

A product developed by:



Objectives



- Realtime CORS GNSS networks monitoring displayed in list or in geo-referenced map;
- Easy and controlled access to stations data;
- Simple network management;
- Integrated system independent of GNSS receiver brand/model.

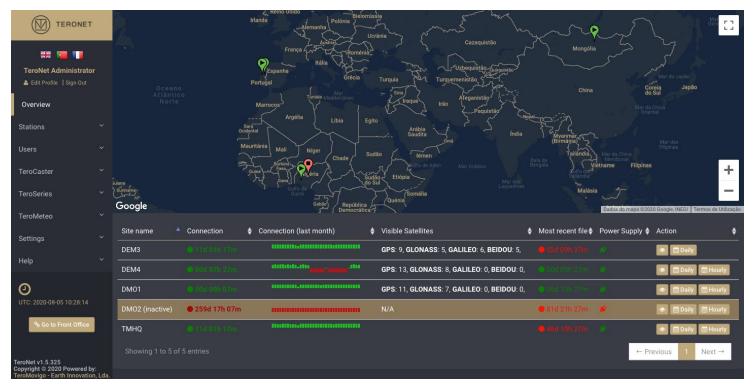
Main Features

- Web service compatible with all platforms;
- Support for different types of communications between server and CORS (IP, SSH-Tunnel*, unattended);
- Security restricted access to data files and metadata;
- Management tools user access control, CORS management, etc.;
- Email notifications and automated CORS monitoring;
- Statistics main statistics about network performance.

Network Management



- Easy management of CORS in the network;
- Easy management of users/groups that access the network;
- CORS data management;
- User activity accounting;
- Customized network reports and alerts.



GNSS Receiver Independent



Works with all major brands of GNSS receivers.













Server



The server manages all the network and processes automatically the files to RINEX. The server can use Linux or Windows operating systems.

Client

The client is only required to have a web browser, any browser / operating system will work. Remote access is possible from any point and at any time.

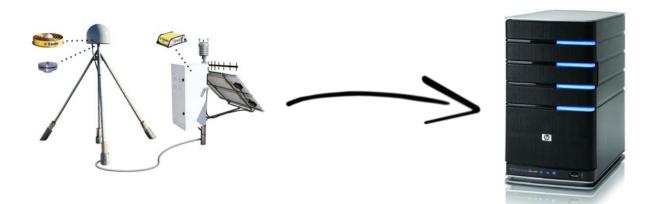


Communication:



The communication between the server and the GNSS station can be made by:

- Fixed IP;
- FILE (no remote monitoring);
- SSH-Tunnel*.

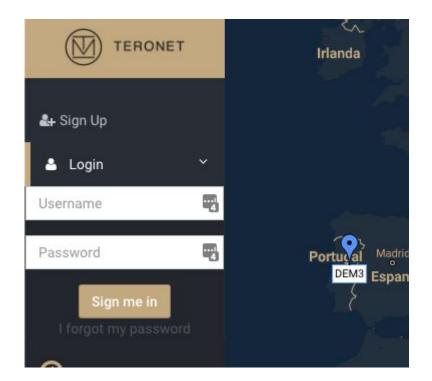


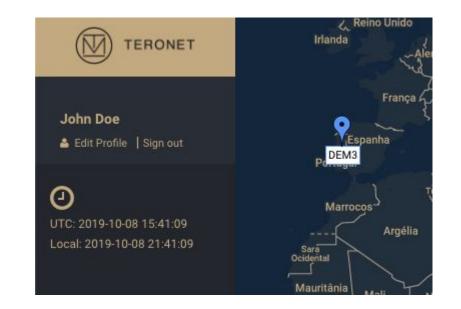
* This connection type was developed at TeroMovigo to avoid the need of a Public IP (and associated high costs) thus allowing the remote monitoring of the station.

TERONET

Security

Only registered users with proper credentials can access the data within the network.



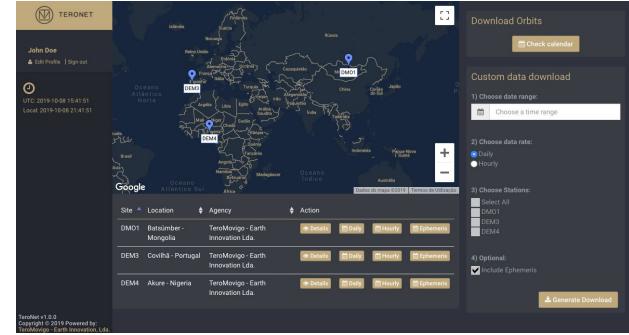




Accounting

Limited access for regular users (Non-Administrators).

- Possibility to limit which stations the users should have access to;
- Possibility to limit the amount of data the user can download;
- Possibility to create a bulk download.



Real Time Information



Status of communications and data transfer is permanently monitored and available via graphical interface.



Total Control Over Data



Possibility of re-processing old data with different configurations on independent stations and independent dates. All raw data is converted to RINEX versions 2.1+

TERONET		Re-	process F	RAW files			
평문 📲 🚺	r	#	Site name	Most recent file	Most recent file	Last file processed	Date range
👗 Edit Profile 丨 Sign Out			DMO1	5648R50942202008042300A.T02 - 100%		🗢 00d 06h 54m	08/05/2020 - 08/05/2020
Overview Stations			DMO2	202005151200A.sbf - 100%			08/05/2020 - 08/05/2020
List Re-process RAW files			DEM3	5428R49088202008030000B.T02 - 100%		● 00d 17h 55m	
Networks Upload Files			DEM4	5133K77743202008050000A.T02 - 100%		💛 00d 06h 54m	08/05/2020 - 08/05/2020
Users TeroCaster			TMHQ	202006192300A.sbf - 100%			
TeroSeries		Re	-process selecte	ed RAW data			
TeroMeteo							
Settings							
Help							
0							

Station Statistics



Historical information about quality of communications of each station. (Ex. ON/OFF and delays in last 24 Hours, 7 Days and 30 Days)



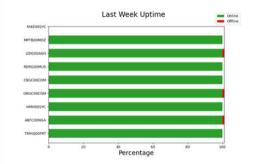


Network Reports

Customized reports with station and users activity.

Stations Uptime Last Week

Station	Uptime	Downtime
TMHQ00PRT	0%	100%
ABFC00NGA	-1%	101%
VIMH00SYC	0%	100%
GRGC00COM	-1%	101%
CBGC00COM	0%	100%
RDRG00MUS	0%	100%
LDIG00AGO	-1%	101%
MPTB00MOZ	0%	100%
FAKE00SYC	NAN%	NAN%



RINEX Files

Daily

Name	Available	Expected	Percentage
TMHQ00PRT	4	7	57.14%
ABFC00NGA	0	7	0%
VIMH00SYC	0	7	0%
GRGC00COM	0	7	0%
CBGC00COM	0	7	0%
RDRG00MUS	0	7	0%
LDIG00AGO	0	7	0%
MPTB00MOZ	0	7	0%
FAKE00SYC	0	7	0%

RINEX Files Hourly

Name	Available	Expected Percentag	
TMHQ00PRT	108	168	64.29%
ABFC00NGA	0	168	0%
VIMH00SYC	101	168	60.12%
GRGC00COM	0	168	0%
CBGC00COM	0	168	0%
RDRG00MUS	0	168	0%
LDIG00AGO	0	168	0%
MPTB00MOZ	0	168	0%
FAKE00SYC	0	168	0%

Caster Usage Per User arodrigues

Name	Time	Total Connections
NEAR	00:00:00	0
TMHQ	04:38:29	5
ABFC	00:00:00	0
VIMH	00:00:00	0
GRGC	00:00:24	4
CBGC	00:00:00	0
RDRG	00:00:00	0
LDIG	00:00:00	0
MPTB	00:00:00	0
VIM2	00:00:00	0





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Customization of Alerts



Customized alerts allow administrators to configure the size of periodic reports and establish alerts on specific events.

TERONET	Reports/Alert settings	
Edit Profile I Sign Out Overview Stations Users TeroCaster TeroSeries TeroMeteo	Frequency Mon Tue Wed Tue Tri Tri Sat Sun Bels Plus Support (ଭେନଭେନଭେଭଭେକଭେଭଭେକଭା Sun Setare Support (ଭେଳଭେନଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭଭ	Station Status Alerts Station DMO1 Status Change File Delay File Delay File Delay Number of Satellites Number of Satellites Temperature Temperature
Settings	History size of reports (in days)	Voltage Voltage
General settings Reports/Alert settings Home page		Submit
Help UTC: 2020-08-05 12:07:33		

Data Monitoring and Conversion



Data converted from RAW to RINEX using independent applications

Station Data

Easy access to the station data (RINEX Files).

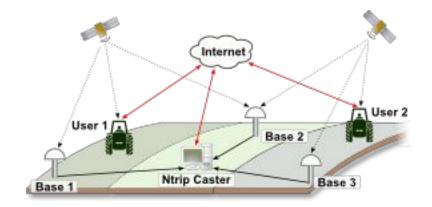




TeroCaster: NTRIP Caster

Integrated with TeroNet, TeroCaster is an open-source solution developed by TeroMovigo to implement NTRIP Caster.

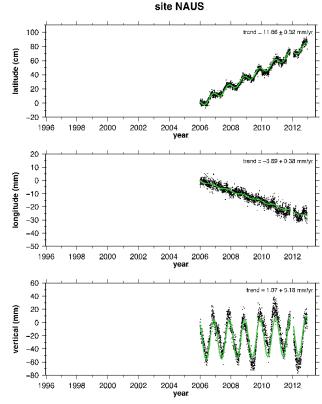
It has all the functionalities of common NTRIP Caster software and is integrated with TeroNet in a seamless way.



Other features



- **Network Stability** monitor internal deformations of the network or jumps in the station position and alert administration users;
- FTP Forward Possibility to forward data to another FTP server for mirroring purposes.



Available plans



SUPPO	DRT	BASIC	BASIC ⁺	CLOUD
=	TeroMovigo data center backup	-	v	~
	TeroMovigo cloud backup	12	-	1
н	Years of support	3 5 10	3 5 10	3 5 10
INSTA	LLATION			
	Client premises server	\checkmark	\checkmark	-
	Cloud server	-	-	1
	Number of stations	10 25 ∞	10 25 ∞	10 25 🕫
EXTRA	FEATURES			
-	TeroCaster (NTRIP Caster)		~	~



Contact

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