



Leica Spider Software Suite

Focus on Geodesy, Not
Infrastructure: Operating Models
for NMAs GNSS Networks



Leica GNSS Spider Suite Software

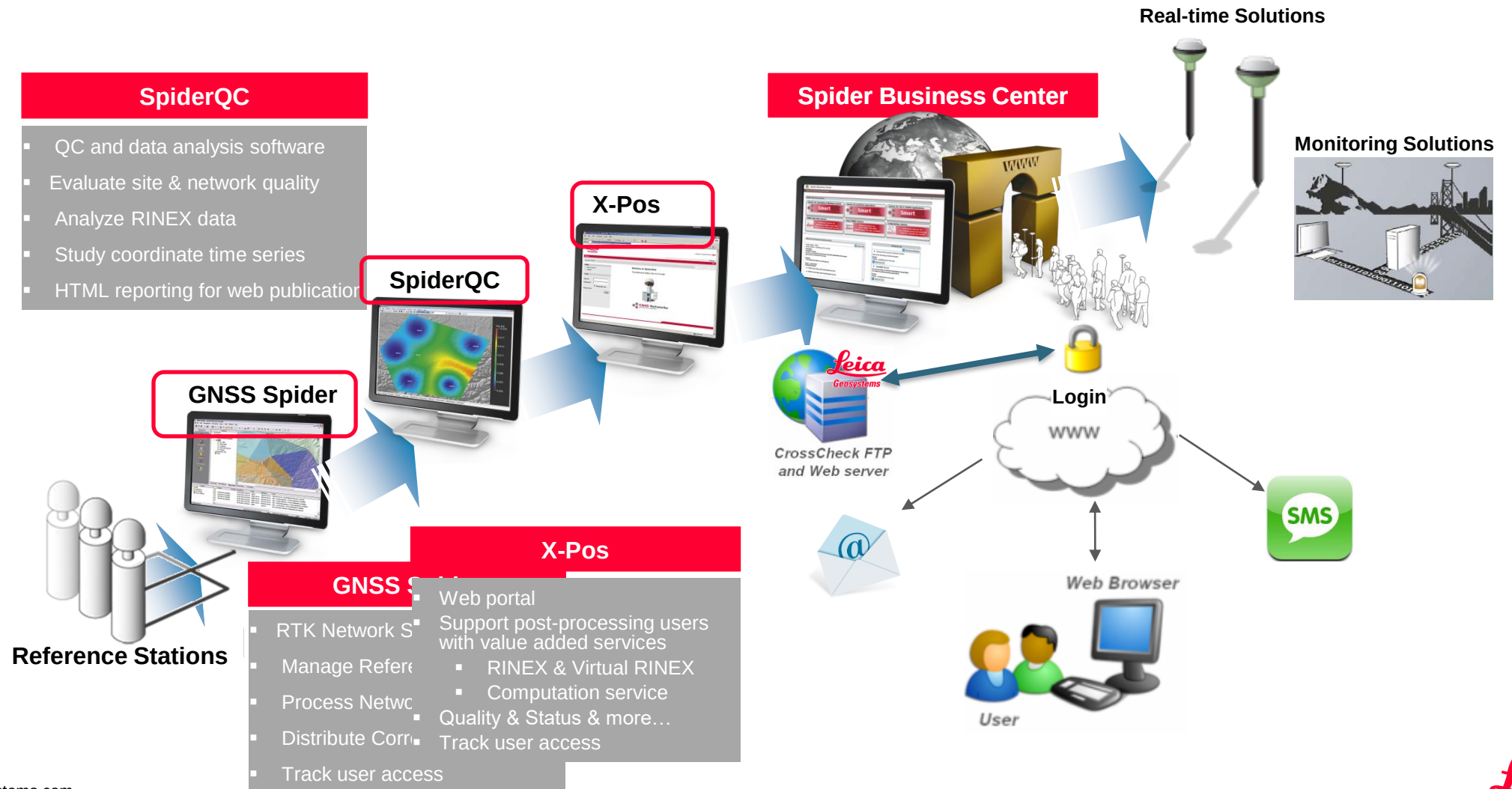
- GNSS network infrastructure solution
- Real-time correction services
- Post-processing services
- GNSS Data Archiving & Distribution
- Structural monitoring

→ The engine of HxGN SmartNet



HxGN SmartNet | Global

Leica GNSS Spider Suite Software



The Challenges of Running a GNSS Network In-House

What a national mapping agency must take on to operate GNSS network software on its own

IT Expertise & Infrastructure

- Servers, networking and storage to procure, run and secure
- 24/7 uptime, backups and redundancy to maintain
- Operating system, database and patching kept current
- Cyber-security and data-sovereignty obligations

GNSS & Software Expertise

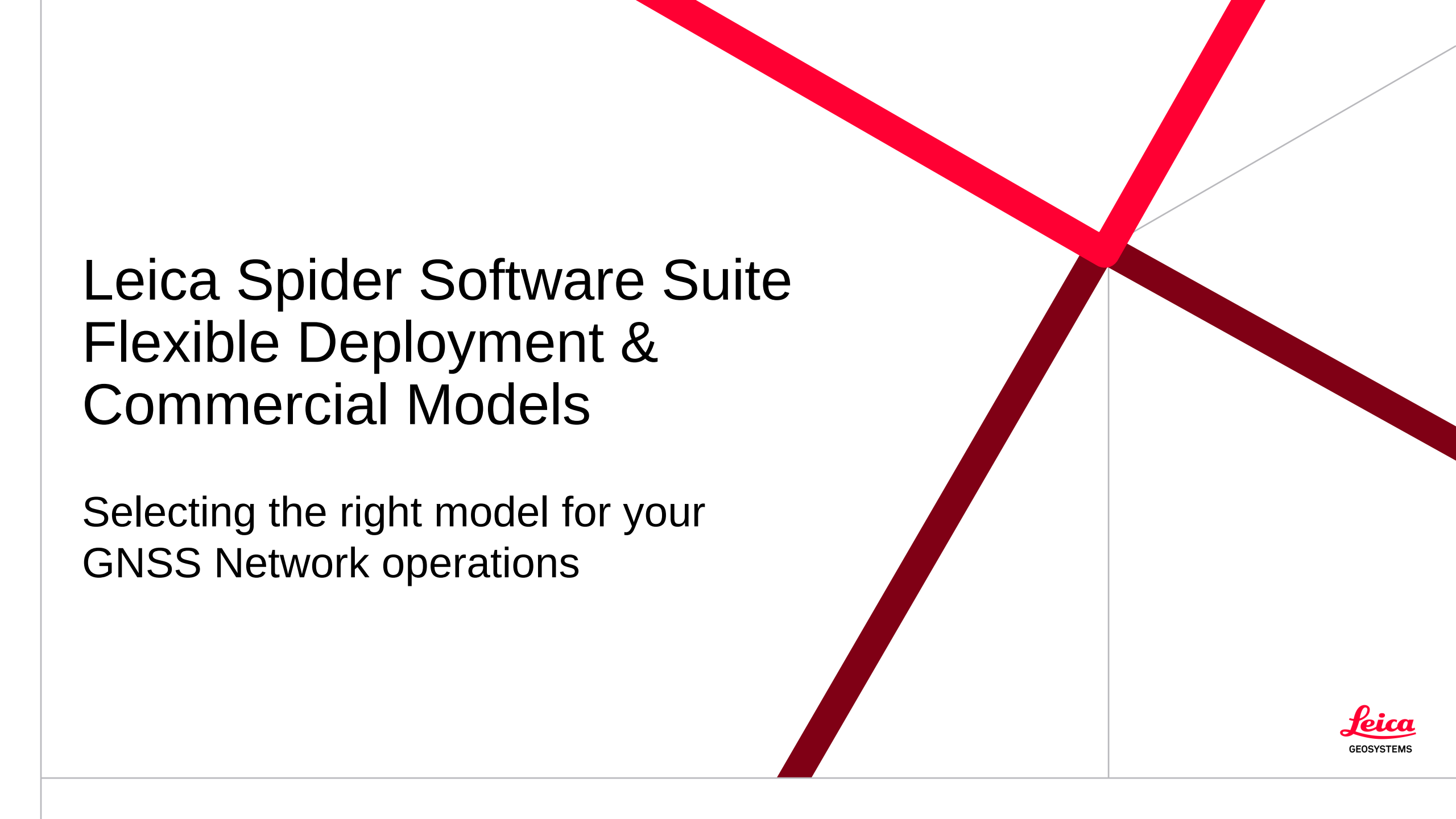
- Specialists needed to operate and tune the network software
- Reference-station management and network processing
- Troubleshooting RTK, data formats and quality issues
- Knowledge at risk when key staff move on

Cost & Budget Pressure

- High upfront CAPEX for hardware and licences
- Ongoing staffing, hosting and maintenance costs
- Hard-to-predict upgrade and scaling expenses
- Budget tied to infrastructure, not your core mandate

Customer Support

- Supporting correction-service subscribers directly
- Meeting uptime and service-level expectations
- 24/7 availability for real-time RTK users
- First-line helpdesk and onboarding for users



Leica Spider Software Suite Flexible Deployment & Commercial Models

Selecting the right model for your
GNSS Network operations

Option 1: Spider on Premises (SoP)

Definition

Perpetual license purchase

(CAPEX model)

Installed on customer infrastructure

Software runs on your own servers and IT environment

Operated and maintained by your team

Your IT staff manages all operations, updates, and maintenance

Key Characteristics

- Full software ownership
- Customer handles hosting and IT
- Optional Customer Care Package (CCP) for maintenance and support
- High upfront investment
- High GNSS and IT expertise required

Best For

- Organisations with strong in-house IT capabilities
- Those who need full control over software and infrastructure
- Long-term ownership preference
- Budget structure favours CAPEX

Option 2: Spider Subscription on Premises (SSoP)

Definition

Annual subscription model
(OPEX model)

Installed on your infrastructure

Software runs on your servers, but licensing is subscription-based

Maintenance and support included

CCP and software updates are part of the subscription

Key Characteristics

- Flexible licensing (scale yearly)
- Always up-to-date software
- No need to manage CCP separately
- Predictable yearly cost
- Medium upfront investment
- Same commercial model as SoP

Best For

- Operators wanting flexible licensing without long-term commitment
- No risk of running outdated software
- Easier budgeting with OPEX model
- Still need in-house IT and GNSS expertise

Option 3: Spider as a Service (SaaS)

What We Deliver

Hosted in EU

Redundant cloud environment ensuring maximum availability and data sovereignty

24/7 Monitoring

Specialised monitoring suite, the same tools used for HxGN SmartNet operations

Full Infrastructure Management

We provide IT/Cloud infrastructure and manage Spider software end-to-end

Committed SLAs

Guaranteed service levels with proactive issue resolution

Our Expertise

20+ Years

operating GNSS networks worldwide

5,500+ Stations

managed across global reference networks

Tens of Thousands

of users served reliably every day

Powering HxGN SmartNet

The same team and technology behind the world's leading GNSS correction service

We take care of the complexity so you can focus on what matters most for you

Why Choose SaaS?



Reduced Effort for You

We handle all IT infrastructure, software updates, and GNSS expertise. Your team is free to focus on your geodesy mandate, research and serving your users.



Committed SLAs

Guaranteed uptime with a fully redundant EU cloud infrastructure. 24/7 expert monitoring means rapid detection and resolution of any issues.



No GNSS Software Expertise Needed

Our specialists manage Spider software with 20+ years of experience. Benefit from the same team that powers HxGN SmartNet globally.



Lower Total Cost of Ownership

No upfront CAPEX investment. Predictable OPEX subscription that scales with your network. Eliminate server hardware costs entirely.

Choose Your Deployment Model

On Premises (SoP)

CAPEX
Perpetual license
Hosting
Customer
Operation
Customer
IT Expertise
High
GNSS Expertise
High
SLA
Limited

Subscription (SSoP)

OPEX
Annual subscription
Hosting
Customer
Operation
Customer
IT Expertise
High
GNSS Expertise
High
SLA
Limited

SaaS

OPEX
Low-cost subscription
Hosting
Leica (EU Cloud)
Operation
Leica
IT Expertise
Not needed
GNSS Expertise
Not needed
SLA
Full SLA



HEXAGON

Leica
GEOSYSTEMS