

Our Mission:

Display process data, forms & resources relevant to plant floor equipment instantly on your mobile or wearable device.



What is iQagent Enterprise?

Create Points Of Interest (POIs) for process equipment. Users scan the POIs to display live data, forms and documentation on mobile or wearable devices.

- Scanning a POI will display relevant live data, schematics, manuals, videos, procedures & forms directly on your mobile device.
- Create equipment POIs with iQagent Enterprise, print the POI Code and mount near relevant equipment or process area.
- iQagent users may scan the POI (QR Code) to view relevant data, check schematics, or complete a form on their mobile device.
- iQagent also includes a powerful **Forms Creator!** Create PM & inspection & data entry forms compatible with any browser.

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iQagent Enterprise

With iQagent Enterprise, you can:

- Create & organize POIs for your plant floor equipment or process areas.
- Authorized devices scan POIs for instant access to process data and resources.
- Print POI (QR Codes) and place on or near equipment or process area it represents.
- Create forms & digital checklists and quickly deploy for any device browser.
- Send email & push notifications to staff when production needs attention.

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The screenshot displays the iQagent Enterprise web interface. The browser address bar shows 'localhost/POIs.aspx?site=3'. The navigation menu includes POIs, Devices, Print, Forms, Procedures, and Admin. A search bar for POI numbers and a site selector (iQuest Odessa) are visible. The main content area shows 'iQuest Odessa - Land O Lakes, FL' and a 'Points of Interest' table. A sidebar on the left lists various POI categories, with 'Waro Machine 55' selected. The table lists several POIs for Machine 55, each with a name, location, chart type, view type, and actions.

Name	Location	Chart	View	Actions
55 Production Data	Machine 55	Line	Data	Actions
55 General Machine Info	Machine 55	Line	Data	Actions
55 Unwind Section	Machine 55	Line	Data	Actions
55 Perforator Section	Machine 55	Line	Data	Actions
55 Forming Section	Machine 55	Line	Data	Actions
55 Die Cut Section	Machine 55	Line	Data	Actions

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iQagent Enterprise installs on premises on your VM or Server, behind your firewall. No Cloud connection required!

iQagent Points Of Interest (POIs)

POIs provide a link between plant floor equipment and its process data & resources.

- Live process data via OPCDA, OPCUA or ODBC.
- Link to manuals, schematics & other documents located on SharePoint or other URL based Documentation Systems.
- iQagent can also host documents locally if you don't currently have a management solution.
- Link to forms created with iQagent's Form Creator & auto-populate fields with machine data.
- Configure email and push notifications to alert production staff if something needs attention.
- Authorized devices scan codes for instant access to the POI's data points and electronic assets.

Edit Point of Interest

Name: 55 Unwind Section

Location: Machine 55

Group: Waro Machine 58

Chart Type: Line, Pie, Bar

Default View Mode: None - Not visible on client, Data, Info

55 Unwind Section
00018

Info View

Name	Description	Value	Category	Actions
Keyence Laser Manual	LR-TB5000	http://localhost/Uploads/00008-Keyence%20Laser%...		Actions
Motor Schematics	See page 2	http://localhost/Uploads/00010-Schematics.pdf		Actions
Paper Roll Change	Form	http://localhost/FormCreator/Form.aspx?ID=7&DATA...		Actions

10 Items per Page

Server Type: OPC

Server: opc://127.0.0.1/Kepware.KEPServerEX.V5

Details: Channel1.Device1.Melitta Machines.Machine 55.Unwind.Dancer Position

Name	Unit	Chart	Actions
Dancer Position	opc	From -5 to 5	Actions
Laser Diameter	opc	From 80 to 1200	Actions
Tension	opc	From 0 to 50	Actions

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iQagent Forms Creator

With iQagent Form Creator, you can:

- Quickly create PM, Inspection or data entry forms and link to POIs so users can fill out & submit from any device browser.
- Our simple interface allows anyone who can use a computer to create powerful forms or work instructions for plant floor users.
- Drag and Drop radio buttons, dropdowns, checkboxes, calendars, textboxes and other familiar controls directly onto your form.
- Prepopulated fields, Embedded images, videos, even live process data to simplify form submissions and prevent entry errors.
- Use *display rule* logic to show or hide form fields based on users' previous responses or send emails to staff when form submitted.
- Submitted form data resides in SQL Server in your plant.
- iQagent Forms App allows you to complete forms one step at a time. Save your place & return, even when offline!

The screenshot displays the iQagent Forms Creator interface. The main window shows a form titled "Equipment Inspection" with the following fields and controls:

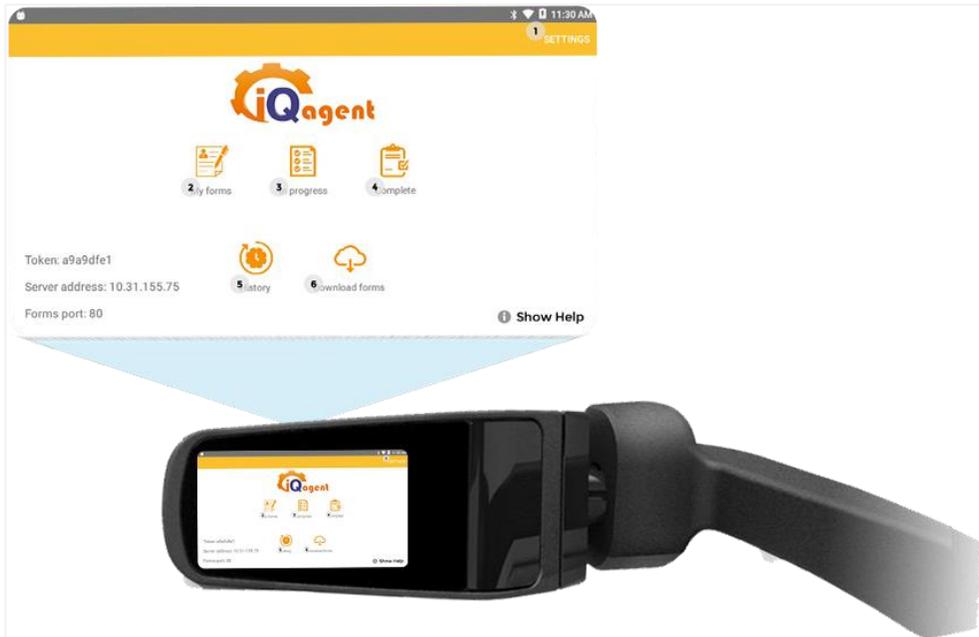
- Image:** A large image placeholder with the iQagent logo.
- Horizontal Rule:** A simple horizontal line.
- Heading:** "Equipment Inspection Form".
- Text Box:** "Inspector Name:" with a "Required" label and a text input field containing "Enter your name here ...".
- Date:** "Date Of Inspection:" with a date and time input field showing "05/02/2020 9:29 AM" and an "Update" button.
- Radio Group:** "Do you want to see a video on how to perform this inspection?" with radio buttons for "Yes" and "No".
- Video:** "Here is how to perform this inspection (2 min video)" with a video player and a "Do you want to see a video on how to perform this inspection? is equal to Yes.." label.

The right sidebar contains a "Controls" panel with a list of available form elements: Heading, Paragraph, Horizontal Rule, Image, Video, Text Box, Text Area, HTML Container, Number, Date, Radio Group, Check Group, Select, Photo Upload, Signature, Drawing, Annotation, Geolocation, Live Point of Interest, Live Data Point, Email Recipient, Composite, Biometric, and Submit Button. A "[View Documentation]" link is also present.

In House. Drag & Drop. No Coding. No Subscriptions. Any Standard Browser. You're Welcome.

The iQagent Forms App

- Companion app to iQagent Enterprise apps (IOS, RealWear)
- Complete iQagent forms offline or in the field
- Step through form elements, one at a time
- Upload completed forms to iQagent Server



iQagent email & Push Notifications for IOS & Android

With iQagent email & push notifications:

- Notify critical plant floor staff when production needs attention.
- Notification rules compare process data with a target value:
• *Greater Than, Less Than, Equal To, Does Not Equal, Change by Value.*
- Notify users by email, mobile push notifications, or both.
- Create notification Groups to notify all required staff at once.
- Send email when a form submission requires maintenance, engineering or management attention.
- iQagent notification rules support OPCUA, OPCDA, or ODBC Data.
- Tapping notification opens iQagent to the appropriate Point Of Interest, giving staff relevant data & resources to fix the problem.

The screenshot shows the 'Edit Notification for Data Point 'Spool Diameter'' configuration window. It includes the following fields and options:

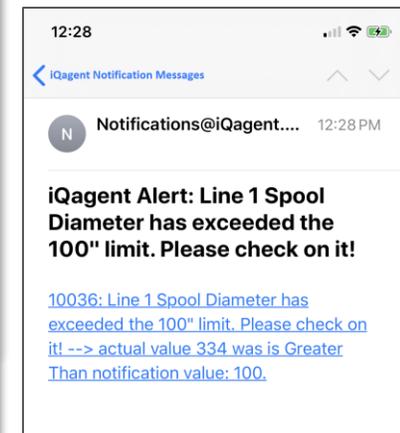
- Notify Users when actual value:** Operator: > Value: 100
- Notify users in Group:** QA Inspectors
- Notification Message:** Line 1 Spool Diameter has exceeded the 100" limit. Please check on it!
- Buttons: Update Notification, Cancel

Below the configuration window, a table of notification rules is visible:

Tag	Operator	Value	Description
Tag2 (OPC)	>	55	Used to test notification
Inspection Fail	=	5	Widget failed acceptar



Mobile push notification



Notification email with link

Notify plant engineers and maintenance staff when production equipment needs their attention!

iQagent apps run natively on these devices:



iPad



RealWear HMT-1



iPhone



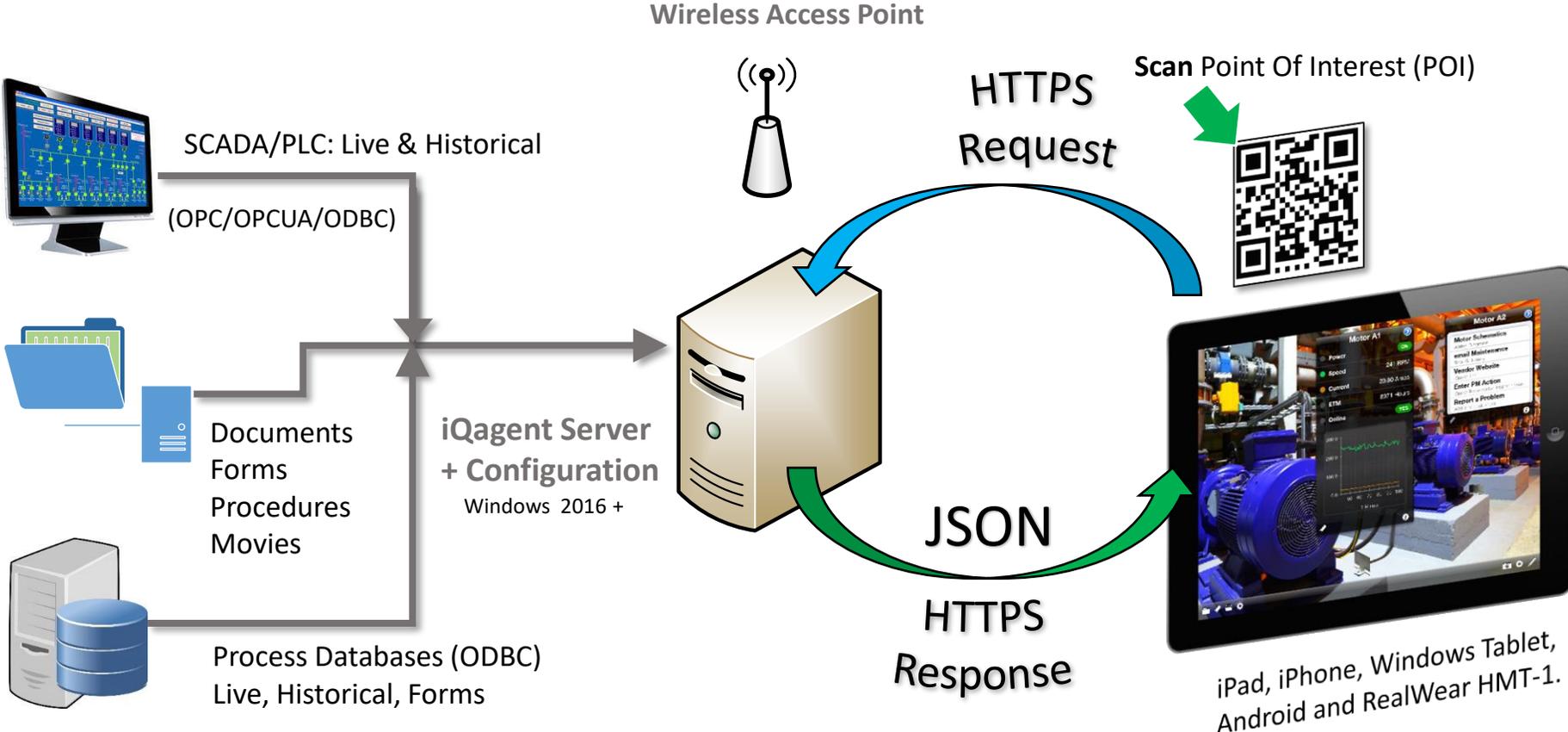
Android



Windows 10

iQagent Architecture

We use standard interfaces to access existing plant data and resources.



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