

## **HxGN SmartNet | RINEX Data Services**

HxGN SmartNet transforms the world's largest reference station network into multiple services, including RINEX Data services, as well as Network RTK for real-time corrections on any GNSS device.



## RINEX Data Services

RINEX is a file format that stores GNSS observations received by the largest reference station network across the globe. Our RINEX data provides the foundation on which HxGN SmartNet is built, allowing us to bring our reference stations into the millimetre world. As a RINEX Download subscriber, you can do the same.

Since we have the most reference stations, we also have the most complete RINEX set globally, and offer several ways of accessing and integrating the data into your workflow.

## Post-Processing Services

1. RINEX Data Access Service  
Original raw data of reference stations
2. Virtual RINEX Access Service<sup>1)</sup>  
Network-corrected data for user-defined reference location
3. Coordinate Computation Service<sup>1)</sup>  
Post-processing of statistic and kinematic data
4. Coordinate Transformation<sup>1)</sup>  
Transformation of coordinate lists (e.g. transformation from the global reference frame to a local reference frame)

<sup>1)</sup>Product subject to availability

## RINEX Access Tools

1. **Web-based customer portal**  
Access to Post-Processing services
2. **API<sup>1)2)</sup>**  
Enables you to develop your own software to integrate the RINEX data access service provided by the HxGN SmartNet reference station network

<sup>1)</sup>A demo environment will be available for testing

<sup>2)</sup>API availability according to subscription volume

## Technical Specifications

Data format	RINEX v3.04
Observation rate	1 <sup>1)</sup> , 5, 10, 15, 20, 30, 60 seconds
File length	15 minutes files
Supported GNSS <sup>2)</sup>	GPS / GLONASS / Galileo / BeiDou / QZSS
RINEX data time availability	1 year
RINEX geography availability	<a href="#">Coverage Map</a>

<sup>1)</sup>API is offering only 1 second Observation rate

<sup>2)</sup>Depends on local reference station infrastructure

## RINEX Product Articles

RINEX data download is available for single country<sup>1)</sup> or continent<sup>2)</sup> in yearly subscription packages from 500 hours upwards.

<sup>1)</sup>[Coverage map](#)

<sup>2)</sup>Europe, North America and Canada, Australia

## Support

- Commercial contact  
[Contact form](#)
- Technical Support contact  
[Contact form](#)

For all the RINEX Data Services the following HxGN SmartNet General Terms & Conditions apply and are available under: [hxgnsmartnet.com/legal-documents](http://hxgnsmartnet.com/legal-documents).



Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at [hexagon.com](https://hexagon.com) and follow us @HexagonAB.