



WideSky

WideSky™ is a specialised, real-time data platform designed to meet the unique needs of infrastructure and industry.

Scalable, intelligent and easily tailored to your needs, WideSky™ is optimised to manage large device populations and even bigger volumes of time series data, with super high-speed messaging throughout the cloud.

WideSky™ is designed with users in mind – putting you in control, without compromising on performance or price.

Ideally suited to:

- Intelligent buildings
- Energy management
- Renewable energy monitoring
- Smart lighting
- Smart metering

How it works:

Real time message routing

WideSky API
REST, Sockets, AMQP, MQTT



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Analytics

Aggregation, rules engine, machine learning

Historian

Time series data store

Asset Model

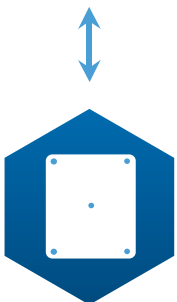
Semantic model describing assets, devices and sensors

Operations

System monitoring and account management

Custom Tools

Bespoke functions, third party software



Connected Devices

Energy monitoring, smart lighting, utility network assets, mobile equipment, etc.



Customer Backend Services

Maintenance & asset management, job scheduling, CRM, etc.



Applications

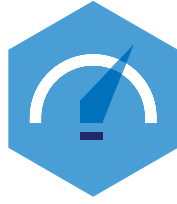
Industry standard tools, freedom and flexibility.
Android | Apple | Windows



Connect

Connect any type of sensor device or system using one of our pre-integrated data acquisition devices or a number of open protocols. You can even create your own interface using one of our APIs.

- ▶ Energy meters
- ▶ Street lights
- ▶ Data loggers
- ▶ Building management systems
- ▶ Plant control systems
- ▶ More – just ask



Measure

Scale, speed and accuracy are the hallmarks of WideSky's™ time-series data store.

- ▶ Holds billions of data points
- ▶ Accepts millions of data points per second
- ▶ Each data point is time-stamped to microsecond accuracy
- ▶ Capture and stream your sensor data in real-time, or upload it in batches

If you're an application developer, talk to us about hosting your apps on WideSky™.



Understand

We understand that the context surrounding data is just as important as the data itself, which is why WideSky™ is also designed to capture the relationships between your sensor devices, within the context of your facility.

This approach allows automated analytics tools to understand the structure of your plant and equipment, and apply appropriate analytics, such as reconciliation figures or performance coefficients. Create calculated (virtual) data points to define your performance metrics once, and see them applied automatically and consistently across your business.

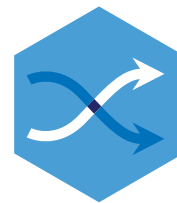
You can use one of our customisable templates for buildings (e.g. Project Haystack), process plants (e.g. ISA95), power distribution networks (e.g. CIM/SCL as used by IEC61850); or create your own as required.



Act

Using WideSky's semantic model to describe your data makes it very easy to implement software tools that analyse it. The relationship between meters and sub-meters, for example, makes it much simpler to reconcile energy consumption and alert on discrepancies. And our open APIs allow for virtually limitless flexibility in implementing tools that sit on top of the data platform, tailored to suit your particular needs.

We also have a number of pre-existing tools for reporting, alerting and anomaly detection that can be integrated into WideSky™ with minimal effort. In time, these will be built directly into the platform, but until then, talk to us about how we can create a custom solution to address your requirements.



Extend

WideSky™ is designed with users in mind, and can be easily extended to meet the specific needs of your business. We provide dash-boarding and many other tools as standard, or you can build your own bespoke applications using our API. These applications remain private and available to you alone.

Get in touch

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