Ectron
CORPORATION®

Smart EYE™
Platform as a Service

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When should I schedule maintenance for my machines?

How efficient are my employees? Can I give them more flexibility and still manage costs?

How do the environmental factors in the facility affect my product quality?

Can I produce the same quality and volume of product for less cost?

Can I use power/energy more efficiently without reducing productivity, output, and growth?

Is my product quality consistent?

I would like to run what if scenarios easily without all the paperwork, time and effort to see what happens if I tweak something at my company or operations?

This requires a lot of data points, time and effort, plus things keep changing all the time!!

To answer these questions I'd need to monitor every inch of my factory, every second of the day , but I don't have the staff and I am just one person.

Even if I had the data, I need it interpreted and compared against KPIs and industry wide best practices.

SmartEYE™ is the answer!

SmartEYE ™ is an IIoT based factory 4.0 Paas (Platform as a Service) that provides a 360 degree view of operations including machines, personnel, processes and energy use. SmartEYE ™ can be deployed for one or more machines, manufacturing lines, cells or the entire plant. In other words, it can be scaled up or down to match client requirements and budget.

With SmartEYE ™, you get data and analytics on the edge, so you can monitor up to several hundred data points in real time, allowing you to make accurate and precise decisions that facilitate OPEX reduction, product improvement and revenue growth. You tell us what problem you are trying to solve, what data you need to solve it and we will create a custom SmartEYE ™ solution. We even have a no upfront fee subscription contract option.

✓ Installed and online in a matter of weeks

✓ No changes to your equipment

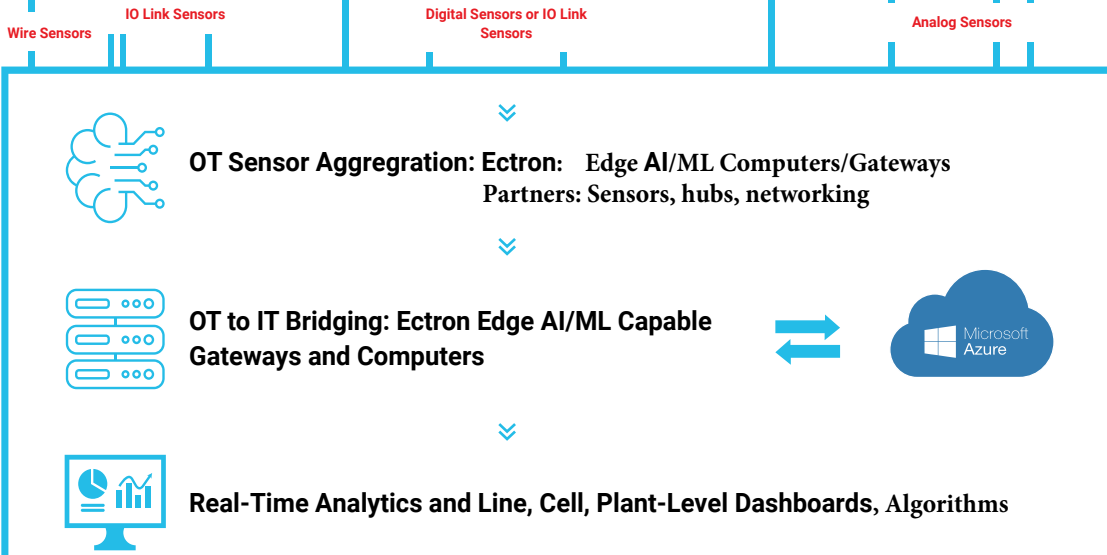✓ Customized to fit any budget

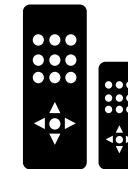✓ No interruptions to production

CLICK HERE FOR VIDEO PRESENTATION

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Wire Sensors

IO Link Sensors

Digital Sensors or IO Link Sensors

Analog Sensors

OT Sensor Aggregration: Ectron: Edge AI/ML Computers/Gateways
Partners: Sensors, hubs, networking

OT to IT Bridging: Ectron Edge AI/ML Capable Gateways and Computers

Microsoft Azure

Real-Time Analytics and Line, Cell, Plant-Level Dashboards, Algorithms

Ectron has over 1,800 sensor options

Ectron's powerful Gateway computers with AI/ML capabilities and custom embedded software aggregates and analyzes the sensor data on the Edge

Microsoft Azure

Long-term data can be stored on the Cloud or on the company's servers

Data, KPIs, industry comparisons and even alerts all available from any computer

WHAT IS REQUIRED TO DEPLOY SMARTEYE

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All You need is SmartEYE ™ and a computer for viewing reports

- No Changes to Your Equipment

- No Changes to Your Processes

- No Inerruption in Production

- No Internal IT Staff Required

- No Upfront Fees (if your deployment qualifies for our 'no upfront fee' subscription services contract)

Installation takes just a few weeks and Ectron provides everything you need including:

- Over 1,800 sensor options

- AI/ML factory floor rugged gateway computers

- Networking and Cloud connectivity

- Access to Microsoft Azure (as an option)

- Custom KPI and Dashboard Development

- Business Intelligence Integration with multi level dashboards

- Deployment and Maintenance

WHY ECTRON

ECTRON CORPORATION

- **Ectron has been delivering quality products and solutions since 1964**
  - RMA rate of field breakdowns <1% over 56 years

- **Ectron is a Microsoft OEM and partner, Intel Partner**

- **Ectron is a certified Azure CSP (Cloud Solutions Provider)**
  - Working with Arrow and Microsoft to launch solution/products
  - Working with CMTC, CESMII for SMM solutions

- **Ectron is partnered with the following companies:**
  - Intel and Kontron (Rugged industrial Processor Cards)
  - Arrow Electronics (Global Support, Distribution and supply chain)
  - Hilscher , Xilinx (ODVA compliant industrial networking)
  - Phoenix Meccano, Takachi (Enclosures that are IP 67, 68)
  - Balluff and Honeywell (Industrial Sensors, networking)

1000+ satisfied customers including repeat, marquee customers

U.S. AIR FORCE

JABIL

NORTHROP GRUMMAN

Pfizer
Hospira

Abbott

BAE SYSTEMS

Honeywell

LOCKHEED MARTIN

NASA

EMERSON

GE