swift NAVIGATION

SKYLARK™ Nx RTK

PRODUCT SUMMARY

Network RTK for High Precision Positioning

Skylark is a cloud-based GNSS corrections service that enables accurate and reliable precise positioning for location-based products across industries and around the world. Skylark Nx RTK enables centimeter accuracy for applications requiring high levels of precision and greater flexibility and affordability than traditional vertically integrated solutions.

FEATURED USE CASES

- Rail Equipment Monitoring
- Drones
- Robotic Lawnmowers
- Autonomous Agriculture
- GIS

MAXIMUM PRECISION

1-2 cm accuracy with instant convergence to first RTK integer fix.

RELIABLE

RTK networks in major markets around the world, including North America, Europe, Taiwan, and South Korea.

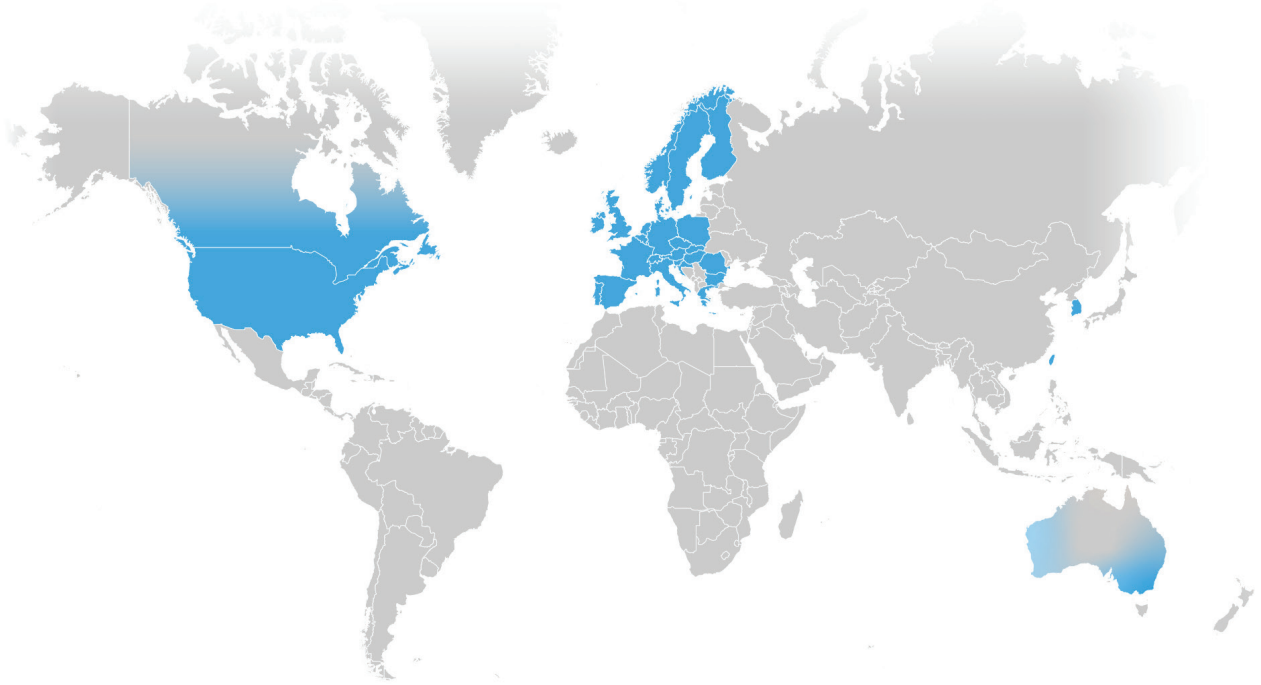
EASY TO DEPLOY

Interoperable with any standards-compliant RTK receiver, instant access to RTK corrections without the need for a local base station.

swift NAVIGATION

SKYLARK™ Nx RTK

PRODUCT SUMMARY



CORRECTIONS TECHNOLOGY	Network RTK
ACCURACY	1-2 cm[1]
CONVERGENCE	Instant
COVERAGE	Regional
STREAM DELIVERY MECHANISM	Over Internet Connection, directly through Skylark or via customer backend
SUPPORTED GNSS SIGNALS	GPS (L1C/A, L2C, L5) Galileo (E1, E5b, E5a, E6) BeiDou (B1I, B2A, B1C, B3I)
SUPPORTED 3RD-PARTY CLIENTS	3rd Party RTK receivers via NTRIP and support from RTCM 3.1 or RTCM 3.2 MSM5
INTERFACE	NTRIP 1.0 / 2.0
DATA FORMATS	RTCM 3.1 & RTCM 3.2 MSM5
REFERENCE FRAME	ITRF2020, WGS84, NAD83 (US), ETRS89 (Europe), DREF91 (Germany)

[1] Actual system performance may vary. Results depend on a variety of factors including but not limited to: use-case dynamics, receiver and antenna characteristics, location of operation.

swift NAVIGATION