InfluxDB for Energy and Utilities

Energy, gas, and utility organizations use InfluxDB to gain overall equipment effectiveness (OEE), reduce downtime and improve predictive maintenance. With InfluxDB, you can collect sensor data, provide real-time insights into industrial equipment **(e.g. meters, turbines, and refineries)**, save data in a centralized location, deliver statistical analysis, and increase profitability.

Use InfluxDB to:

Gain real-time insights
Get access to the data when you need it — as it hits the database — and stay ahead of any issues or emergencies.

Ingest at scale
Ingest millions of data points from thousands of sensors with nanosecond precision.

Reduce downtime
Use high-resolution machine data and machine learning models to dictate maintenance schedules and predict equipment failures.

Improve OEE
Monitor performance speed, availability, and output quality of devices and machinery to optimize OEE.

Reduce costs
Spend less money on IT infrastructure and focus your budget where you need it most.

Custom control
Build solutions that meet your needs while working in familiar languages and integrating with cutting-edge tools.

InfluxDB benefits for energy and utilities

Interoperability: InfluxDB integrates with components in the IT or OT tech stack with 300+ plugins.

Reduced total cost of ownership: InfluxDB uses less space, enabling long-term storage cost savings.

Horizontal scalability: InfluxDB's single API can connect to distributed facilities and automatically send edge data.
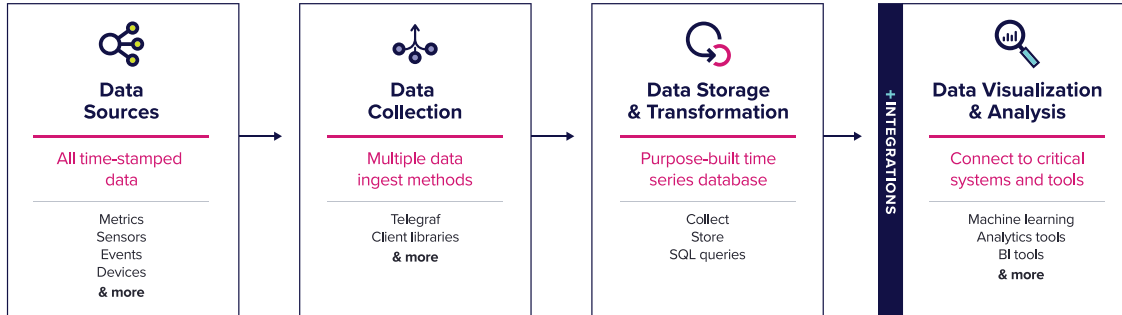
Unbounded cardinality: InfluxDB's columnar database engine has no ingestion or storage limits — ingest billions of data points in real-time.

What is InfluxDB?

InfluxDB is the fastest database purpose-built for handling time series data for IoT, monitoring, and real-time analytics. Developers can ingest, query, store, and analyze all types of time series data — metrics, events, traces — in a single platform. Run InfluxDB at scale in any environment in the cloud, on-premises, or at the edge. InfluxDB consists of the core database and storage engine, an API, and an ecosystem of tools and integrations to manage time-stamped data.

InfluxDB Platform

influxdb™ 3.0

Data Sources

All time-stamped data

Metrics
Sensors
Events
Devices
& more

Data Collection

Multiple data ingest methods

Telegraf
Client libraries
& more

Data Storage & Transformation

Purpose-built time series database

Collect
Store
SQL queries

+INTEGRATIONS

Data Visualization & Analysis

Connect to critical systems and tools

Machine learning
Analytics tools
BI tools
& more

**Try it today.
Run a proof of concept**