

WaT Server

User Guide

WaT: Web aided Telemetry



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Document version: 2

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1. Introduction

WaT stands for web aided telemetry. It is a web server that can serve seamlessly online telemetry content to any browser and any device over any internet connection.

Access to the server is restricted and selected distributors/clients and appropriate login credentials are required.

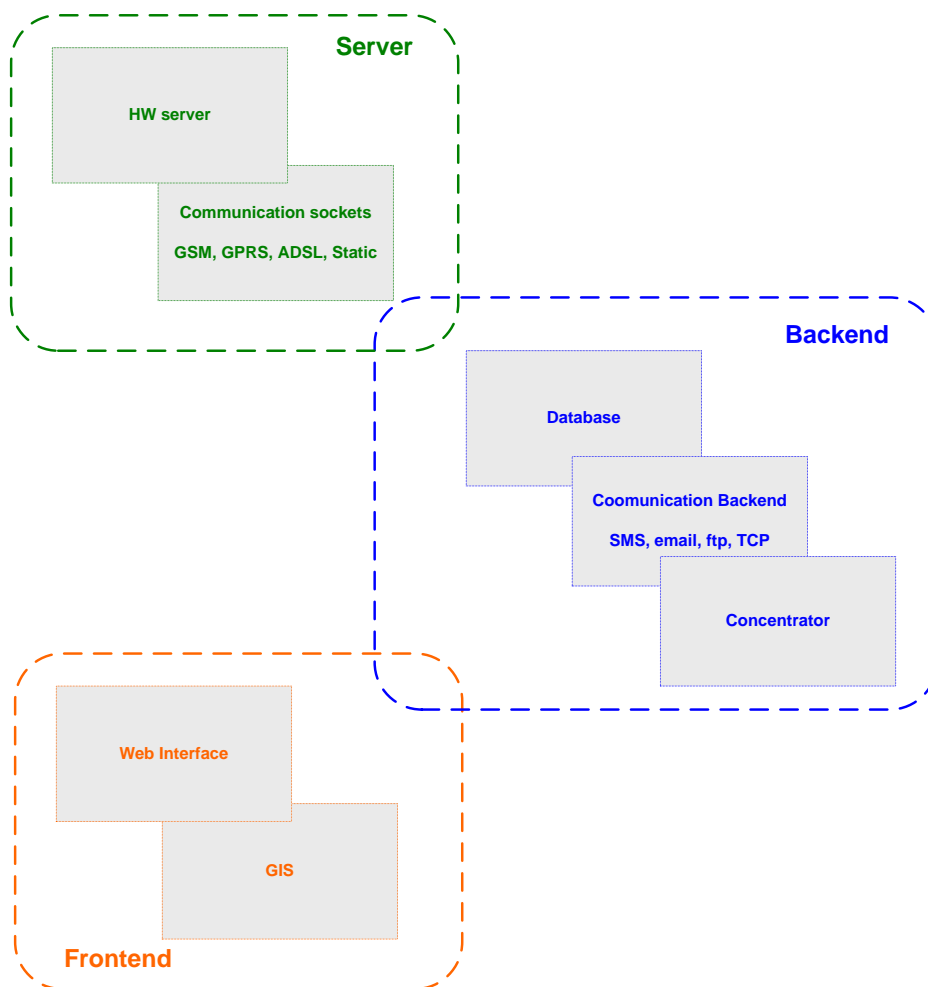
The server supports Infinite's own telemetry products as well as selected 3rd party devices.

Wat was made using Microsoft ASP.NET, and the backend database is Microsoft SQL server. The data collection subsystem that performs telemetry data collection is a number of stationary data concentrator applications.

Telemetry data reach the server in a variety of techniques such as SMS, ftp and tcp socket over GSM and fixed ADSL connections.

Metering devices transmit measurement data to the server wirelessly or wired using communication means like SMS, email, ftp, tcp over GSM or CDMA2000 and GPRS.

The server supports the European specification of open metering systems.



The above diagram illustrates the Servers architecture and subsystems

2. Login Form



infinite WaT Telemetry Server

Login to our telemetry server

User Name :

Password :

This is a restricted private server for web aided telemetry applications.
Login is username, password and IP restricted. Failure to any of these credentials might cause account deactivation.
Only Infinite Informatics Ltd can provide authorisation credentials to access this server.
Access by any unauthorised person is strictly prohibited. If you are not authorized to access this server please exit now.
If you have come to this login form by mistake and would like to view our public site, please go to www.infinite.com.gr
If you have forgotten your username or password please call +30 2310 553545 Mon-Fri 09:00-17:00 or [contact us via email](mailto:contact@infinite.com.gr).

- Multi session is supported :
 1. User can login with a user name and create multi sessions in different tabs in browsers
 2. Session expires in 20 minutes. After expiration user login form is showed
- User Name : Case sensitive
- Password : Case sensitive
- Authentication :
 1. When user clicks 'Log In' a new authentication cookie is created
 2. Cookie expires in 20 minutes. After expiration user login form is showed

3. Menu



Wat Logo.

[Main](#) | [Map](#) | [Chart](#) | [Measurements](#) | [Alarm Events](#) | [Alarm ACK](#) | [Status](#) | [GPS](#) | [File Archives](#) | [TCP Archives](#)

Main :

- Brief presentation of all devices at a glance.
- Display last status of devices.
- Last measurements, status and alarms.
- Search options by group and device.

Map :

- Display devices in a dynamic map object.
- If a device has an alarm the point color turns to red.
- Zoom, Standard Map, Google Map, Google Hybrid, Google Satellite.
- Search options by group and device.

Chart :

- Display measurements in a line graph.
- Multiple search options :
 1. Group, device, channel, chart template (selection of different channels).
 2. Last week.
 3. Date range by date & time.
 4. Date range by user selection (1d, 2d, 1w, etc).

Measurements :

- Display measurements in database column list.
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

Alarms :

- Display alarm events in database column list.
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

Alarm ACK :

- Display alarm acknowledge events in database column list.
- Search options by group, device (treeview), device (by phone or description), date range by date & time.

Status :

- Display status records in database column list.

- Search options by group, device (treeview), device (by phone or description), date range by date & time.

GPS :

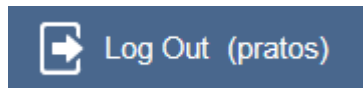
- Display gps route records in database column list.
- Search options by group, device (treeview), device (by phone or description), date range by date & time.

File Archives :

- Display file archives records in database column list.
- Search options by group, device (treeview), device (by phone or description), AI channel, date range by date & time.

TCP Archives :

- Display tcp archives records only for SCOM devices in database column list.
- Search options by group, device (treeview), device (by phone or description), AI channel, date range by date & time.

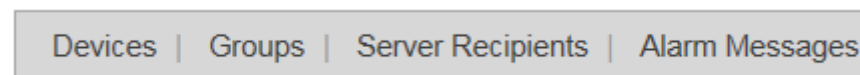


Log Out :

- Log off Wat Server.

On mouse over login detail information is showed :

1. User Role : Administrator, Power User or View Only User
2. Login date time.
3. Client : Client name.



Devices :

- Display devices list.
- Insert, Edit, Delete devices.
- Edit channels parameters.

Groups :

- Display groups list.
- Assign / Unassign devices and users to groups.
- Insert, Edit, Delete group.

Server Recipients :

- Display server recipients list.
- Insert, Edit, Delete server recipient.
- Server recipients can handle alarm acknowledge and also send commands to Wat through get commands.


Alarm Messages :

- Display alarm message list.
- Insert, Edit, Delete alarm message.

4. Footer



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-  Download manual.
- www.infinite.com.gr contact Infinite
- Version : Version last develop date & time

5. Main

Main

- Brief presentation of all devices at a glance.
- Display last status of devices
- Last measurements, status and alarms
- Search options by group and device

[Expand +](#) [Collapse -](#)



- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
- Dordrecht
- Farm
- Milan
- New Zeland
- Teledyne Isco
- Temp
- Thessaloniki
- Zagreb


















- Show groups and devices in tree view format



Name Phone   *Devices:25*


Sort: Group (ASC), Device (ASC)

	Group	ID	Device
--	-------	----	--------

-  Search specific device by phone or device name.
-  Clear variables and display records by previous treeview selection.
- Devices : Count devices in list
- Sort : Last sort criteria (which column is sorted).


	Group	ID	Device	Last Status	Signal %	Status	Logging	AI 1	Alarm	Ack
Select	ADU-500	201	 ADU-500-TU4	12/03/2015 11:03	100			21.3		
Select	Athens	145	 SCOM-100_VIC 	No Status Data						
Select	Bregen	85	 BSC-50 DEMO T RH R	No Status Data	-					
Select	City Centre	41	 BSC-50Ee	No Status Data	-					

- Select : Select line in list
- Group : Group name
- ID : Device id
- Device : Device name
-  **SCOM-100_VIC** : On mouse over the geolocation pic point it shows the detail address of the device (address, postal code, location – state – province – town).
- Last Status : Last status date time
- Signal % : GSM signal quality
- Status :
 1. Green : Device is active
 2. Red : Device is inactive
 3. Yellow : No status data received yet
 4. Grey : Device field 'Status Msg Period (Hours)' is null or zero)
- Logging :
 1. Green : Log data on time
 2. Red : Log data delayed
 3. Yellow : No log data
 4. Grey : Device field 'Sending Rate (Hours)' is null or zero)
- AI 1 : Measurement last value of first AI channel
- Alarm :
 1. Green : Acknowledged
 2. Red : Alarm
- ACK :
 1. If the device is in alarm mode it shows a button with label 'ACK'. When clicked it changes the alarm mode to normal (alarm acknowledge).
- **SCOM-100_VIC**  :
 1. Remote control of SCOM devices.
 2. TCP Mode :

 **Control Panel**


Device : SCOM-100 TG1D(1111111a)
Group : Thessaloniki

TCP [SMS](#)

AI, DI, DO, CNT 

	Type	ID	TagType	Module	Index	Last DT	Last Value	#
Select	AI	728	0	0	1	-	-	
Select	AI	729	0	0	2	-	-	
Select	DI	1114	1	0	1	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1115	1	0	2	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1116	1	0	3	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1117	1	0	4	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DO	221	2	0	1	-	<input type="radio"/> On <input checked="" type="radio"/> Off	Cancel
Select	DO	222	2	0	2	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	DO	223	2	0	3	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	DO	224	2	0	4	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	CNT	710	3	0	1	-	<input type="text"/>	Send

3. Commands can be send for DI, DO and CNT through tcp socket protocol.
4. DI and DO : On / Off
5. CNT : Numeric value
6. SMS Mode :

 **Control Panel**

Device : SCOM-100 TG1D(1111111a)
Group : Thessaloniki

[TCP](#) [SMS](#)

Ascii Command

Command Window

Channel :

7. Commands can be send through sms ascii file and gsm server.

Alarm List (Last 50 Recs)

Sort: SMSDate (DESC), Group (ASC), Device (ASC)

Ch AI	Ch DI	Ch CNT	SMS Date	Contents	Value	Group	Device	ID
Temp-C201			13/07/2015 13:34:41	Temp-C201, HIGH			ADU-COPY	79976
Temp-C201			13/07/2015 13:34:41	Temp-C201, HIGH			ADU-COPY	79978
Temp-C201			13/07/2015 13:34:41	Temp-C201, HIGH			ADU-COPY	79980
Temp-C201			13/07/2015 13:34:41	Temp-C201, HIGH			adu-COPY	79982

- Ch AI : AI channel name
- Ch DI : DI channel name
- Ch CNT : CNT channel name.
- SMS Date : Device SMS send date and time
- Contents : Channel Name, Alarm Message, Value
- Group : Group name
- Device : Device name
- ID : Alarm events database record ID

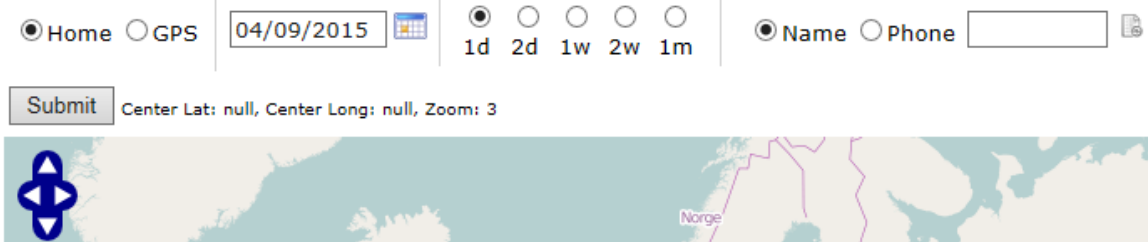
- Status (Device is active), Logging (Log Data on time)
- Status (Device is inactive), Logging (Log Data delayed)
- Status (No Status data), Logging (No Log data)
- Status (Device field 'Status Msg Period (Hours)' in null or zero)
- Logging (Device field 'Sending Rate (Hours)' in null or zero)

- See above.

6. Map :

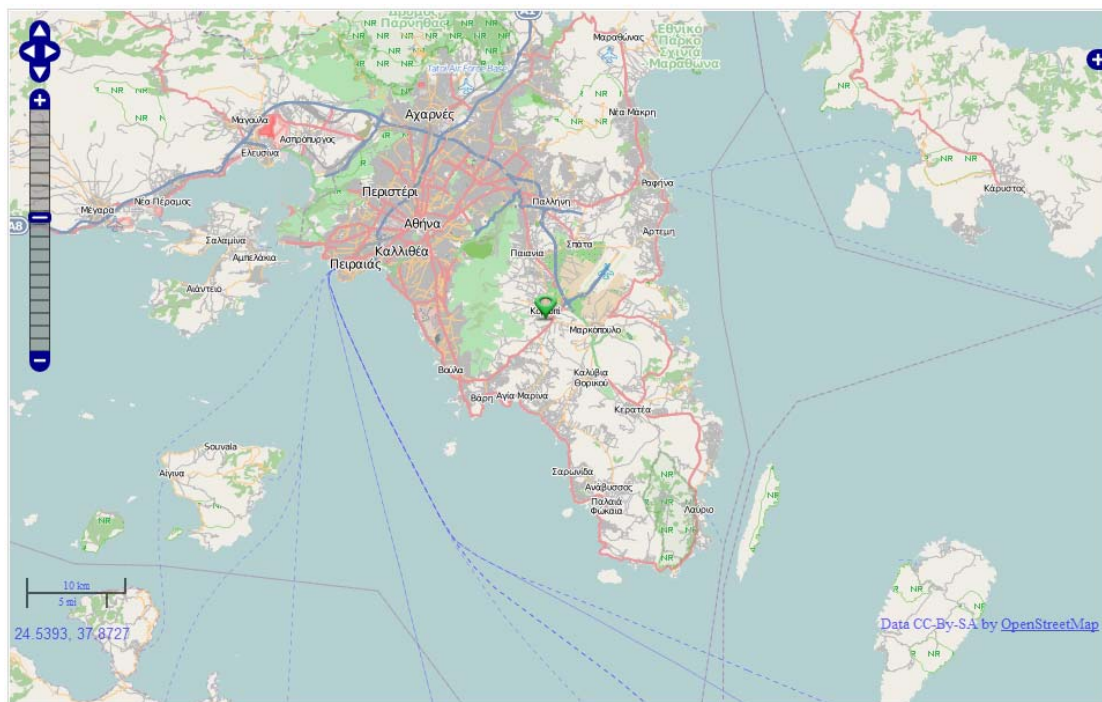


- Display devices in a dynamic map object.
- If a device has an alarm the point color turns to red.
- Zoom, Standard Map, Google Map, Google Hybrid, Google Satellite.
- Search options by group and device (selection by treeview or by name / phone).

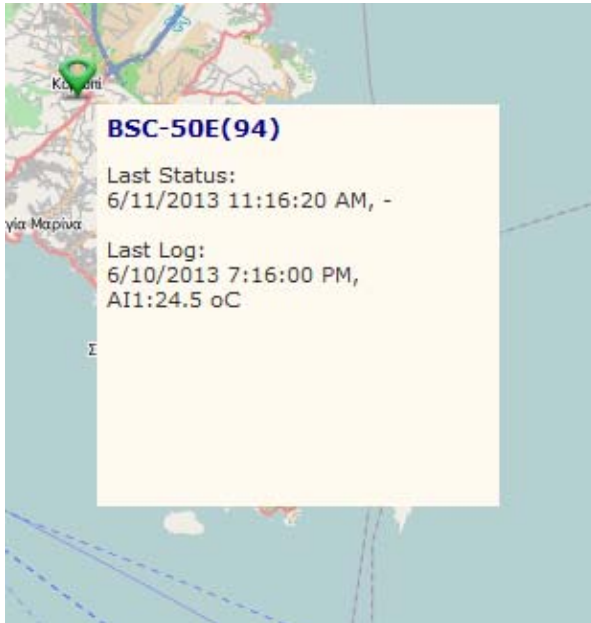


Home Mode :

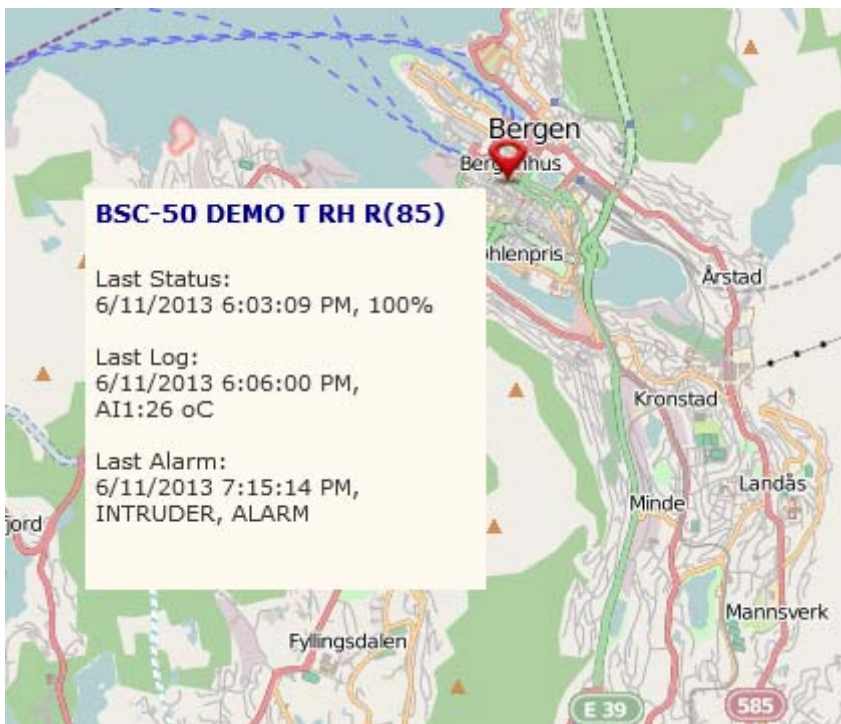
It shows the geographical location of the device on the map.



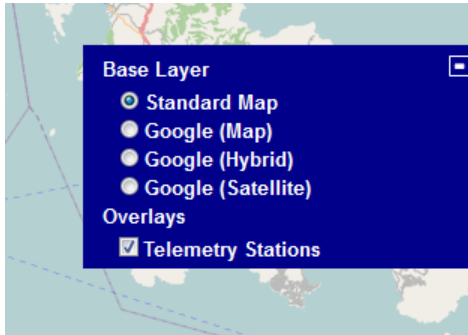
- Standard Map.



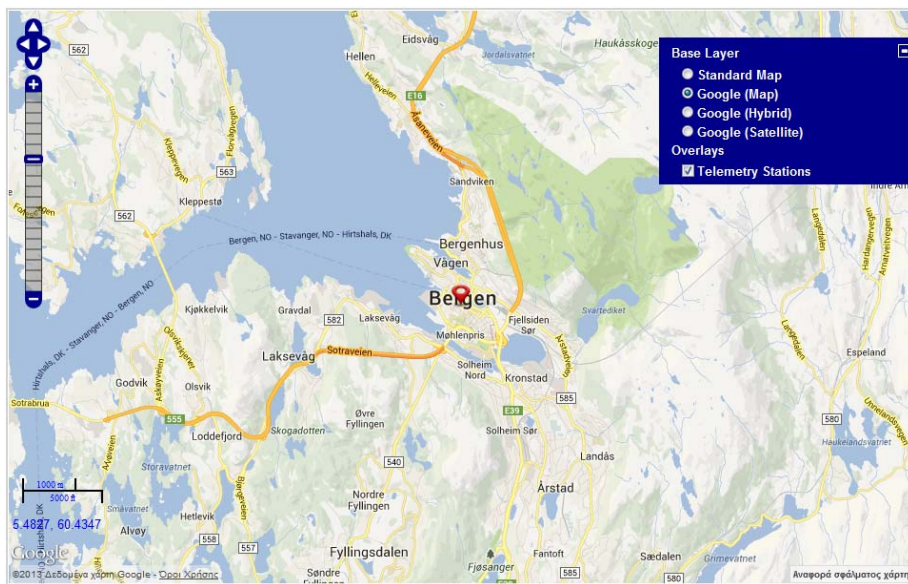
- Measurements balloon popup



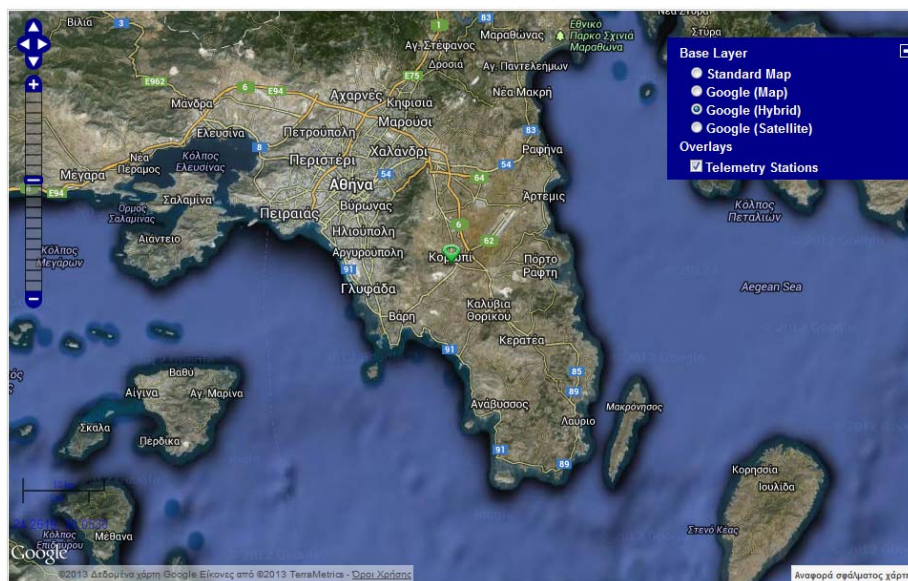
- Alarm balloon.



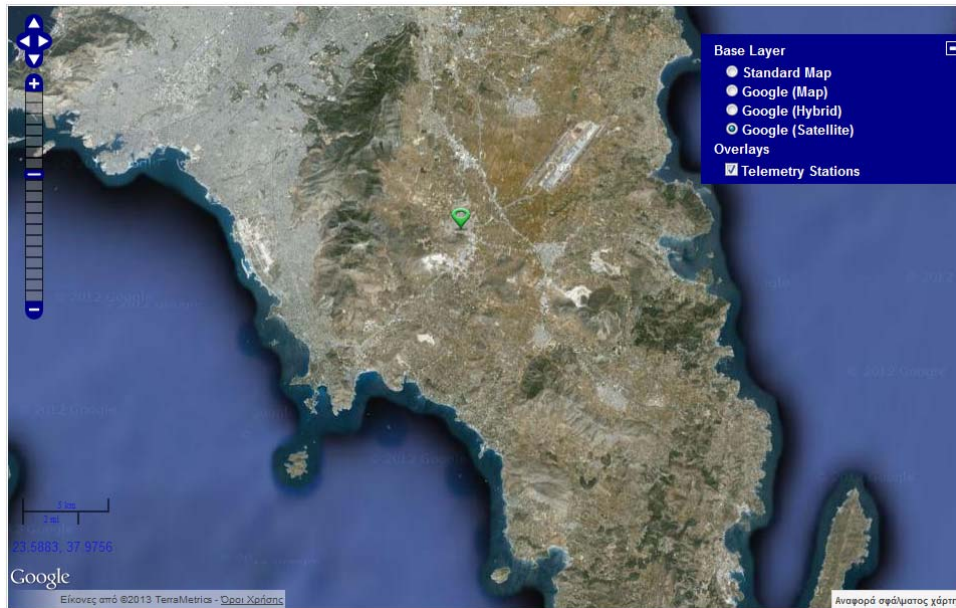
- Layer selection.



- Google Map.



- Google Hybrid.



- Google Satellite.

General Functions :

- Left, right, up, down.
- Zoom in, zoom out.
- Change map coordinates by dragging map up, down, left and right.
- Change layer selection with options standard map, Google map, Google hybrid, Google satellite.
- Check / uncheck 'Telemetry Stations' : Show / hide devices – stations points.

GPS Mode :

If the device is a vehicle It shows the device gps route on the map.

General functions and layer selection is the same as above.



The selection can be made for one day or for a period of time (1 day, 2 days, 1 week, 2 week, 1 month where the start date is selected by the user).

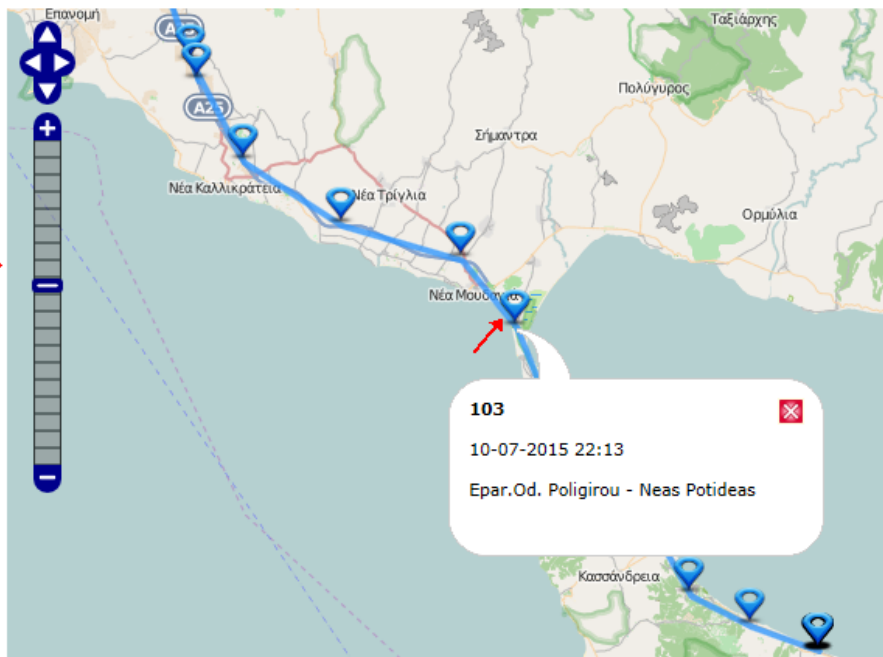
[Expand + Collapse -](#)

All

- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - [ADU-700-10](#)
 - ADU-500 INF
- Dordrecht
- Farm
- Milan
- New Zeland
- Teledyne Isco
- Temp
- Thessaloniki
-

Home GPS 1d 2d 1w 2w 1m Name Phone

Last Selection: ADU-700-10(Demo), Center Lat: 40.638886, Center Long: 22.936090, Zoom: 12



When a ballon gps route point is clicked it shows a ballon with the specific address of the location :

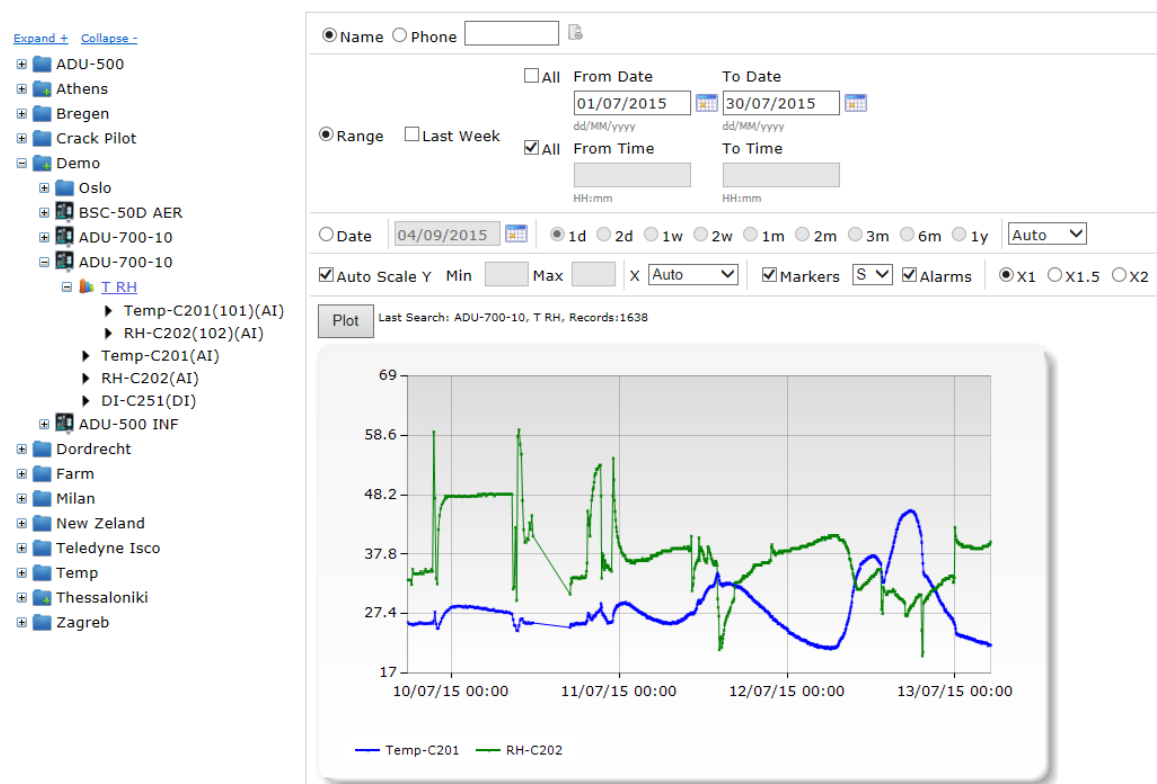
1. 103 : Increment num of the gps route point.
2. 10-07-2015 22:13 : Date time.
3. Address.

7. Chart :

Chart Viewer

- Display measurements using a line graph.
- Multiple search options :
 1. Group and device.
 2. Last week.
 3. Date range by date & time.
 4. Date range by user selection (1d, 2d, 1w, etc).

Chart Viewer

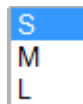


- Search Options :
 1. Range :
 - Range of date selection
 - Last Week : Show graph for the last 7 days
 - All, From Date, To Date : All days, search date period. User can select date from calendar
 - All, From Time, To Time : All times, search time period. User can select date from calendar
 2. Date :
 - Custom date user selection
 - User can select date from calendar
 - 1d (1 day), 2d (2 days), 1w (7 days), 2w (14 days), 1m (30 days), 2m (60 days), 3m (90 days), 6m (180 days), 1y (365 days)

- Scale Options :
 1. Auto Scale Y :
 - Automatic scale Y axis based on the lowest and highest graph values
 - Min : -15% from the lowest graph value
 - Max : +15% from the highest graph value
 2. Min, Max :
 - Min Y axis scale value
 - Max Y axis scale value
 3. Scale X axis :



4. Alarms / Markers :
 - Show / hide points markers
 - Data points are shown :
 - Green color : AI Channel 1
 - Blue color : AI Channel 2
 - Orange color : AI Channel 3
 - Alarm points are shown in red color and also with a custom label 'A'



- S : Small marker size.
 - M : Medium marker size
 - L: Large marker size
5. Zoom Options :
 - X1 : Default size, H 400, W 660
 - X1.5 : Size H 600, W 900
 - X2 : Size H 800, W 1200
- Plot : Run queries with selected options and plot the graph

Chart Templates :

User can select specific channels to show in chart. For example 2 AI channels, 1 DI channel and 1 CNT channel.

Chart templates can be created in devices page :

Chart Templates

Edit New Save Cancel Delete

[First](#) [Previous](#) [Next](#) [Last](#)

#	<input type="text" value="1"/>					
Template ID	<input type="text" value="13"/>	Select	1	13	T RH	Active
Template Name	<input type="text" value="T RH"/>					

Inactive Active Inactive

Assign Channels

#	Type	IONum	ChannelName	
1	AI	1	Temp-C201(101)	UnAssign
2	AI	2	RH-C202(102)	UnAssign

UnAssign Channels

#	Type	IONum	ChannelName	
Assign	1	DI	1	DI-C251

Assign Channels : Channels to show in chart.
 UnAssign Channels : Available channels to show in chart.
 Chart templates are shown in treeview selection in Chart :

- [-] ADU-700-10
 - [-] T RH
 - ▶ Temp-C201(101)(AI)
 - ▶ RH-C202(102)(AI)
 - ▶ Temp-C201(AI)
 - ▶ RH-C202(AI)
 - ▶ DI-C251(DI)




8. Measurements



Measurements

- Display measurements in database column list
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - ADU-700-10
 - ▶ Temp-C201(AI)
 - ▶ RH-C202(AI)
 - ▶ DI-C251(DI)
 - ADU-500 INF
- Dordrecht
- Farm




Name Phone 

All From Date  To Date 

All From Time To Time

Last Search: Demo, ADU-700-10

Page: 1 / 33, View: 50, Total: 1638




  

Sort: SMSDateTime (DESC), Group, Device

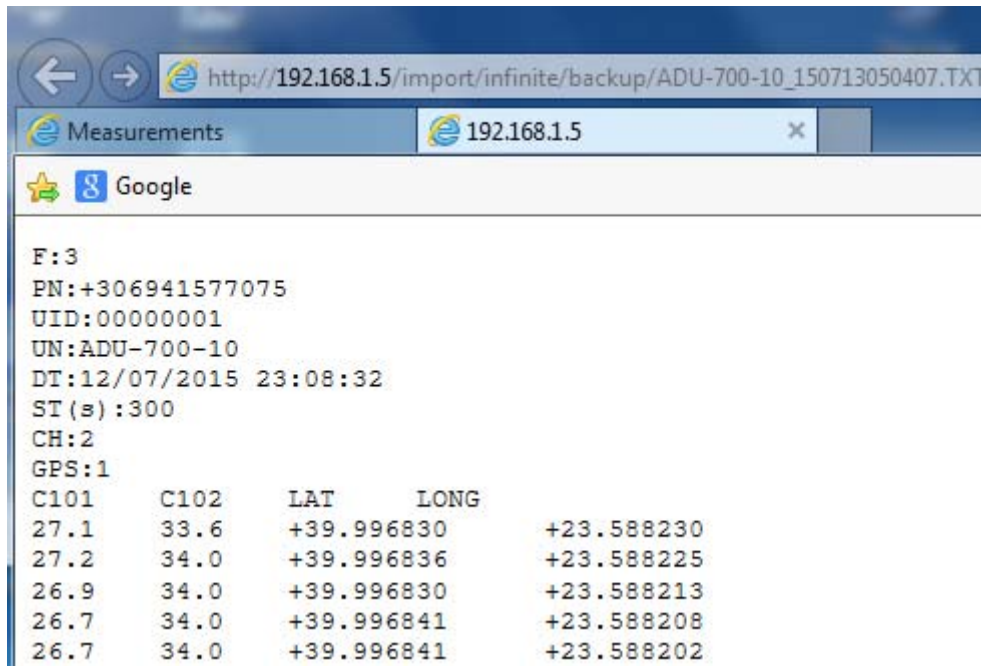
		ID	Group	DeviceID	Device	Type	IONum
<input type="checkbox"/>	Select	10673663	Demo	222	ADU-700-10	0	1
<input type="checkbox"/>	Select	10673664	Demo	222	ADU-700-10	0	2
<input type="checkbox"/>	Select	10673661	Demo	222	ADU-700-10	0	1

Next Last

Channel	SMSDate	SMSTime	Value	File
Temp-C201(101)	13/07/2015	05:03:32	21.9	ADU-700-10_150713050407.TXT
RH-C202(102)	13/07/2015	05:03:32	40	ADU-700-10_150713050407.TXT

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar
 2. All, From Time, To Time : All times, search time period. User can select date from calendar
-  Send query to server and show records in list
-  Export selected records to an excel xls format file
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- Type : Channel type (0 AI, 1 DI, 2 DO, 3 CNT, 4 SDI, 5 RS485).

- IONum : Channel number
- Channel : Channel name
- SMSDate & SMSTime : SMS date time
- Value : Measurement value
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents.



9. Alarms

Alarms

- Display alarm events in database column list.
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - ADU-700-10
 - ▶ Temp-C201(AI)
 - ▶ RH-C202(AI)
 - ▶ DI-C251(DI)

Name Phone

All From Date To Date




All From Time To Time

Last Search: Demo, ADU-700-10
Page: 1 / 1, View: 50, Total: 2

Sort: SMSDateTime (DESC), Group, Device

<input type="checkbox"/>		ID	Group	DeviceID	Device	Type	IONum
<input type="checkbox"/>	Select	38031	Demo	222	ADU-700-10	0	1
<input type="checkbox"/>	Select	38029	Demo	222	ADU-700-10	0	1

Channel	SMSDateTime	Contents	AlarmValue	File
Temp-C201	13/07/2015 13:34:41	Temp-C201, HIGH		SMS_38095984.txt
Temp-C201	13/07/2015 09:24:41	Temp-C201, HIGH		SMS_23093531.txt

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar
 2. All, From Time, To Time : All times, search time period. User can select date from calendar
 3. Name / Phone : Search specific device by phone number or device name.
-  Send query to server and show records in list.
-  Export selected records to xls format file.
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- Type : Channel type (0 AI, 1 DI, 2 DO, 3 CNT, 4 SDI, 5 RS485).
- IONum : Channel number
- Channel : Channel name
- SMSDate & SMSTime : SMS date time
- AlarmValue : Alarm value
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).

10. Alarm ACK

Alarm ACK

- Display alarm events acknowledge in database column list.
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

[Expand +](#) [Collapse -](#)

- All
- ADU-500
 - ADU-500-TU4
 - Athens
 - Bregen
 - Crack Pilot
 - Demo
 - Dordrecht
 - Farm
 - Milan
 - New Zeland
 - Teledyne Isco
 - Temp
 - Thessaloniki
 - Zagreb

Name Phone

Create DateTime
 ACK DateTime

All From Date To Date

All From Time To Time

Sending Type
All

Sending Type Name

Recipient

Alarm

PIN Counter

Last Search: ADU-500
 Page: 1 / 2, View: 50, Total: 64

Sort: CreateDateTime (DESC), Group, Device

		ID	Group	DeviceID	Device	CreateDateTime	RecipientName
<input type="checkbox"/>	<input type="button" value="Select"/>	658	ADU-500	201	ADU-500-TU4	12/03/2015 11:47:18	George Pratos
<input type="checkbox"/>	<input type="button" value="Select"/>	658	ADU-500	201	ADU-500-TU4	12/03/2015 11:47:18	George Pratos




[Next](#)
[Last](#)

SendingTypeName	Alarm	PIN Counter	ACK	ACK DateTime	File
+306974438080	Alarm:TEMP, LOW	656	No		SMS_42434296.txt
+306974438080	Alarm:TEMP, LOW	656	No		SMS_42434296.txt

- Search Options :
 1. Create DateTime : Search with field CreateDateTime.
 2. ACK DateTime : Search with field ACKDateTime.
 3. All, From Date, To Date : All days, search date period. User can select date from calendar.
 4. All, From Time, To Time : All times, search time period. User can select date from calendar.
 5. Name / Phone : Search specific device by phone number or device name.

- Sending Type :



- Sending Type Name :
 1. The user can type any part of the recipient dynamic sending type name which is phone number or email address.
 2. For example +306945 will search any records have this text inside the field.
- Recipient : The user can type any part of the recipient name. For example 'George'.
- Alarm : The user can type any part of the alarm description. For example 'LOW'.
- Pin Counter : Search by pin counter number.
-  Send query to server and show records in list.
-  Export selected records to xls format file.
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- CreateDateTime : Datetime when alarm has been send to the recipient.
- RecipientName : Recipient name.
- SendingTypeName : If sending type is sms it shows phone number or if sending type is email it shows email address.
- Alarm : Alarm description.
- PIN Counter : Unique id. It used to enable alarm acknowledge through sms. The recipient can send an sms to the gsm server phone with pin number as the message. Wat processes the pin and finds the correct record in alarm ack table. Than it changes device alarm mode to true and updates the fields ACK and ACK DateTime.
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).

11. Status

Status

- Display status in database column list.
- Search options by group, device (treeview), device (by phone or description), channel, date range by date & time.

Status

Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - ADU-700-10
 - ADU-500 INF
 - Dordrecht
 - Farm
 - Milan
 - New Zeland
 - Teledyne Isco
 - Temp

Name Phone

All From Date To Date

All From Time To Time




Last Search: Demo, ADU-700-10

Page: 1 / 2, View: 50, Total: 90

Sort: SMSDateTime (DESC), Group, Device

	ID	Group	DeviceID	Device	SMSDateTime	TotalSamples
<input type="checkbox"/> <input type="button" value="Select"/>	39503	Demo	222	ADU-700-10	13/07/2015 13:55:05	1
<input type="checkbox"/> <input type="button" value="Select"/>	39502	Demo	222	ADU-700-10	13/07/2015 12:54:19	1
<input type="checkbox"/> <input type="button" value="Select"/>	39500	Demo	222	ADU-700-10	13/07/2015 11:54:19	1
<input type="checkbox"/> <input type="button" value="Select"/>	39499	Demo	222	ADU-700-10	13/07/2015 09:54:20	1

SQ Min	SQ Avg	SQ Max	Ber Min	Ber Avg	Ber Max	SQ Error	Ber Error	File
19	19	19	0	0	0	0	0	SMS_39319828.txt
17	17	17	0	0	0	0	0	SMS_35672421.txt
19	19	19	0	0	0	0	0	SMS_32072109.txt
17	17	17	0	0	0	0	0	SMS_24873765.txt

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar.
 2. All, From Time, To Time : All times, search time period. User can select date from calendar.
 3. Name / Phone : Search specific device by phone number or device name.
-  Send query to server and show records in list.
-  Export selected records to xls format file.
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name

- DeviceID : Device ID
- Device : Device Name
- SMSDateTime : SMS date time
- TotalSamples : Signal quality samples taken
- SQ Min : Signal quality min.
- SQ Avg : Signal quality avg.
- SQ Max : Signal quality max.
- Ber Min : Minimum number of errors
- Ber Avg : Average number of errors
- Ber Max : Maximum number of errors
- SQ Error : Signal Quality Error.
- Ber Error : Number of errors
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).

12. GPS



Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - [ADU-700-10](#)
 - ADU-500 INF
- Dordrecht
- Farm
- Milan
- New Zeland
- Teledyne Isco
- Temp
- Thessaloniki
- Zagreb

Name Phone

All From Date To Date

All From Time To Time

Address

FileName

Last Search: Demo, ADU-700-10
Page: 1 / 19, View: 50, Total: 905

Sort: RouteDateTime (DESC), Group, Device

							Next	Last
<input type="checkbox"/>	Select	ID	Group	DeviceID	Device	RouteDateTime	CreateDateTime	
<input type="checkbox"/>	Select	1200	Demo	222	ADU-700-10	13/07/2015 13:55:05	13/07/2015 10:55:24	
<input type="checkbox"/>	Select	1199	Demo	222	ADU-700-10	13/07/2015 12:54:19	13/07/2015 09:54:36	
<input type="checkbox"/>	Select	1198	Demo	222	ADU-700-10	13/07/2015 11:54:19	13/07/2015 08:54:37	

Latitude	Longitude	Address	FileName
40.638580	22.936500	Αριστοτέλους Βαλαωρίτου,2,546 26,Thessaloniki,Greece	SMS_39319828.txt
40.655044	22.911236	Par. Agias Paraskevis,37,561 22,Menemeni,Greece	SMS_35672421.txt
40.578661	22.973408	Posidonos,,555 35,,Greece	SMS_32072109.txt

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar.
 2. All, From Time, To Time : All times, search time period. User can select date from calendar.
 3. Name / Phone : Search specific device by phone number or device name.
- Address : The user can type any part of the address.
- FileName : The user can type any part of the filename.
- Send query to server and show records in list
- Export selected records to xls format file
- Delete selected records (only for administrator & power user).

- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- RouteDateTime : Route gps location date time.
- CreateDateTime : Database record created date time.
- Latitude : Location Latitude.
- Longitude : Location Longitude.
- Address : Detail address of the gps location (address, number, postal code, state – province – town, country).
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).

13. File Archives

File Archives

Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - ADU-700-10
 - ADU-500 INF
- Dordrecht
- Farm
- Milan
- New Zealand
- Teledyne Isco
- Temp
- Thessaloniki
- Zaqreb

Name Phone

All From Date To Date

All From Time To Time

Type

File Name

Last Search: Demo, ADU-700-10
Page:1 / 3, View:50, Total:111




Sort: CreateDateTime (DESC), Group, Device

Next Last						
		ID	Group	DeviceID	Device	CreateDateTime
<input type="checkbox"/>	Select	182412	Demo	222	ADU-700-10	13/07/2015 10:55:23
<input type="checkbox"/>	Select	182409	Demo	222	ADU-700-10	13/07/2015 10:34:59
<input type="checkbox"/>	Select	182400	Demo	222	ADU-700-10	13/07/2015 09:54:35

FileName	Type
SMS_39319828.txt	STATUS
SMS_38095984.txt	ALARM
SMS_35672421.txt	STATUS

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar.
 2. All, From Time, To Time : All times, search time period. User can select date from calendar.
 3. Name / Phone : Search specific device by phone number or device name.
- Type :

- All
 - SMS Data
 - SMS Alarm
 - SMS Status
 - ADU Bind
 - ADU Data
 - iLog
 - UnKnown

- FileName : The user can type any part of the filename.
-  Send query to server and show records in list
-  Export selected records to xls format file
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- CreateDateTime : Database record created date time.
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).
- Type : see above in type search option.

14. TCP Archives

TCP Archives

Expand + Collapse -

- All
- ADU-500
- Athens
- Bregen
- Crack Pilot
- Demo
 - Oslo
 - BSC-50D AER
 - ADU-700-10
 - ADU-700-10
 - ADU-500 INF
- Dordrecht

Name Phone

All From Date To Date

All From Time To Time




Type

File Name

Socket ID

- Search Options :
 1. All, From Date, To Date : All days, search date period. User can select date from calendar.
 2. All, From Time, To Time : All times, search time period. User can select date from calendar.
 3. Name / Phone : Search specific device by phone number or device name.
- Type :

All
OUT Socket
IN Socket

- FileName : The user can type any part of the filename.
- Socket ID : The user can type any part of the socket id.
-  Send query to server and show records in list
-  Export selected records to xls format file
-  Delete selected records (only for administrator & power user).
- Select : Select line in list
- ID : Unique ID
- Group : Group Name
- DeviceID : Device ID
- Device : Device Name
- CreateDateTime : Database record created date time.
- File : SMS source file from GSM Server. File link opens browser tab - window with file contents (see picture above in measurements).
- Type : see above in type search option.

15. Devices

It is recommended to consult the respective device’s manual for detailed descriptions regarding the functions described below.

Devices

- Display device list
- Insert, Edit, Delete devices
- Edit channels parameters

Main Tab :

Expand + Collapse - **Main** Parameters Alarming Map Chart | Digital Analog Output Counters SDI RS-485

All Devices: 10 Name Phone


	#	Status	Alarm	Group	DeviceID	DeviceName	PhoneNumber
<input type="button" value="Select"/>		Active		ADU-500	201	ADU-500-TU4	+306972235766s
<input type="button" value="Select"/>		Active		Athens	145	SCOM-100_VIC	+306941577075we
<input type="button" value="Select"/>		Active		Bregen	85	BSC-50 DEMO T RH R	+306972235766rt

Type	Latitude	Longitude	ZoomLevel	ShowInTree	EDI	#
ADU 500 B	40.638878	22.936221		Yes	<input type="checkbox"/>	
SCOM-100	38.004103	23.884974		Yes	<input type="checkbox"/>	
BSC-50-E	60.391469	5.321674		Yes	<input type="checkbox"/>	

- New : Create new device. Duplicate phone number raises an error
- Delete : Delete a selected device and all its related tables (measurements, status, etc)
- Copy : Create a clone device using another device’s configuration
- Devices : Selection records.
- Search specific device by phone or device name.
- Select : Select line in list
- Status : Active / inactive device
- Alarm : Device is in alarm status
- Group : Group the device is assigned.
- Device ID : Unique device ID
- DeviceName : Device Name
- PhoneNumber : Unique phone number
- Type : BSC, SCOM, iLog, Power Electric, ADU.
- Latitude : Map latitude
- Longitude : Map longitude
- ZoomLevel : Map zoom level.
- EDI : Enable export records from measurements.
- # : Send commands to SCOM device through sms or tcp socket.

Remote control of SCOM devices.


TCP Mode :

 **Control Panel**

Device : SCOM-100 TG1D(1111111a)

Group : Thessaloniki

TCP [SMS](#)

AI, DI, DO, CNT 

	Type	ID	TagType	Module	Index	Last DT	Last Value	#
Select	AI	728	0	0	1	-	-	
Select	AI	729	0	0	2	-	-	
Select	DI	1114	1	0	1	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1115	1	0	2	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1116	1	0	3	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DI	1117	1	0	4	-	<input checked="" type="radio"/> On <input type="radio"/> Off	
Select	DO	221	2	0	1	-	<input type="radio"/> On <input checked="" type="radio"/> Off	Cancel
Select	DO	222	2	0	2	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	DO	223	2	0	3	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	DO	224	2	0	4	-	<input type="radio"/> On <input type="radio"/> Off	Send
Select	CNT	710	3	0	1	-	<input type="text"/>	Send

Commands can be send for DI, DO and CNT through tcp socket protocol.

1. DI and DO : On / Off
2. CNT : Numeric value
3. SMS Mode :

 **Control Panel**

Device : SCOM-100 TG1D(1111111a)

Group : Thessaloniki

TCP [SMS](#)

Ascii Command

Command Window

Channel :

Commands can be send through sms ascii file and gsm server.

Parameters Tab :

- Edit : Update record.
- Save : Save record.
- Cancel : Cancel edit and return to main tab.

Main	
ID	<input type="text" value="145"/>
Name	<input type="text" value="SCOM-100_VIC"/>
Descr	<input type="text"/>
Phone Number	<input type="text" value="+306941577075we"/>
Type	<input type="text" value="SCOM-100"/> ▼
Client	<input type="text" value="Infinite LTD"/> ▼
Status	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No
EDI	<input type="checkbox"/>
Comments	<input type="text" value="Infinite LTD"/> ▲▼

- Descr : Device description 2.
- Status : If a device is inactive in Wat it cannot receive dynamic data (measurements, alarms, status).
- Show In Tree : If set to 'No' device is not showed in treeview selection.
- Comments : Remarks.

Subscription	
Start Date (dd/mm)	<input type="text"/> 
Make Invisible In Days	<input type="text"/>
End Date (dd/mm)	<input type="text"/>

- Start Date : Start of subscription date
- Make Invisible In Days : Subscription duration in days. After subscription expires device is hidden from the WaT Server
- End Date : End of subscription date

Other

Version	<input style="width: 100%;" type="text"/>
Verbose Response	<input type="checkbox"/>
Merge Alarms	<input type="checkbox"/>
Avail SMS Alarm Limit	<input style="width: 100%;" type="text"/>
SMS Counter Preset	<input style="width: 100%;" type="text"/>
Retries	<input style="width: 100%;" type="text"/>
Retry Delay (Sec)	<input style="width: 100%;" type="text"/>
Status Msg Period (Min)	<input style="width: 100%;" type="text"/>
Status Idle Time Period (Sec)	<input style="width: 100%;" type="text"/>
Pin Number	<input style="width: 100%;" type="text"/>

- Version : Firmware version
- Verbose Response : Detailed responses to commands
- Merge Alarms : Multi alarm SMS messages are merged to one
- Avail SMS Alarm Limit : Available prepaid SMS limit
- SMS Counter Preset : Prepaid SMS preset
- Retries : Number of retries
- Retry Delay (Sec) : Delay between retries
- Status Msg Period (Hours) : Status sending rate period in hours
- Pin Number : SIM card pin number

Logging

AI Alarm Deadband (%)	<input style="width: 100%;" type="text"/>
AI Sampling Delay (Sec)	<input style="width: 100%;" type="text"/>
AI Sampling Interval (Min)	<input style="width: 100%;" type="text"/>
Log Rate (Nr. of AI Samples)	<input style="width: 100%;" type="text"/>
Sending Rate (Min)	<input style="width: 100%; border: 1px solid #ccc;" type="text" value="5"/>
SCOM Log Rate	<input style="background-color: #f0f0f0;" type="text" value="--Select One--"/>

- Analog Input Alarm Deadband (%) : Alarm deadband
- AI Sampling Delay (Sec) : Sampling power up time in seconds
- AI Sampling Interval (Min) : Sampling interval in minutes
- Logging Rate (Nr. Of AI Samples) : Logging rate as number logs
- Sending Rate (Hours) : Logged data sending rate in hours.

Data Transmission

- Logging Scale User
 Raw
- Data Msg Format Compressed
 Normal

- Logging Scale : Type of telemetry data structure
- Data Msg Format : Type of telemetry data structure

AI BSC

Analog (BSC)

Edit
Save
Cancel

First
Previous
Next
Last

KeyNum

IO Num

Channel Name

Mode

Unit

Sensor Low

Sensor High

Scale Low

Scale High

Alarm Low

Alarm High

Delay (Min)

M2P Low Msg

M2P High Msg

M2M Low Msg

M2M High Msg

High AL Send Data Yes
 No

Low AL Send Data Yes
 No

Status Active
 Inactive

Alarm On
 Acknowledged

Show In Tree Yes
 No

First
Previous
Next
Last

	Status	Alarm	IO Num	Channel Name	Mode	Unit
Select	Active	■	1	TEMP	V	oC
Select	Active	■	2	RH	V	%

Sensor Low	Sensor High	Alarm Low	Alarm High	Delay (Min)	ShowInTree
0	4095	-50	45		Yes
0	3276	0	100		Yes

- KeyNum : BSC AI channel unique id
- IONum : BSC AI channel number
- Channel Name : BSC AI channel name
- Mode : Current, Voltage
- Unit : Measurement unit. User can select from list or create a new one from the empty text box below unit selection.
- Sensor Low : Sensor low A2D setting
- Sensor High : Sensor high A2D setting
- Scale Low : User scale low limit
- Scale High : User scale high limit
- Alarm Low : Alarm limit low
- Alarm High : Alarm limit high
- Delay (Min) : ?
- M2P 0 > 1 Msg : Machine to person alarm message on a low to high transition
- M2P 1 > 0 Msg : Machine to person alarm message on a high to low transition
- M2M 0 > 1 Msg : Machine to machine alarm message on a low to high transition
- M2M 1 > 0 Msg : Machine to machine alarm message on a high to low transition
- High AL Send Data : Send measured data in case of high alarm
- Low AL Send Data : Send measured data in case of low alarm
- Status : Active / inactive
- Alarm : Alarm status

AI SCOM

Analog (SCOM)	
<input type="button" value="Edit"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
First Previous Next Last	
KeyNum	<input type="text"/>
IONum	<input type="text"/>
Channel Name	<input type="text"/>
Mode	--Select One-- <input type="button" value="v"/>
<hr/>	
Unit	--Select One-- <input type="button" value="v"/>
<hr/>	
Sensor Low	<input type="text"/>
Sensor High	<input type="text"/>
Scale Low	<input type="text"/>
Scale High	<input type="text"/>
Alarm Low	<input type="text"/>
Alarm High	<input type="text"/>
Delay In Sec	<input type="text"/>
M2P Low Message	--Select One-- <input type="button" value="v"/>
M2P High Message	--Select One-- <input type="button" value="v"/>
Status	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Alarm	<input type="radio"/> On <input checked="" type="radio"/> Acknowledged
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No
First Previous Next Last	

	Status	Alarm	IO Num	Channel Name	Mode
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	1	T0	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	2	AI2	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	3	T1	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	4	T2	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	5	RH	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	6	LEVEL	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	7	AI7	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	8	AI8	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	9	AI9	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	10	AI10	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	11	AI11	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	12	AI12	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	13	AI13	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	14	AI14	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	15	AI15	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	16	AI16	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	17	AI17	V
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	18	AI18	V

Unit	Sensor Low	Sensor High	Alarm Low	Alarm High	Delay (Sec)	ShowInTree
oC	2031	3085	0	40		Yes
%						No
oC	2031	3030	0	40		Yes
oC	0	3890	0	40		Yes
%	0	3917	10	90		Yes
mm	819	4095	100	2450		Yes
%						No
%						No
%						No
%						No
%						No
%						No
%						No
%						No
%						No
%						No
%						No

- KeyNum : SCOM AI channel unique id
- IONum : SCOM AI channel number
- Channel Name : SCOM AI channel name
- Mode : Current, Voltage
- Unit : Measurement unit. User can select from a list or create a new one.
- Sensor Low : Sensor low A2D setting
- Sensor High : Sensor high A2D setting
- Scale Low : User scale low limit
- Scale High : User scale high limit
- Alarm Low : Alarm limit low.
- Alarm High : Alarm limit high.
- Delay (Min) : Alarm delay in minutes
- M2P Low Msg : Machine to person low alarm message
- M2P High Msg : Machine to person high alarm message
- Status : Active / inactive
- Alarm : Alarm status

DI BSC

Digital (BSC)	
<input type="button" value="Edit"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
First Previous Next Last	
KeyNum	<input type="text"/>
IONum	<input type="text"/>
Channel Name	<input type="text"/>
Alarm Mode	--Select One--
Alarm Delay (Sec)	<input type="text"/>
M2P 0 > 1 Msg	--Select One--
M2P 1 > 0 Msg	--Select One--
M2M 0 > 1 Msg	--Select One--
M2M 1 > 0 Msg	--Select One--
0 > 1 AL Send Data	<input checked="" type="radio"/> Yes <input type="radio"/> No
1 > 0 AL Send Data	<input checked="" type="radio"/> Yes <input type="radio"/> No
Status	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Alarm	<input type="radio"/> On <input checked="" type="radio"/> Acknowledged
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No
First Previous Next Last	

	Status	Alarm	IO Num	Channel Name	Alarm Mode	Alarm Delay (Sec)	ShowInTree
<input type="button" value="Select"/>	Active	<input checked="" type="checkbox"/>	131	INTRUDER	0		Yes
<input type="button" value="Select"/>	Inactive	<input checked="" type="checkbox"/>	132	DI132	1		No
<input type="button" value="Select"/>	Inactive	<input checked="" type="checkbox"/>	133	DI133	0		No

- KeyNum : BSC DI channel unique id
- IONum : BSC DI Channel number
- Channel Name : BSC DI channel name
- Alarm Mode : 0, 1, 2, 3
- Alarm Delay (Sec) : See device manual
- M2P 0 > 1 Msg : Machine to person alarm message on a low to high transition
- M2P 1 > 0 Msg : Machine to person alarm message on a high to low transition
- M2M 0 > 1 Msg : Machine to machine alarm message on a low to high transition
- M2M 1 > 0 Msg : Machine to machine alarm message on a high to low transition
- Status : Active / inactive
- Alarm : Alarm status

DI SCOM

Digital (SCOM)		Status	Alarm	IO Num	Channel Name	Alarm Mode	Alarm Delay (Sec)	ShowInTree	
Edit Save Cancel First Previous Next Last KeyNum <input type="text"/> IONum <input type="text"/> Channel Name <input type="text"/> Alarm Mode --Select One-- Alarm Delay (Sec) <input type="text"/> M2P 0 > 1 Msg --Select One-- M2P 1 > 0 Msg --Select One-- Mode --Select One-- Counter Scale Factor <input type="text"/> Status <input checked="" type="radio"/> Active <input type="radio"/> Inactive Alarm <input type="radio"/> On <input checked="" type="radio"/> Acknowledged Show In Tree <input checked="" type="radio"/> Yes <input type="radio"/> No First Previous Next Last		Select	Active	■	1	INTRUDER	0		Yes
		Select	Active	■	2	DI2	0		
		Select	Active	■	3	DI3	0	Yes	
		Select	Active	■	4	DI4	0	Yes	
		Select	Active	■	5	DI5	0	No	
		Select	Active	■	6	DI6	0	No	
		Select	Active	■	7	DI7	0	No	
		Select	Active	■	8	DI8	0	No	
		Select	Active	■	9	DI9	0	No	
		Select	Active	■	10	DI10	0	No	
		Select	Active	■	11	DI11	0	No	
		Select	Active	■	12	DI12	0	No	
		Select	Active	■	13	DI13	0	No	
		Select	Active	■	14	DI14	0	No	

- KeyNum : SCOM DI channel unique id
- IONum : SCOM DI Channel number
- Channel Name : SCOM DI channel name
- Alarm Mode : 0, 1, 2, 3
- Alarm Delay (Sec) : See device manual
- M2P 0 > 1 Msg : Machine to person alarm message on a low to high transition
- M2P 1 > 0 Msg : Machine to person alarm message on a high to low transition
- Mode : C (Counter), R (Remote input)
- Counter Scale Factor : See device manual
- Status : Active / inactive
- Alarm : Alarm status

DO SCOM

Digital Output (SCOM)		Status	IO Num	Channel Name	
<input type="button" value="Edit"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/>		<input type="button" value="Select"/>	Active	1	GENERATOR
First Previous Next Last		<input type="button" value="Select"/>	Active	2	AC
KeyNum	<input type="text"/>	<input type="button" value="Select"/>	Active	3	LIGHTS
IONum	<input type="text"/>	<input type="button" value="Select"/>	Active	4	DO4
Channel Name	<input type="text"/>	<input type="button" value="Select"/>	Active	5	DO5
Start Up State	--Select One-- <input type="button" value="v"/>	<input type="button" value="Select"/>	Active	6	DO6
Mode	--Select One-- <input type="button" value="v"/>	<input type="button" value="Select"/>	Active	7	DO7
Schedule ID	<input type="text"/>	<input type="button" value="Select"/>	Active	8	DO8
On Duration Min	<input type="text"/>	<input type="button" value="Select"/>	Active	9	DO9
Off Duration Min	<input type="text"/>	<input type="button" value="Select"/>	Active	10	DO10
Inactive	<input checked="" type="radio"/> Active <input type="radio"/> Inactive	<input type="button" value="Select"/>	Active	11	DO11
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="button" value="Select"/>	Active	12	DO12

Start Up State	Mode	ShowInTree
0	R:Remote Output	Yes
1	R:Remote Output	Yes
0	R:Remote Output	Yes
0	R:Remote Output	Yes
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No
0	R:Remote Output	No

- KeyNum : SCOM DO channel unique id
- IONum : SCOM DO channel number
- Channel Name : SCOM DO channel name

- Start Up Sate : 0, 1 (NO, NC)
- Mode : M (Multivibrator), R (Remote output), T (Time Scheduled)
- Schedule ID : Time schedule ID
- On Duration Min : On duration in minutes
- Off Duration Min : Off duration in minutes
- Status : Active / inactive.
- Alarm : Alarm status.

CNT – Counters

Counters	
<input type="button" value="Edit"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
First Previous Next Last	
KeyNum	<input type="text"/>
IONum	<input type="text"/>
Channel Name	<input type="text"/>
Scale Low	<input type="text"/>
Scale High	<input type="text"/>
Alarm Low	<input type="text"/>
Alarm High	<input type="text"/>
Inactive	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Alarm	<input type="radio"/> On <input checked="" type="radio"/> Acknowledged
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No

	Status	Alarm	IONum	ChannelName
<input type="button" value="Select"/>	Active	■	1	CNT1
<input type="button" value="Select"/>	Active	■	2	CNT2
<input type="button" value="Select"/>	Active	■	3	CNT3
<input type="button" value="Select"/>	Active	■	4	CNT4
<input type="button" value="Select"/>	Active	■	5	CNT5
<input type="button" value="Select"/>	Active	■	6	CNT6
<input type="button" value="Select"/>	Active	■	7	CNT7
<input type="button" value="Select"/>	Active	■	8	CNT8
<input type="button" value="Select"/>	Active	■	9	CNT9
<input type="button" value="Select"/>	Active	■	10	CNT10
<input type="button" value="Select"/>	Active	■	11	CNT11
<input type="button" value="Select"/>	Active	■	12	CNT12

Scale Low	Scale High	Alarm Low	Alarm High	ShowInTree
				Yes
				Yes
				Yes
				Yes
				No

- KeyNum : CNT channel unique id
- IONum : CNT channel number
- Channel Name : CNT channel name
- Scale Low : User scale low limit

- Scale High : User scale high limit
- Alarm Low : Alarm limit low
- Alarm High : Alarm limit high
- Status : Active / inactive
- Alarm : Alarm status

RS485

RS-485	
<input type="button" value="Edit"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/>	
First Previous Next Last	
KeyNum	<input type="text"/>
IONum	<input type="text"/>
Channel Name	<input type="text"/>
Unit	<input type="text"/>
Sensor Address	<input type="text"/>
Command	<input type="text"/>
Start Register	<input type="text"/>
Num Of Registers	<input type="text"/>
Inactive	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Alarm	<input type="radio"/> On <input checked="" type="radio"/> Acknowledged
Show In Tree	<input checked="" type="radio"/> Yes <input type="radio"/> No



- KeyNum : RS485 channel unique id
- IONum : RS485 channel number
- Channel Name : RS485 channel name
- Status : Active / inactive
- Alarm : Alarm status

16. Groups

Groups - Thessaloniki(50)

- Display groups list.
- Insert, Edit, Delete group.

Main Tab

Group ID:
 Group Name:
 Parent Group: 
 Status: Active Inactive
 Show In Tree: Yes No
 Center Latitude:
 Center Longitude:
 Map Zoom Level:
 Client: 

	GroupID	GroupName	ParentGroupID	ParentGroupName
<input type="button" value="Select"/>	50	Thessaloniki		
<input type="button" value="Select"/>	57	City Centre	50	Thessaloniki
<input type="button" value="Select"/>	78	Farm		
<input type="button" value="Select"/>	82	Dordrecht		
<input type="button" value="Select"/>	83	Singapore Airport		
<input type="button" value="Select"/>	88	Bregen		
<input type="button" value="Select"/>	92	Athens		
<input type="button" value="Select"/>	93	Milan		

Status	ShowInTree	Center Latitude	Center Longitude	MapZoomLevel
Active	Yes	40.638886	22.936090	11
Active	Yes	40.638886	22.936090	15
Active	Yes			
Active	Yes			

- Group ID : Group unique id.
- Group Name : Group name
- Parent Group : Parent group name where child group belongs to
- Center Latitude : Latitude to initialize map position when user selects group from Map page.
- Center Longitude : Longitude to initialize map position when user selects group from Map page
- Map Zoom Level : Initialize map zoom level
- Client : Client name.

Devices & Users Tab

Assign Devices			UnAssign Devices
DeviceID	DeviceName		No unassign devices
93	SCOM-100	UnAssign	
205	SCOM-100 TG1D	UnAssign	

Assign Users			UnAssign Users		
UserID	UserName			UserID	UserName
176	deh	UnAssign	Assign	123	chrisk
			Assign	172	Federico
			Assign	115	guest
			Assign	179	infinite
			Assign	147	mark
			Assign	160	Oliver
			Assign	177	timo

- Assign users to Groups. When a user with rights (User / View Only) logging in should see only Group that he is assigned off

17. Server Recipients

Server Recipients

- Display device list.
- Insert, Edit, Delete device user.

Main Tab

Edit New Save Cancel Delete

Recipient ID

Recipient Name

Phone Number

Email

Twitter

Sending Type
 Email
 SMS
 Email & SMS
 Twitter

Client --Select One--

	Recipient ID	Recipient Name
Select	1	George Pratos
Select	13	Chris Triantafyllidis

Phone Number	Email	Twitter	Sending Type
+306974438080	pratos@indinf.gr		Email & SMS
+306945338700	ctriada@gmail.com		Email & SMS

- Recipient ID : Unique recipient id
- Recipient Name : Recipient name
- Phone Number : Unique phone number
- Email : Recipient email address
- Twitter : Recipient twitter account
- Sending Type :

- Email
- SMS
- Email & SMS
- Twitter

Devices Tab :

George Pratos (1)

Assign Devices

Group	DeviceID	DeviceName	
Temp	149	ADU-500-TU2	UnAssign
ADU-500	201	ADU-500-TU4	UnAssign
City Centre	41	BSC-50Ee	UnAssign
			3

UnAssign Devices

	Group	DeviceID	DeviceName
Assign	Crack Pilot	146	ADU-400 CRK
Assign	New Zeland	112	ADU-500
Assign	Demo	224	ADU-500 EST
Assign	Temp	153	ADU-500 GRB

18. Alarm Messages

Alarm Messages

- Display alarm message list.
- Insert, Edit, Delete device user.

Buttons: Edit, New, Save, Cancel, Delete

Message ID	<input type="text"/>
Message Name	<input type="text"/>
Client	--Select One-- <input type="button" value="v"/>

	MessageID	MessageName
<input type="button" value="Select"/>	9	TEST2
<input type="button" value="Select"/>	11	ALARM
<input type="button" value="Select"/>	15	HIGH
<input type="button" value="Select"/>	16	LOW
<input type="button" value="Select"/>	17	ABOVE 25oC

- Message ID : Alarm message unique id.
- Message Name : Alarm message name
- Client : Client name

WAT Specifications

Hardware and communications (1.1.1)

Hardware

Server	Server (HP Proliant) with 2 X dual core Xeon 2.8 Ghz processors
Power Supply	Dual Power Supply 220V/300 W
Memory	8GB
HDD	2X146 GB SAS
NIC	2 X gigabit Ethernet cards
CD	DVD recorder
Serial port	RS232, 9600 to 115200 bps
USB	2 USB ports

Communications

Internet connection	ADSL 24Mbps with Static IP
GSM Modem	Sierra Q2687 Quad band (850/900/1800/1900MHz) GSM/GPRS MODEM

Software

Server OS	Microsoft Windows 2008 Server
Database	Microsoft SQL Server 2012 Express
Internet Server	Microsoft IIS v6 (SP2)
FTP Server	Microsoft IIS v6 (SP2)

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