Revolutionizing IoT & AI for Industry 4.0

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

### Connect
- Hardware and Protocol agnostic platform
- Automated device discovery and auto-provisioning
- Live device monitoring, data logging and security

### Integrate
- Integrates IoT devices, sensors and Enterprise data in real-time with pre-built connectors.
- State-of-the-art in-memory platform to crunch ingested data.

### Analyze
- Monitor, adapt and institutionalize the insights using configurable alarms, events and business rule driven workflows.

### Actionize
- Build predictive models and time series forecasts right out of the Analytics workbench.
- Visualize Insights with in-built tools or using existing BI investments.

### FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Plug and Play</td>
<td>Protocol integration with any smart devices</td>
</tr>
<tr>
<td>Edge computing</td>
<td>with Gateway</td>
</tr>
<tr>
<td>200+assets</td>
<td>sophisticated reusable assets including Machine Learning and Deep Learning algorithms</td>
</tr>
<tr>
<td>Real-time event stream</td>
<td>processing triggering real-time actions</td>
</tr>
<tr>
<td>Supports runtimes</td>
<td>any runtimes such as TensorFlow, SparkML, H2O, AWS, Azure and more...</td>
</tr>
<tr>
<td>Remote controls</td>
<td>and configuration of devices</td>
</tr>
<tr>
<td>Sensor network</td>
<td>is secure from the public network using Data diode principle</td>
</tr>
<tr>
<td>Detect anomalies</td>
<td>upcoming events using machine learning algorithms</td>
</tr>
<tr>
<td>Real-time alerts and alarms</td>
<td>with SMS and email integration</td>
</tr>
<tr>
<td>Highly scalable</td>
<td>platform capable of supporting millions of devices</td>
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</table>
CONCEPTUAL DEPLOYMENT ARCHITECTURE OF iLens

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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.

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.

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.

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

<table>
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<tr>
<th>Lens</th>
<th>Description</th>
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<tr>
<td>AiLens</td>
<td>Accelerating AI for Enterprise</td>
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<tr>
<td>iLens</td>
<td>Revolutionizing IoT &amp; AI for Industry 4.0</td>
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<tr>
<td>MLens</td>
<td>High Speed Big Data Backup &amp; Disaster Recovery Suite for Enterprise</td>
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<tr>
<td>Glens</td>
<td>Real-time Environment Data Acquisition Monitoring &amp; Analytics Suite</td>
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Contact Us

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<thead>
<tr>
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