

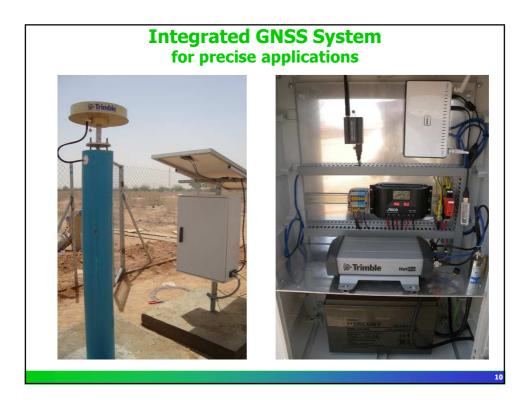
SEGAL some current projects

SOGRA - Supporting Optimized GNSS Research in Africa

Development of an integrated system to be deployed at remote locations and able to be used by different scientific and technical GNSS applications simultaneously (e.g., ionosphere studies, tectonics, reference frames)



With: Boston College and AFRL, USA



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Integrated GNSS System for precise applications

Mobile Communications is the best option at many regions in the globe, particularly in Africa. Because the alternatives are:

- too expensive (Satellite Links)
- unreliable or inexistent (Landline comms)

However, the management of the stations requires remote access which implies the existence of a real IP (public or dynamic). This is not possible in Nigeria (and many other countries) because no IP is provided to the mobile user when (s)he connects.

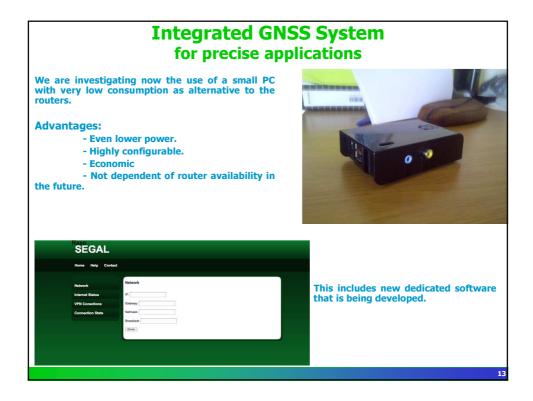
To use a public IP is possible but it is very a expensive.





SEGAL developed a solution that allows to access remotely all stations in the network using a single server with public IP.

Each station establishes a secure connection with the server which creates a direct tunnel between them allowing the remote access to the station.



| Sector Harms | monitoring gnss networks w.o developed by SEGAL |
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| GN is an application develo | oped by SEGAL to monitoring GNSS networks. |
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