

Revolutionizing IoT & AI for Industry 4.0

Request for a free demo today. Contact sales@knowledgeLens.com



SMART ENERGY MANAGEMENT



FAILURE PREDICTION IN MANUFACTURING

SMART CITY SOLUTIONS

SMART DEVICE CONNECTIVITY



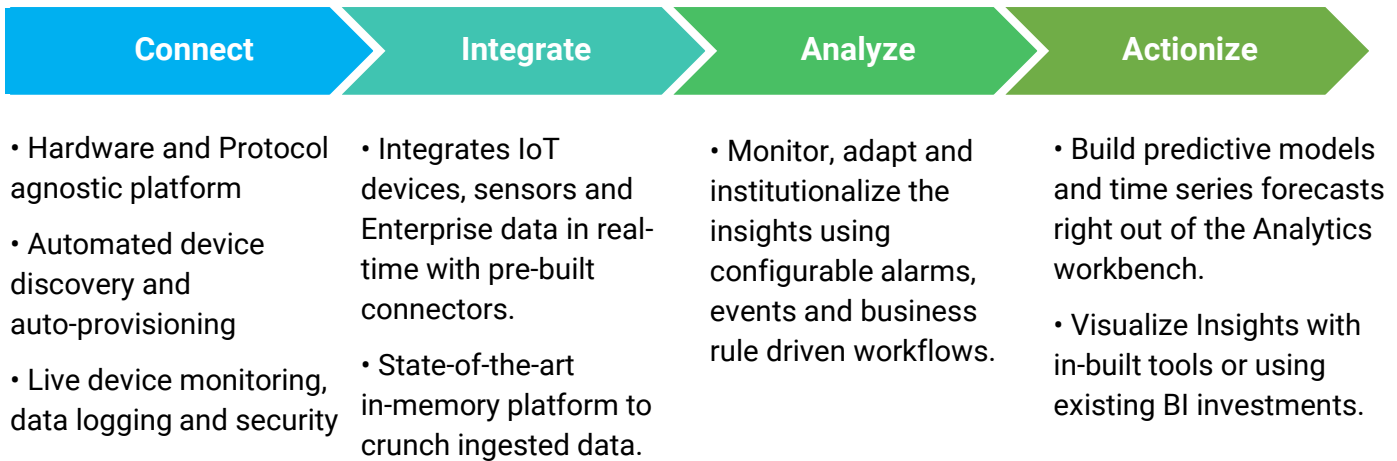
SMART PARKING

FACIAL RECOGNITION

SUPPLY CHAIN LOGISTICS

EDGE COMPUTING WITH GATEWAY

iLens is the Industrial IoT and AI Platform for Industry 4.0 facilitating smart integration with various devices and sensors to perform Edge computing, device management, real-time streaming and decision making using Predictive analytics. iLens uses machine learning and artificial intelligence to co-relate events arriving from various sources to find patterns in the data and provide intelligent insights.



FEATURES



Plug and Play protocol integration with any smart devices



Remote controls and configuration of devices



Edge computing with Gateway



Sensor network is secure from the public network using Data diode principle



200+ sophisticated reusable assets including Machine Learning and Deep Learning algorithms



Detect anomalies, predict upcoming events using machine learning algorithms



Real-time event stream processing triggering real-time actions



Real-time alerts and alarms with SMS and email integration

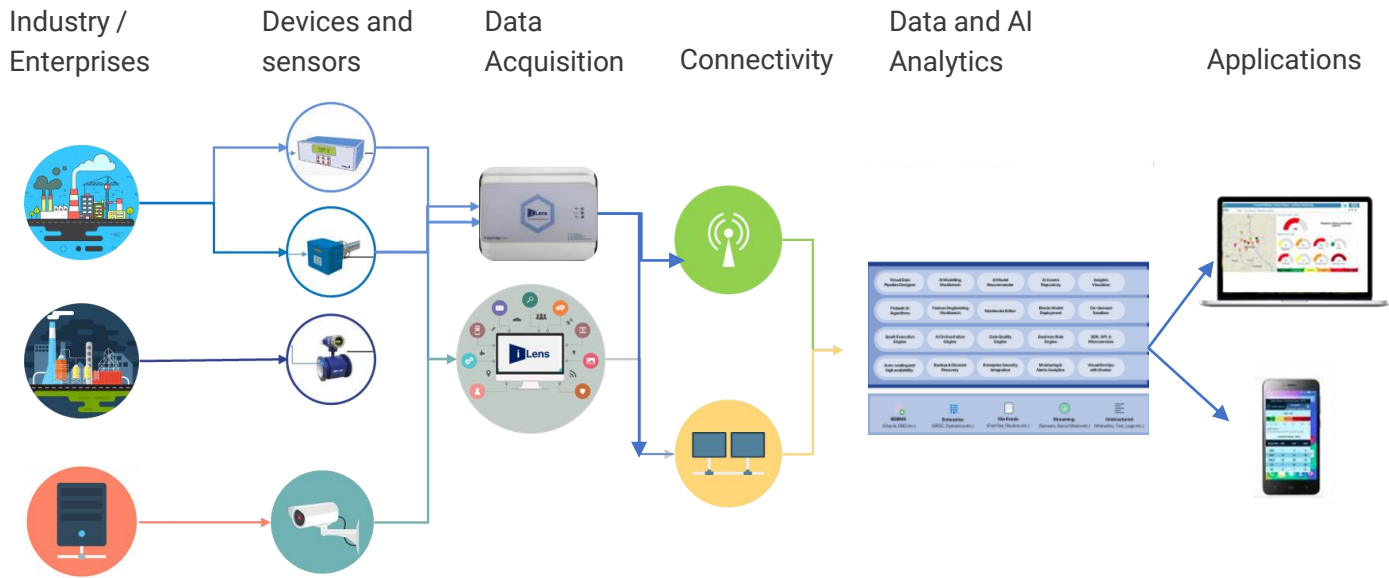


Supports any runtimes such as TensorFlow, SparkML, H2O, AWS, Azure and more...



Highly scalable platform capable of supporting millions of devices

CONCEPTUAL DEPLOYMENT ARCHITECTURE OF iLens



SOLUTION OFFERINGS

Smart Industrial Safety and Security Solution

Features

- Edge Computing, video analytics, real-time stream processing and predictive analytics

Benefits

- Real-time detection of gas leaks and fire incidents at industrial sites.

Web SCADA and Dashboard Solution

Features

- Online Centralized SCADA solution to monitor & analyze real-time Production systems.

Benefits

- Identify operational anomalies and prevent incidents by alerting.

Smart Energy Management Solution

Features

- Interface with smart meters, electrical devices, and gateways. Automatic device management and real-time data processing

Benefits

- Simplify plant monitoring with dashboards, reports, and alert notifications; achieve forecasting, energy loss prevention and Energy Efficiency Measures.

AI Driven Image / Video Analytics Solution

Features

- Automate recognition of patterns, objects, monitor zones for intrusion using ML and DL.

Benefits

- Video Surveillance to detect intrusions and other suspicious activity.
- Utilize it for attendance management system, or for security purposes.

Predictive Maintenance Solution

Features

- Powered by machine learning and deep learning algorithms to detect anomalies, machine failures and predict upcoming events

Benefits





- Schedule industries' maintenance proactively at the plant, using performance data of machines and units being used at the plant.

About Knowledge Lens

Knowledge Lens is a US-based product technology company that builds domain-specific Data Lenses that enable the discovery of actionable insights from Enterprise Data Assets. Our team of tech experts work on cutting edge technologies such as Big data, AI, IoT, Blockchain and Cloud to add differentiated value to our customers. Our mission is to turn enterprises' dark data into meaningful business insights.

We have successfully transformed Fortune 500 companies into Smart Enterprises by implementing Next Generation Enterprise Data Lakes (Serverless Architecture), AI powered Intelligent Apps and Industry 4.0 Solutions- both on premise and on the cloud.

Our Product Gallery

-  **AiLens** Accelerating AI for Enterprise
-  **iLens** Revolutionizing IoT & AI for Industry 4.0
-  **MLens** High Speed Big Data Backup & Disaster Recovery Suite for Enterprise
-  **GLens** Real-time Environment Data Acquisition Monitoring & Analytics Suite

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Knowledge Lens
Accelerating Actionable Insights

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