are presented in a graphical chart display, you will be able to receive e-mail alerts and notifications if an access point fail or another unit is down." The browser's status bar at the bottom indicates "Websteder, du har tillid til | Beskyttet tilstand: Fra" and "100%".

Conference Administration Module

The hotel has the ability to control advanced user-specific settings for events in the conference areas. Allocation of Public IP addresses directly to the customer - Guaranteed Bandwidth - Onsite Engineering - Wi-Fi access conference

The screenshot shows the AIOLOS net access system interface. The main content area is titled "Network administration of Conference events". It features a "Connection Panel" table with columns for Room, Wifi, and Plug no. Below this is a form for configuring a new event, including fields for Company, Start date, Start time, Time for event, Bandwidth, Request on-site Technician, Request Public IP, and Requested by. At the bottom, there is a table titled "Last conference events executed" showing a history of events with columns for Date, Time, Duration, Client, Room, Plug no., Public IP, Bandwidth, On-site Tech, Wifi Code, and Requested by.

Connection Panel

Room	Wifi	Plug no.	Room	Wifi	Plug no.	Room	Wifi	Plug no.
Center Stage West	<input type="checkbox"/>	FD-22-C1	Django Suite	<input type="checkbox"/>	FD-22-C1	Room 305	<input type="checkbox"/>	FD-22-A15
Center Stage East	<input type="checkbox"/>	FD-22-B45	Miles Suite	<input type="checkbox"/>	FD-22-A45	Room 307	<input type="checkbox"/>	FD-22-A17
Mingus Suite	<input type="checkbox"/>	FD-22-B29	Armstrong Suite	<input type="checkbox"/>	FD-22-A39	Room 309	<input type="checkbox"/>	FD-22-A19
Gillespie Suite	<input type="checkbox"/>	FD-22-B16	Room 301	<input type="checkbox"/>	FD-23-A11	Room 311	<input type="checkbox"/>	FD-22-A21
Goodman Suite	<input type="checkbox"/>	FD-22-B10	Room 303	<input type="checkbox"/>	FD-22-A13	Room 313	<input type="checkbox"/>	FD-22-A23

Event Configuration Form:

Company: (Name of the client this service is executed to)

Start date: (DD-MM-YYYY)

Start time: (HH:MM)

Comments:

Time for event:

Bandwidth: (Download / Upload)

Request on-site Technician: Yes No

Request Public IP: Yes No

Requested by: (Your name)

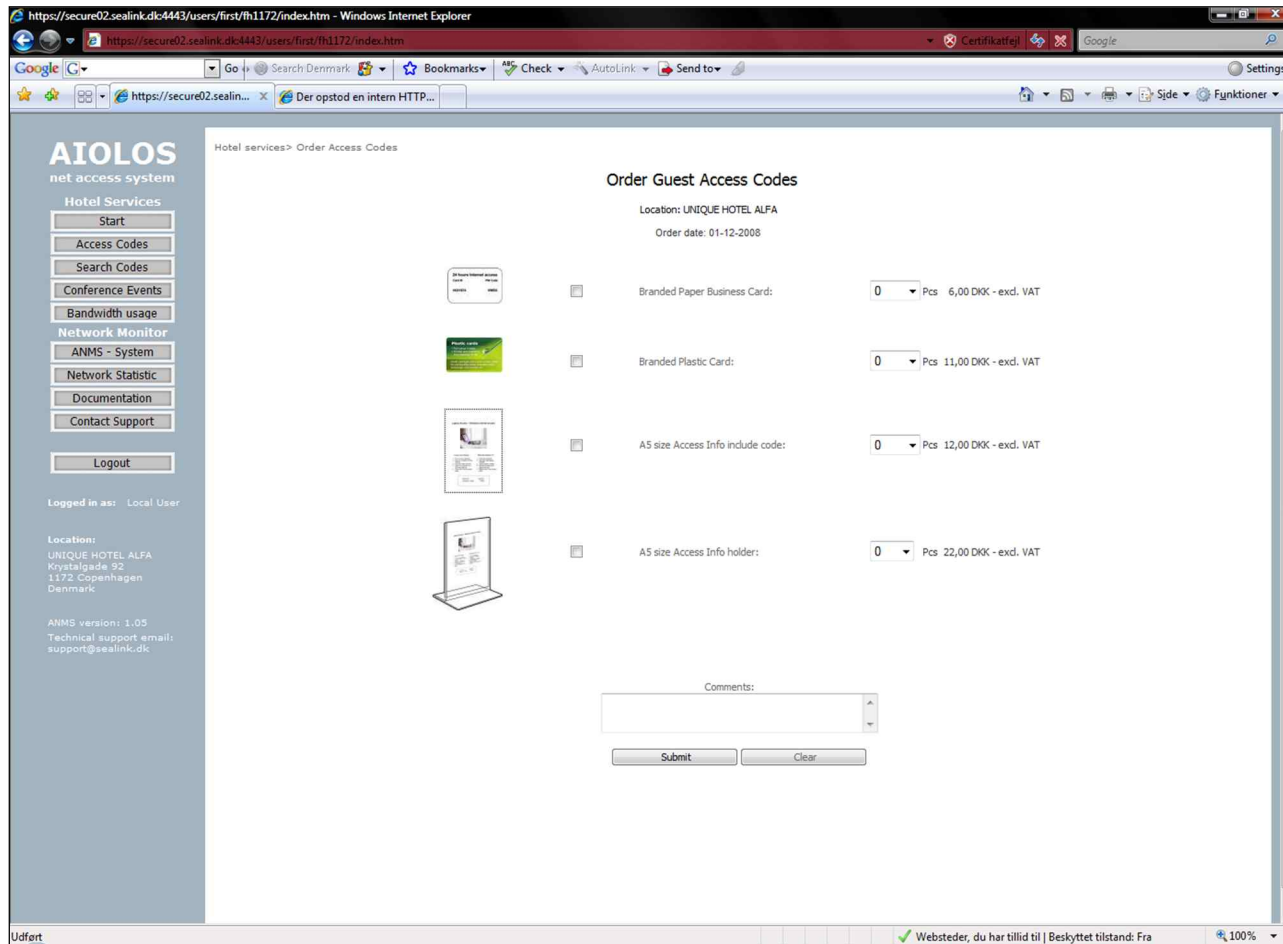
E-mail address: (IP Configuration is delivered to the user's e-mail)

Last conference events executed

Date	Time	Duration	Client	Room	Plug no.	Public IP	Bandwidth	On-site Tech	Wifi Code	Requested by
06-11-2008	10:30	6 Hours	Anton Queue A/S	Center Stage East - FD-22-B45		Get DHCP	2MB/2MB	no	ceast-hy8	Jane Zonda
05-11-2008	09:00	1 Day	La Fontaine	Center Stage West - FD-22-C1		62.243.128.164	8MB/8MB	yes	cewest-afwq	Ken Nielsen
04-11-2008	07:00	6 Hours	Super8	Gillespie Suite - FD-22-B16		Get DHCP	4MB/4MB	no	gillespie-8743	Karoline Hansen
04-11-2008	15:00	6 Hours	Antoniuss AB	Center Stage West - FD-22-C1		62.243.128.164	8MB/8MB	no	cewest-afwq	Tom Hulva
02-11-2008	08:30	2 Days	Singapore Technology Ltd	Goodman Suite - FD-22-B10		Get DHCP	4MB/4MB	yes	goodman-2v56	Anna Pihl

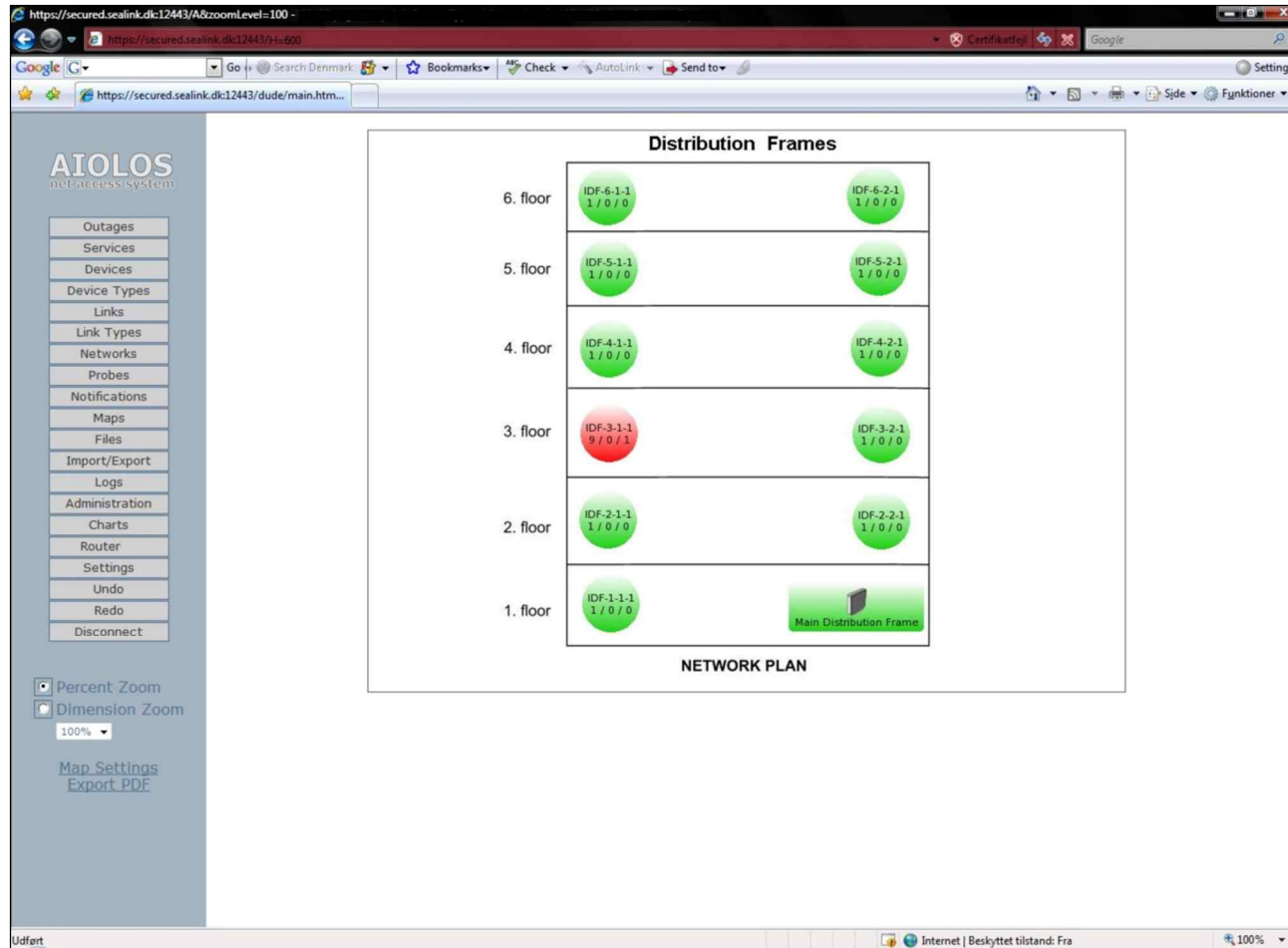
Online ordering of Cash Cards and Room Codes for guest network access

Cash Cards and Room Codes are ordered via the online interface. The codes are printed with desired brand (name and logo) and is sent directly to the hotel



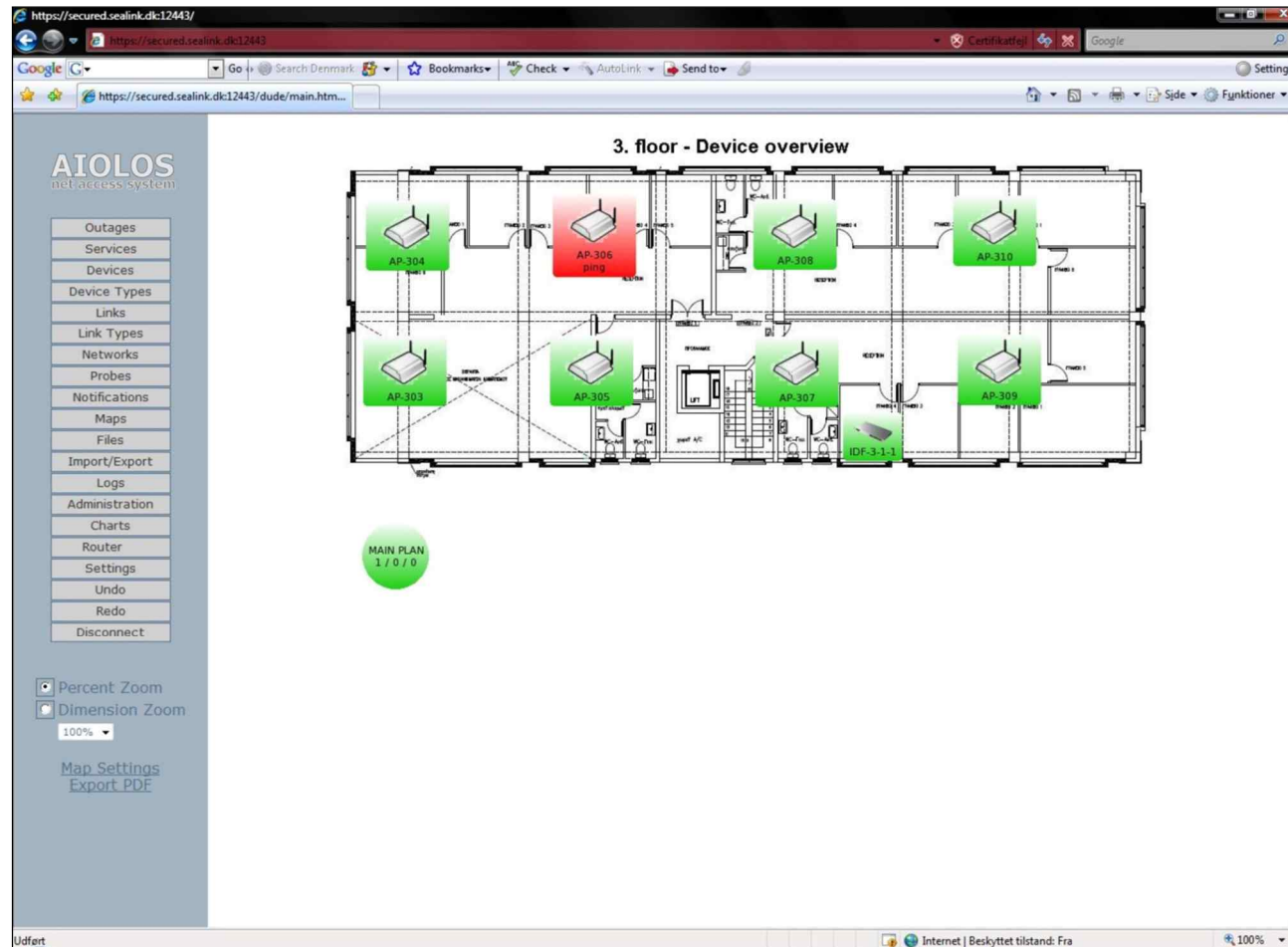
Graphical overview of Distribution Frames Real-time

Monitor all Distribution Frames with notifications of the network via email



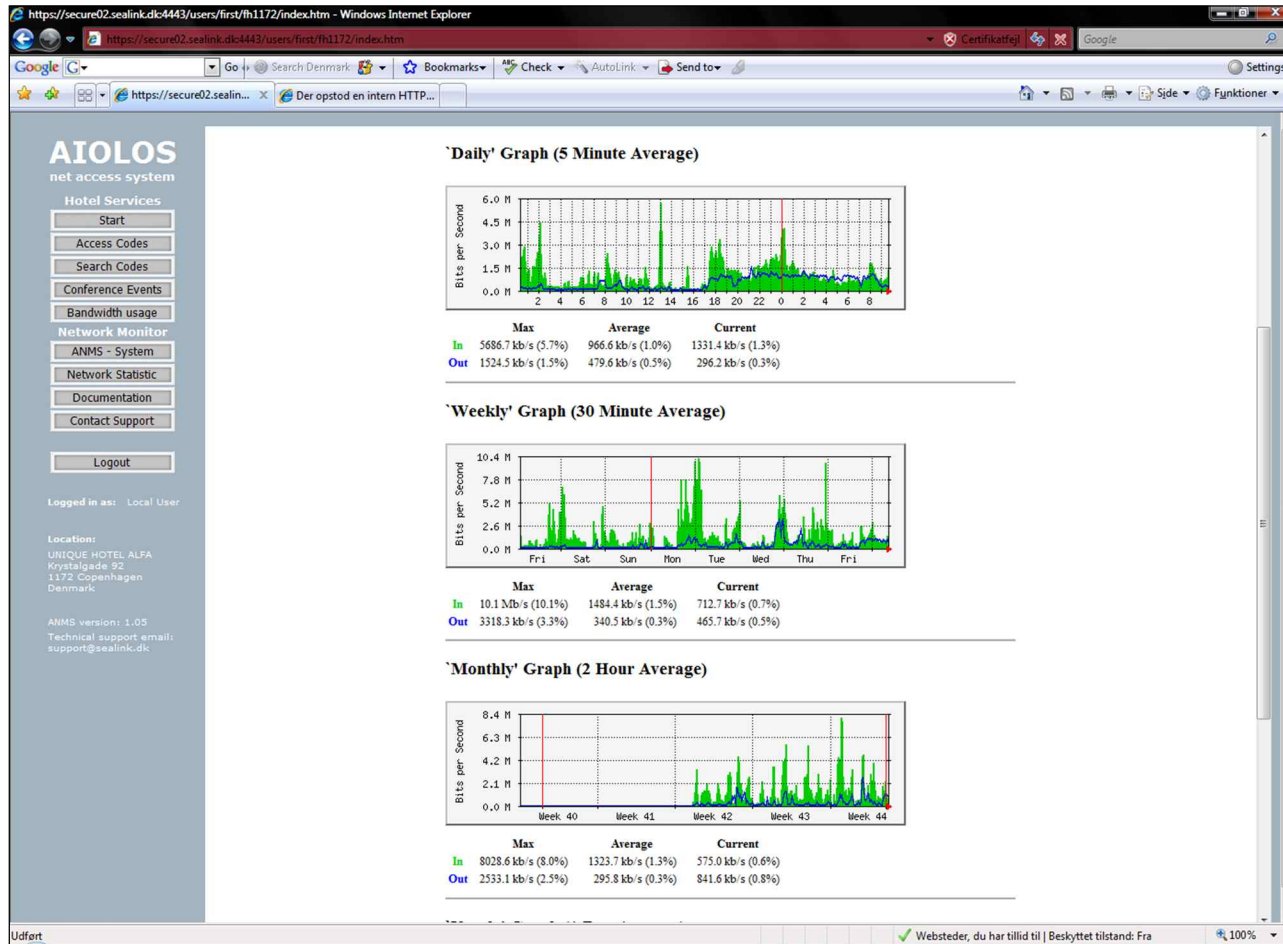
Detailed overview 3rd floor Access Points

In addition to notifications, within the hotel chain you have the opportunity to click directly on the graphics to shortly isolate the breakdown and identify correct floor and guest room the error has occurred



Graphical overview of bandwidth consumption on the Internet Line

Monitor bandwidth consumption on all Internet connections within hotel chain as well as indication of network load



Network statistics information

Access to sophisticated real-time network information

https://secure02.sealink.dk:4443/users/first/fh1172/index.htm - Windows Internet Explorer

https://secure02.sealink.dk:4443/users/first/fh1172/index.htm

Google

https://secure02.sealin... x Der opstod en intern HTTP...

AIOLOS
net access system

Hotel Services

- Start
- Access Codes
- Search Codes
- Conference Events
- Bandwidth usage
- Network Monitor
- ANMS - System
- Network Statistic
- Documentation
- Contact Support

Logout

Logged in as: Local User

Location:
UNIQUE HOTEL ALFA
Kryсталgade 92
1172 Copenhagen
Denmark

ANMS version: 1.05
Technical support email:
support@sealink.dk

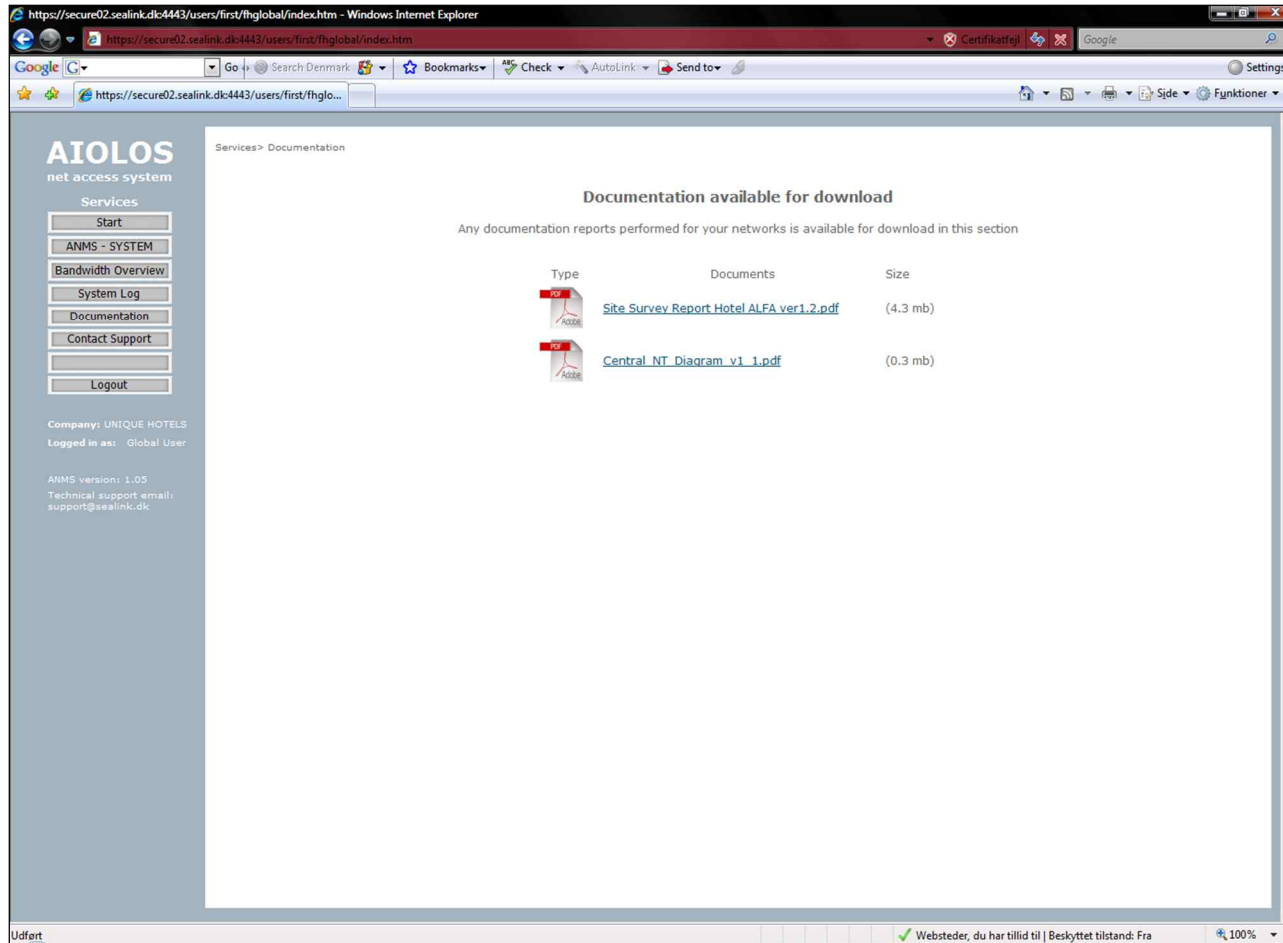
Network Load Statistics Matrix

Sampling Period	Average Thpt	Top Hosts Sent Thpt		Top Hosts Rcvd Thpt	
09:51 - 09:52	230.5 Kbit/s	10.59.1.4	786.2 Kbit/s	0x5da102be.taanqu1.static.dsl.tele.dk	784.6 Kbit/s
		0x5da102be.taanqu1.static.dsl.tele.dk	66.1 Kbit/s	10.59.1.4	66.4 Kbit/s
		10.17.102.62	720.0 bit/s	239.255.255.250	432.0 bit/s
09:50 - 09:51	110.8 Kbit/s	10.59.1.4	181.4 Kbit/s	0x5da102be.taanqu1.static.dsl.tele.dk	180.4 Kbit/s
		0x5da102be.taanqu1.static.dsl.tele.dk	24.0 Kbit/s	10.59.1.4	24.2 Kbit/s
		10.17.102.62	144.0 bit/s	ns3.tele.dk	40.0 bit/s
09:49 - 09:50	3.6 Kbit/s	10.59.1.4	488.0 bit/s	87.54.30.21	456.0 bit/s
		10.17.102.62	72.0 bit/s	224.0.0.252	72.0 bit/s
		ns3.tele.dk	64.0 bit/s	10.59.1.4	72.0 bit/s
09:48 - 09:49	3.8 Kbit/s	10.59.1.4	376.0 bit/s	87.54.30.21	328.0 bit/s
		10.17.102.60	168.0 bit/s	224.0.0.251	232.0 bit/s
		ns3.tele.dk	112.0 bit/s	10.59.1.4	112.0 bit/s
09:47 - 09:48	3.8 Kbit/s	10.59.1.4	368.0 bit/s	87.54.30.21	360.0 bit/s
		10.17.102.203	104.0 bit/s	224.0.0.251	104.0 bit/s
		10.17.102.62	72.0 bit/s	10.59.1.4	8.0 bit/s
09:46 - 09:47	4.2 Kbit/s	10.59.1.4	448.0 bit/s	87.54.30.21	408.0 bit/s
		10.17.102.100	336.0 bit/s	224.0.0.251	112.0 bit/s
		10.17.102.1	104.0 bit/s	10.59.1.4	56.0 bit/s
09:45 - 09:46	3.6 Kbit/s	10.59.1.4	360.0 bit/s	87.54.30.21	312.0 bit/s
		10.17.102.62	216.0 bit/s	239.255.255.250	136.0 bit/s
		ns3.tele.dk	72.0 bit/s	10.59.1.71	0.0 bit/s
09:44 - 09:45	3.6 Kbit/s	10.59.1.4	432.0 bit/s	87.54.30.21	408.0 bit/s
		10.17.102.62	72.0 bit/s	224.0.0.252	72.0 bit/s
		10.17.102.121	48.0 bit/s	224.0.0.251	48.0 bit/s
09:43 - 09:44	4.1 Kbit/s	10.59.1.4	584.0 bit/s	87.54.30.21	528.0 bit/s
		ns3.tele.dk	128.0 bit/s	10.59.1.4	136.0 bit/s
		10.17.102.121	96.0 bit/s	10.59.1.71	0.0 bit/s
09:42 - 09:43	3.4 Kbit/s	10.59.1.4	392.0 bit/s	87.54.30.21	344.0 bit/s
		10.17.102.62	72.0 bit/s	224.0.0.252	72.0 bit/s

Websteder, du har tillid til | Beskyttet tilstand: Fra 100%

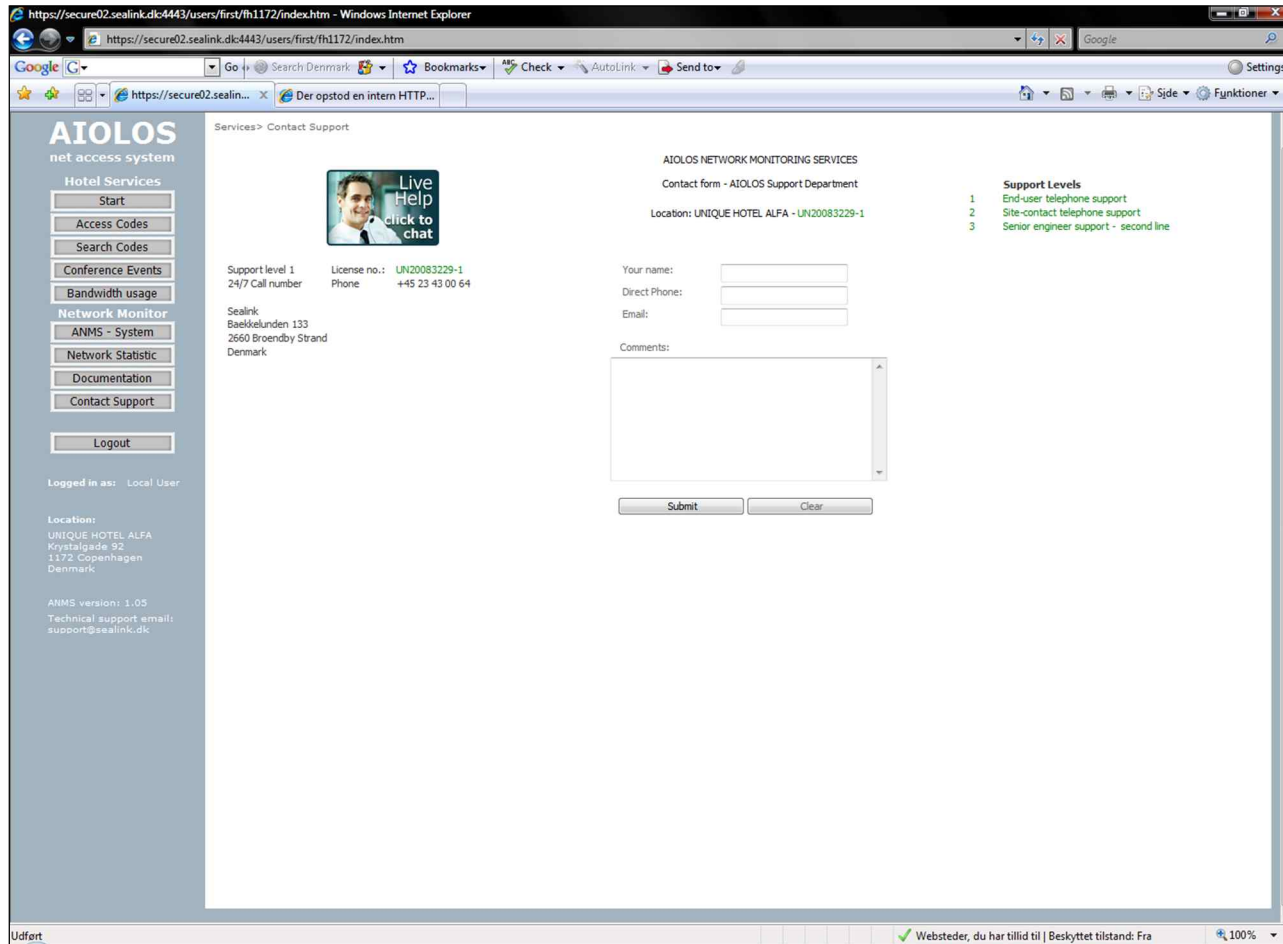
All guest network documents within the hotel chain is available to the IT administrator

Site survey reports, network drawings and all other information regarding the guest network is available for download



Customer support information

Information regard support agreements, chat module and 24 / 7 contact is offered through support module



SEAMON NMS Local System aims at hotels who wish to offer advanced conference features as well as monitoring of their local guest network

Conference opportunities

- Prioritised guaranteed bandwidth
- Public IP address allocation
- Supports on-line broadcasting
- Supports video conference
-

Monitoring of guest network

- What is happening on the guest network?
- Where does it happen on the guest network?
- When is it happening on the guest network?
- Why is it happening on the guest network?

These are questions IT department often ask when the guest network is online and especially in situations when the system is not running.

With SEAMON NMS system the IT department has a powerful tool that can provide them with unique information and answers to most questions regarding their guest network.

SEAMON NMS is an integrated part of SEAMON network access business system, providing access to advanced conference network, information that monitor how much your guest network suffers congestion and exact location