

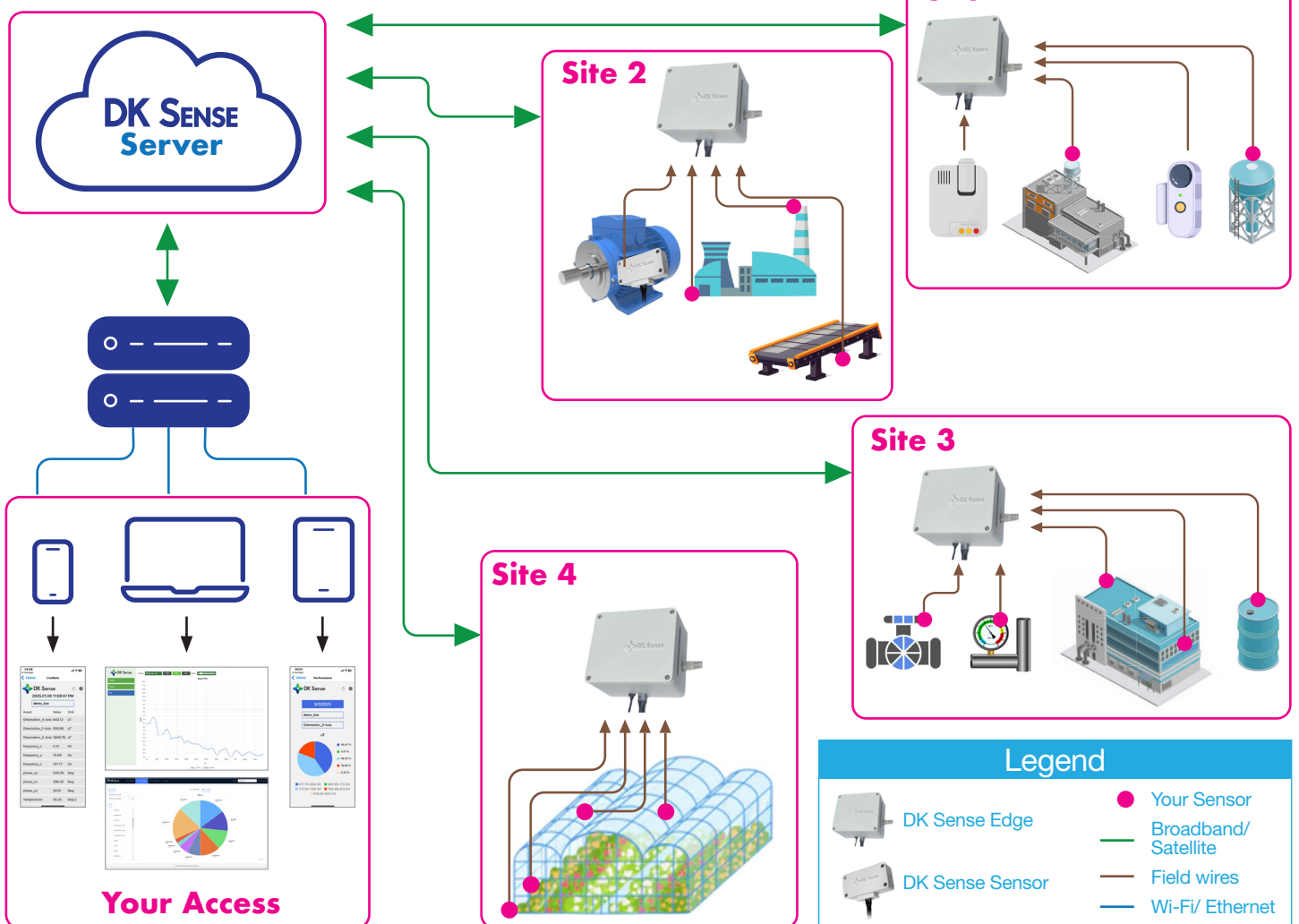


# Automation Solution for Industrial efficiency



DK Sense is a real-time cloud platform complete with IoT-based, plug-and-play DK Sense sensor hardware for effortless industrial automation. This highly reliable system enables remote monitoring, predictive maintenance, and intelligent control across multiple sites, ensuring secure data transmission, optimized operations, and reduced downtime.

## Typical DK Sense application in manufacturing





# Take Control, Cut Costs and Eliminate Operational Blind Spots!

## Transform Your Factory Operations and Avoid Costly Surprises

Every second of downtime, inefficiency, and unknown machine failure is burning through your profits. Stop running blind. DK Sense is the ultimate solution for factory owners, supervisors, and production managers who need real-time visibility, predictive maintenance, and centralized control—at a fraction of the cost.

## Comprehensive, Real-Time Industrial Automation

DK Sense is a real-time cloud-based solution that seamlessly integrates hardware, software, a user-friendly web portal, and a mobile app. It collects, analyses, and records critical operational data while taking corrective actions based on user-defined conditions and AI algorithms.

DK Sense enables seamless communication between geographically distributed systems, exchanging critical data in real time to achieve high levels of automation and intelligent decision-making, driven by user-defined parameters.

## Your Factory Deserves More Than Guesswork - Get DK Sense Now!

- **Eliminate Blind Spots:** Get real-time insights into every machine's performance, so you never have to operate on assumptions again.
- **Prevent Costly Downtime:** With predictive maintenance, DK Sense anticipates failures before they happen, saving you from catastrophic breakdowns.
- **Make Smarter Decisions, Instantly:** Optimize production with live Overall Equipment Efficiency (OEE) tracking and actionable data, right at your fingertips.
- **Control Anytime, Anywhere:** Remote monitoring and alerts via mobile app mean you're always in control, even when off site.
- **Automated Device Control & Alerts:** Activate and control devices, trigger alarms, record events, and send notifications to facilitate predictive maintenance.
- **Secure & Reliable:** TLS 1.3 Negotiated Encryption ensures secure data transmission, safeguarding both infrastructure and personnel.
- **No More Stress, No More Anxiety:** Say goodbye to unexpected shut-downs, frustration, and costly inefficiencies. Your factory will run like a well-oiled machine—literally!

## Built for the Toughest Environments—Including Yours

- **Rugged & Reliable:** Engineered for harsh industrial conditions, including quarry and mining sites.
- **Quick Setup, Instant Results:** Portable, easy to deploy, and operational within minutes.
- **Seamless Machine Integration:** Supports both analog and digital inputs and outputs, interfacing effortlessly with existing systems.
- **AI-Driven Smart Automation:** Automate decision-making, optimize processes, and let AI handle the hard work while you focus on business growth.
- **Cloud-Based, Direct Connectivity, Always Accessible:** All quarry and factory sites, including the main site, connect directly to the cloud. None of them are connected to each other, ensuring independent, seamless data transmission and centralized monitoring.
- **24/7 Remote Support:** Our team is available round the clock to ensure you never face operational headaches alone.



## Advanced Sensor Capabilities:

DK Sense is equipped with state-of-the-art sensor boards to monitor a wide range of parameters, including:

- Temperature, humidity, and light intensity.
- pH, conductivity, speed, and acceleration.
- Sound, vibration, pollution, and radiation.
- Voltage, current, and digital inputs.

## Mobile App Features:

- **Instant Access to Critical Data:** All stakeholders can monitor key parameters anytime, anywhere.
- **Real-Time Trend Analysis:** View detailed trend graphs to analyse performance over time.
- **Operator Communication:** Operators can send messages via the mobile app, instantly visible to all stakeholders.
- **Remote Control Capability:** Turn devices ON/OFF remotely if required, adding convenience and operational efficiency.

## Use Cases:

1. **Inter-System Communication:** Send and receive control signals and values between installations by simply entering the source and destination devices. Actions are defined by user-configurable conditions entered through an intuitive web portal.
2. **Motor Health Monitoring:** Continuously check the health of a motor by monitoring its body temperature, vibration, speed, loading, and audio harmonics. Compare with user definable values to take action within seconds.
3. **Conveyor Flow Measurement:** Measure product flow rate over a conveyor, update totals, and store data for analysis, including start/stop times, flow rate trends, and idle intervals.
4. **Silo Level Monitoring:** Monitor product levels in silos to optimize storage and prevent shortages or overflows.
5. **Greenhouse Environmental Monitoring:** Measure temperature, ambient light, humidity, conductivity, and pH levels for precision farming and optimized crop growth.
6. **Device & System Monitoring:** Monitor proximity switches, limit switches, motion detectors, power consumption, and control heating and cooling systems.
7. **Universal Monitoring:** Continuously monitor any device with an input or output connected to DK Sense interface boards.
8. **Remote Access & Control:** Access all your sites through the mobile app and manually switch ON/OFF devices remotely from anywhere.
9. **24/7 Critical Data Access:** Get all your critical operational data from all installations on your mobile app, available anytime, anywhere.





## Performance, Security, and Automation in One Solution

- **Secure Data Transmission:** Ensures real-time encrypted data exchange between sites and cloud.
- **Historical Data Analysis:** A robust web portal for trend monitoring and data-driven decision-making.
- **Overall Plant Performance Calculation:** Drive quality improvements and cost savings through automated, intelligent actions.

## Affordable, Predictable, No Surprises!

- One-Time Installation Cost—Simple, upfront, and transparent.
- Low Monthly Subscription—Ensuring continuous optimization, updates, and peace of mind.
- No Hidden Costs. No Long-Term Commitment. Just Instant Efficiency Gains!

## Real Results, Real Savings!

- Factories using DK Sense have reduced downtime by up to 40%, saving thousands in maintenance and lost production!
- Unplanned downtime costs manufacturers \$50 billion annually—how much is it costing YOU?
- Join leading manufacturers already leveraging DK Sense to slash costs and stay ahead of the competition!

### Who Needs DK Sense?

If you're a factory owner, supervisor, or production manager, and you're tired of costly breakdowns, unexpected failures, and inefficient operations, you need DK Sense—**NOW!**

**Act Today**—Before Another Costly Breakdown Hits!

Every minute without DK Sense could be costing you thousands. Don't wait until another failure disrupts your production and damages your bottom line. **Take control of your operations today!**

**Book Your Free Consultation Today** – Don't Let Another Costly Breakdown Drain Your Profits!



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