



SKYLARK™
Cx

PRODUCT SUMMARY

Uniform Country-Wide Precise 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 Cx delivers near RTK-level accuracy with uniform coverage and high availability for products and applications that just have to work—everywhere, always.

FEATURED USE CASES



Automotive



GIS



Logistics & Fleet
Management



Outdoor Robots

HIGH PRECISION

Decimeter level accuracy and convergence in seconds, with uniform performance across major markets in North America, Europe, Asia, and Australia.

RELIABLE

Broad coverage and high availability, backed by a carrier-grade network and commercial-grade SLA.

EASY TO DEPLOY

Interoperable with a wide range of third-party components, tested and validated with leading platforms and positioning engines.

GUARANTEED SAFETY

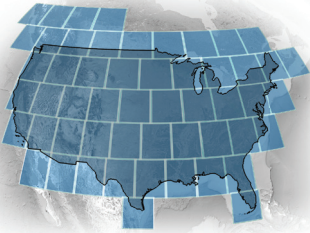
High integrity positioning available for safety-critical products and applications, compliant with ISO 26262 for ASIL-B.

MASS MARKET PROVEN

Scalable to support billions of devices worldwide.



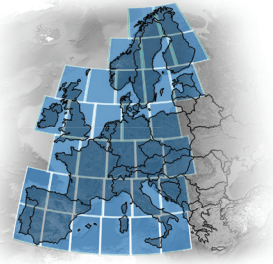
SSR Tile Coverage



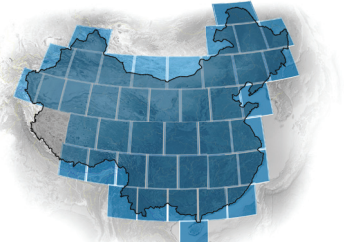
North America Coverage



Japan and South Korea Coverage



Europe Coverage



China Coverage⁽¹⁾

Test network available in Australia. Network deployments in progress in Eastern Europe and across the rest of Canada.

CORRECTIONS TECHNOLOGY	PPP-RTK
ACCURACY	<10 cm ⁽²⁾
CONVERGENCE TIME TO DECIMETER ACCURACY	<20 seconds
COVERAGE	Country-wide
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) BeiDou (B1I, B2A, B1C)
SUPPORTED 3RD-PARTY CLIENTS	3rd Party RTK receivers via NTRIP / RTCM
CORRECTIONS AVAILABILITY	99.9% minimum
INTEGRITY	Protection level of 1m and TIR of 10 ⁻⁷ failures / hour ⁽³⁾
INTERFACE	NTRIP 1.0 / 2.0
DATA FORMATS	RTCM 3.2 MSM4 & 5 SSR ⁽⁴⁾
REFERENCE FRAME	ITRF 2014

¹ The Skylark GNSS corrections network in China is operated by a third party licensed by the Chinese government

² Actual system performance may vary, dependent but not limited to: use-case dynamics, receiver and antenna characteristics, location of operation.

³ Using Swift's Starling Positioning Engine and SSR

⁴ Third-party receiver support is coming soon for SSR

