

Connected to the world

Nexus Jobsite Documentation Suite



Live, reliable and accessible

All project data in one place, with
Nexus Jobsite Documentation Suite.

Modular & Brand Agnostic

Whether you're running soil rollers, asphalt rollers, pavers, or feeders — Nexus is ready. Its modular, manufacturer-independent hardware lets you use the same Nexus Connectivity Kit across your entire fleet. Simply add the machine-specific Prep Kit, and you're good to go. This flexibility makes Nexus the perfect solution for mixed fleets or expanding equipment pools — reducing both complexity and costs.

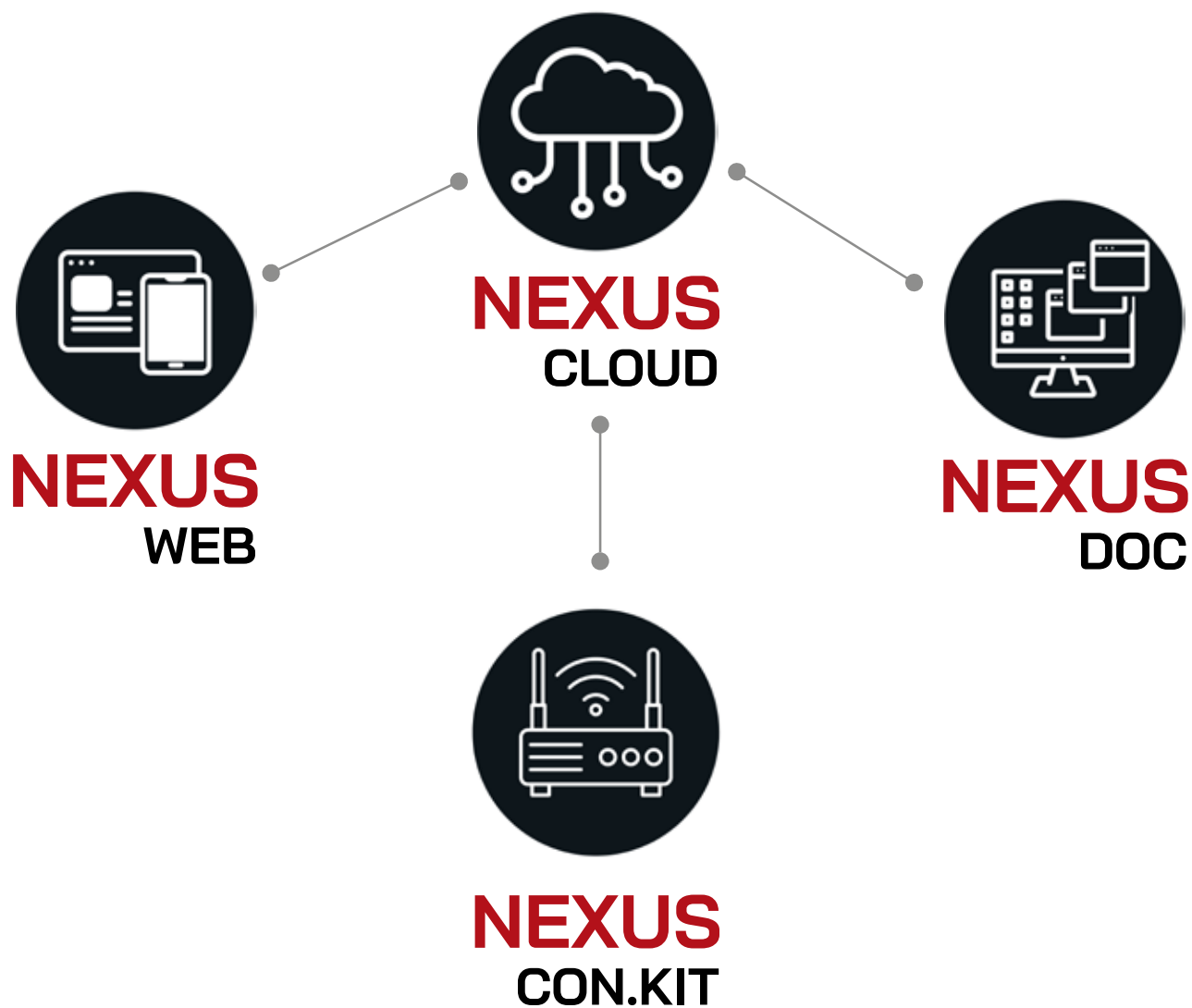
Minimal User Interaction

Let your operators concentrate on the task — not the technology. Nexus is engineered for simplicity and automation: turn the ignition key, and the system powers up, connects, and starts recording. No buttons. No routines to memorize. It automatically detects the machine type and applies the correct configuration — minimizing errors, cutting down training time, and improving job site reliability.

Quick to install. Easy to use.

Thanks to rugged quick mounts, plug-and-play connectors, and magnetic antennas, daily setup takes just minutes. Built tough for demanding site conditions, the hardware is complemented by intuitive software via cloud-connected web and desktop apps. From setup to real-time tracking and post-job evaluation — Nexus gets your team operational and running fast.





From compaction values and material temperatures to machine activity, all data is continuously collected from connected machines and streamed to the Nexus Cloud.

No interruptions, no data gaps — even in low-reception areas, data is stored locally and automatically synced once the connection is restored.



Seamless data availability.

Nexus offers **software tools** to support your projects — each one designed to meet specific needs.



Nexus Cloud

The Central Hub of the Nexus Ecosystem Nexus Cloud is the secure, real-time platform that brings all machine and job site data together in one place. It keeps everyone — from operators and site managers to office teams — aligned with consistent, up-to-date information, accessible from anywhere. With cloud-based project storage, your data is always available when and where you need it.

Nexus Web App

The Nexus Web App is built for flexibility — whether you're in the field or on the move. Its streamlined interface makes it easy to set up jobs, assign machines, define working layers, and monitor real-time site performance. View all equipment live on a map, create Points of Interest (POIs) on the fly, and centrally manage machine targets like pass counts or compaction goals. It's the ideal tool for fast-paced, real-time collaboration on active job sites.

Nexus Doc

Nexus Doc delivers a full-featured desktop experience for detailed planning and deep project analysis. Import CAD plans, set project parameters, configure machine behavior, and dive into job data using advanced, customizable filters. Easily generate tailored reports in .pdf, .xlsx, or .json formats to share with stakeholders or clients — ensuring full transparency, regulatory compliance, and traceable documentation throughout the entire project lifecycle.



Simplicity is the key

Make your machines smart with
Nexus Connectivity Kit, Prep Kits
and **Add-on Sensor Systems**



PREP KITS

Each machine — soil roller, asphalt roller, paver, or feeder — can be easily upgraded with a Prep Kit. Kits include harnesses, link modules, display connectors, and pre-installed mounts.

Machine-specific features:

- Asphalt rollers - temp & compaction sensors
- Pavers - screed width & thermal mapping readiness

For Dynapac machines with Open Interface:

Simply plug in the link module — no extra hardware needed. Seamless sensor integration, no guesswork.

ADD-ON SENSORS

Expand your system as your needs evolve. Nexus offers optional

Add-ons like:

- Compaction Sensors
- Temperature Spot Sensors
- Material Flow Sensors
- Truck Recognition Sensors
- Thermal Mapping Kit
- Feeder Bluetooth Links

CONNECTIVITY KIT

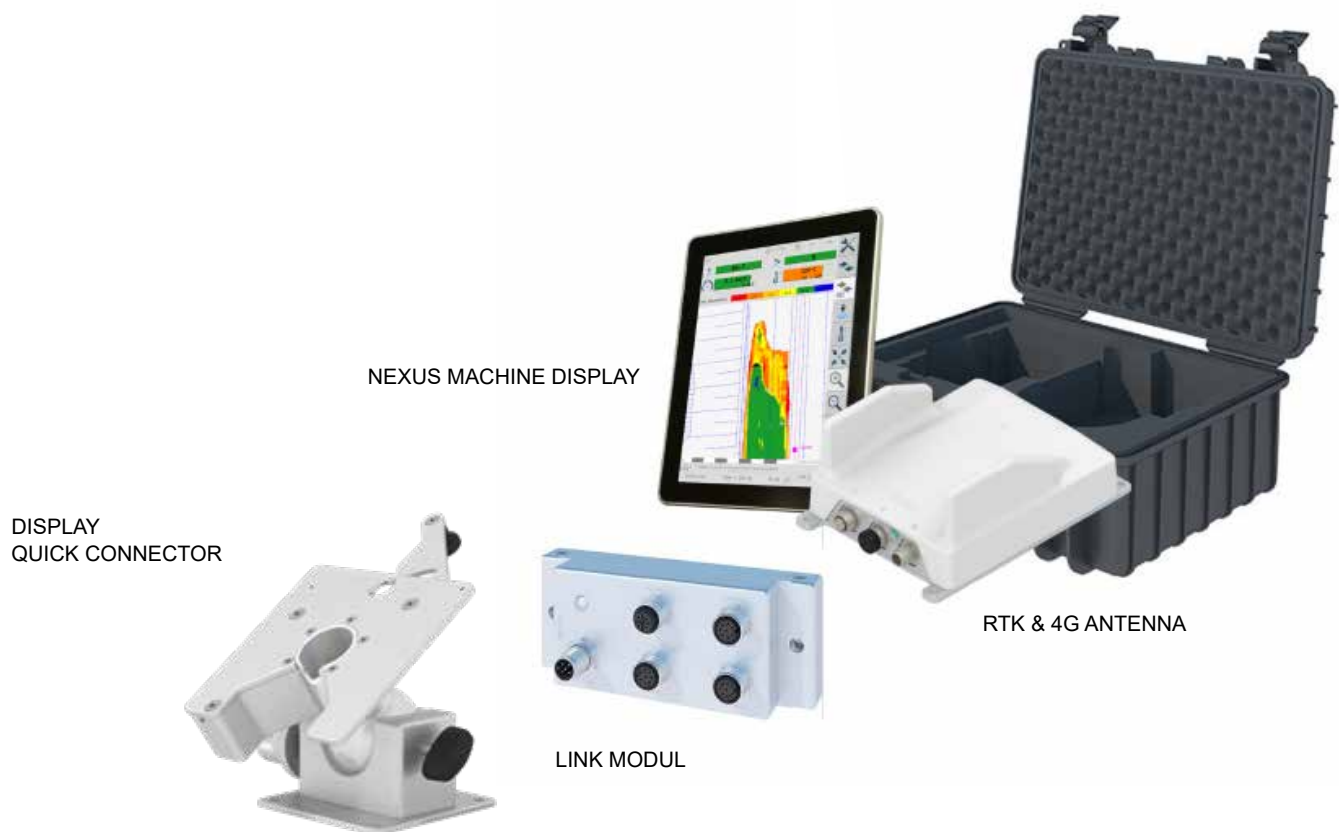
Your all-in-one gateway to a connected, intelligent job site. Housed in a rugged case, it enables real-time data transfer for any supported machine.

Key Benefits:

- One kit for pavers, rollers & feeders
- Real-time sync via 4G RTK antenna
- Auto-start with ignition – no setup
- Quick-mount display (plug & play)
- Europe-wide SIM included

3RD PARTY BRANDS

You don't need brand-new equipment to go digital. Nexus supports older machines and third-party brands through special retrofit kits that include sensors, adapters, and smart mounting solutions. This extends the life of your existing fleet and enables seamless data capture across mixed machine environments — a critical feature for rental fleets or contractors working with varying OEMs.



NEXUS MACHINE DISPLAY

RTK & 4G ANTENNA

LINK MODUL

DISPLAY
QUICK CONNECTOR



A wide range of data sets

— like truck detection, asphalt temperature, compaction frequency, jump detection, and both dynamic and static passes — enables comprehensive planning and performance analysis.

Let's get started

Jobsite Application Szenarios

Soil Roller

With Nexus soil rollers deliver smart, data-driven compaction. The system records static and dynamic passes, calculates accurate EVT values, and detects jumping or vibration inconsistencies. Operators get instant feedback, while supervisors monitor live performance remotely.



Feeder

Feeders connect via Bluetooth to share live data with pavers. Truck sensors log docking, unloading, and departure, while flow sensors monitor asphalt temperature. This improves logistics and ensures smoother, more consistent paving.



Paver

Nexus brings thermal mapping, screed width tracking, and truck handover monitoring into one system to enhance paving performance. Optional weather stations add ambient data to optimize timing. All inputs are linked via CAN-bus for precise control and analysis.



Asphalt Roller

Nexus-equipped rollers capture full compaction, pass counts, and temperature data. Dual sensors track drum performance; spot sensors log surface heat. The result: smarter rolling patterns, better material handling, and higher paving quality.





Nexus Modular System

Nexus Connectivity Kit

- Heavy Duty Transport Case
 - RTK & 4G Antenna
 - Nexus Machine Display
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Nexus Prep Kits

- Link Module
 - Display Quick Connector
 - Machine Specific Harnesses & Sensors (3rd Party Kits)
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Add-On Sensor Systems

- Thermal Mapping Kit (Weather Station, Surface Temperature Scanner)
 - Compaction Sensors
 - Temperature Sensors
 - Truck Recognition Sensor
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Data Sets

- for Soil Rollers
 - for Feeders
 - for Pavers
 - for Asphalt Rollers
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Dynapac is a leading supplier of high-tech soil and asphalt rollers, light equipment, and pavers committed to strengthening customer performance by being a partner on the road ahead. Dynapac is represented worldwide via its regional sales- and service offices and cooperates with an extensive and professional distribution network. Headquartered in Wardenburg, Germany, Dynapac has production facilities in Europe, South America and Asia. Dynapac is part of the FAYAT Group.



