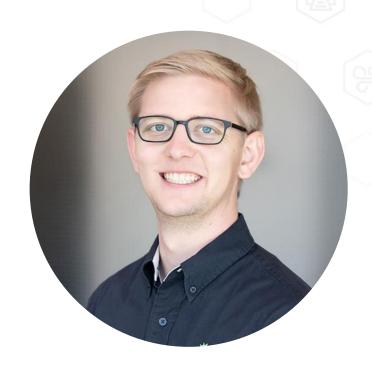


Presenters



Don Pearson
Chief Strategy Officer
Inductive Automation



Kent Melville
Sales Engineering Manager
Inductive Automation





Guest Presenter



Ross Sheffler
Control System Integrator
Vertech





Agenda

- HMIs
- Ignition HMIs
- Ignition Edge Panel & Ignition Onboard
- Integrator Case Studies
- Audience Q&A









A Different Kind of HMI Webinar

- We've done many webinars about designing HMIs with Ignition software.
- Today, we're going to talk about creating HMI machine solutions with Ignition software and your choice of hardware.



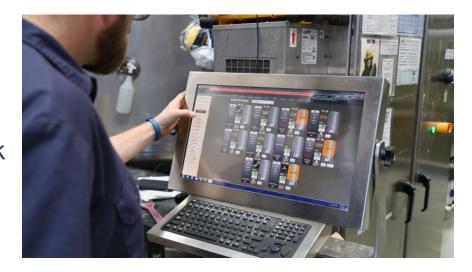
What is an HMI?

- Human-Machine Interface: A user interface that connects a person to a machine, system, or device.
- In industrial settings, HMIs are used to:
 - Visually display data (including graphs, charts, buttons, dashboards, etc.)
 - Track production time, trends & tags
 - Oversee KPIs
 - Monitor machine I/O
 - View & manage alarms
 - And more
- Unlike SCADA, HMIs don't collect and record information or connect to databases.



What is an HMI?

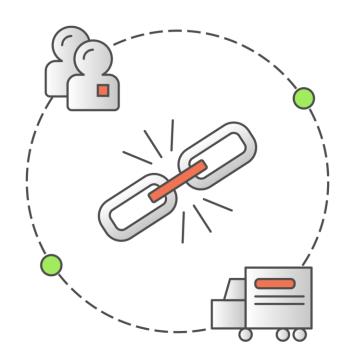
- Mainly used by operators, engineers, system integrators
- Can be on the plant floor, on mobile or remote devices, in the cloud, or the edge of the network
- Made up of hardware and software (HMI software often comes with the hardware)
- HMI software can be installed on any of the following hardware:
 - Built-in or embedded screens on machines
 - Graphic terminals
 - Panel-mount displays
 - Regular PCs
 - Mobile devices and wearables





HMI Hardware in the Supply Chain

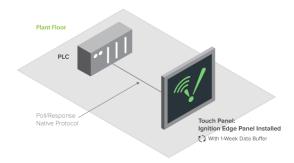
- Many industrial companies rely on proprietary hardware such as Allen-Bradley Panel Views for HMIs.
- This locks many companies into expensive products from one vendor.
- Recent supply-chain problems are causing long lead times, making it hard to get traditional HMI hardware in a timely manner.
- With microchip shortages, limited warehouse space, and backed-up shipping containers, these supply-chain issues are unlikely to change in the near future.



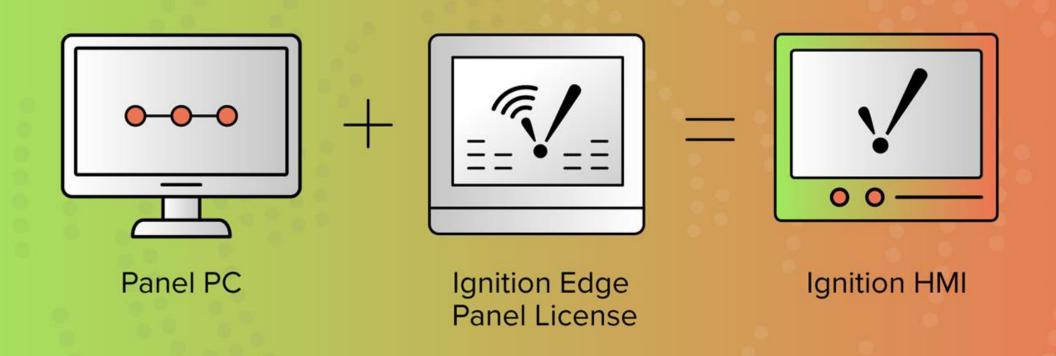
Ignition Edge Panel

Ignition Edge Panel is a standalone HMI software product.

- Rapidly build local HMIs for field devices and industrial HMIs
 - Vision or Perspective visualization modules
 - Ignition Designer included
- See real-time machine status
- Control your processes (stop and start)
- One-way alarm notification
- Basic trending
- Local-client fallback
- OPC UA connectivity
- Cross-platform



What is an Ignition HMI?

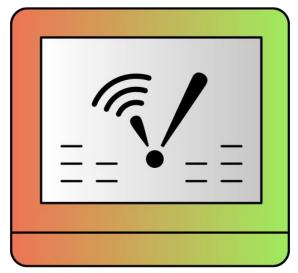


Solution: Use Ignition as a replacement for a traditional HMI

What is an Ignition HMI?

Options:

- Install Ignition Edge Panel onto an existing panel PC.
- Buy a Panel PC or an industrial PC and install Ignition Edge Panel onto it.
- Buy an Ignition Onboard panel PC with Ignition Edge Panel pre-loaded and pre-licensed.



Ignition Onboard











Ignition Onboard

Find Panel PCs with Ignition Edge Panel pre-loaded and prelicensed

Browse Onboard listings at:
https://inductiveautomation.com/o
nboard#panel-pc-section-anchor

















Ignition Edge Panel HMI Advantages

- Doesn't require a specific piece of hardware;
 choose whatever hardware you need
- Replace failed HMIs more quickly and affordably
- Development environment is included, not licensed separately
- Offers parallel functionality as data collection software
- Mix and match Ignition Edge Panel with other Ignition Edge products



Ignition Edge Panel

Mix & Match With Other Ignition Edge Products



Ignition Edge IIoT



Ignition Edge Panel



Ignition Edge Compute

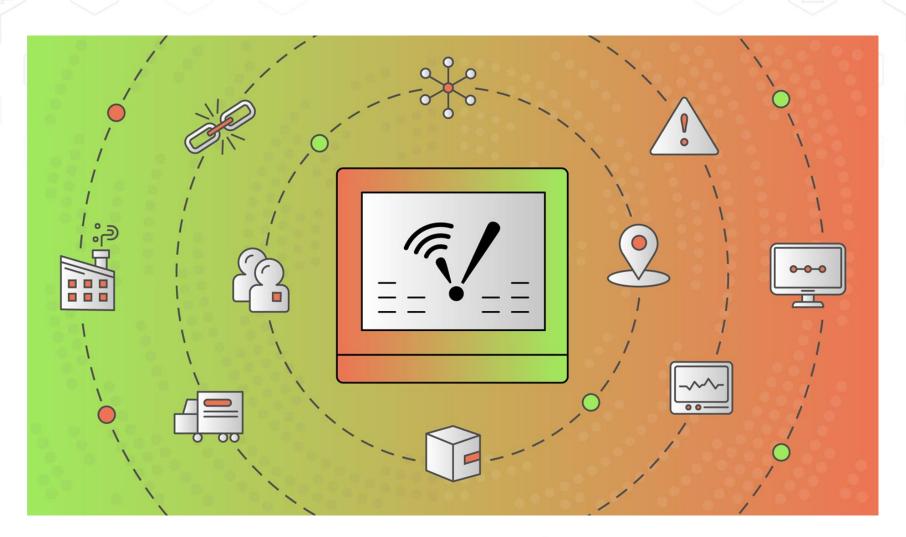


Ignition Edge Sync Services



Ignition Edge EAM

Integrator Case Studies





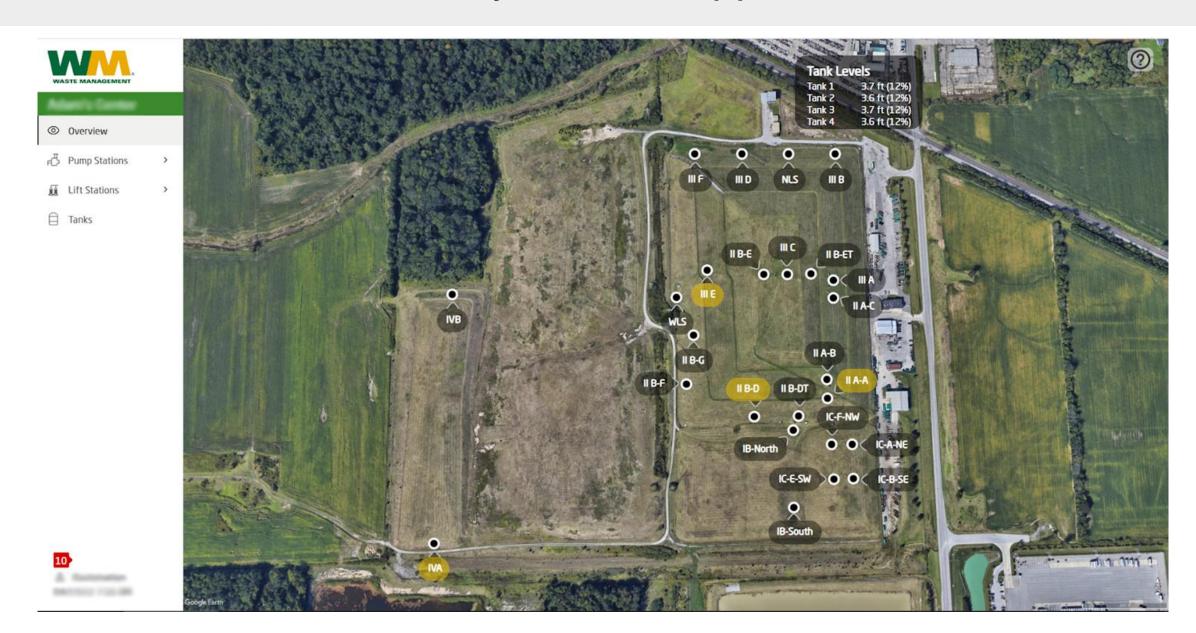


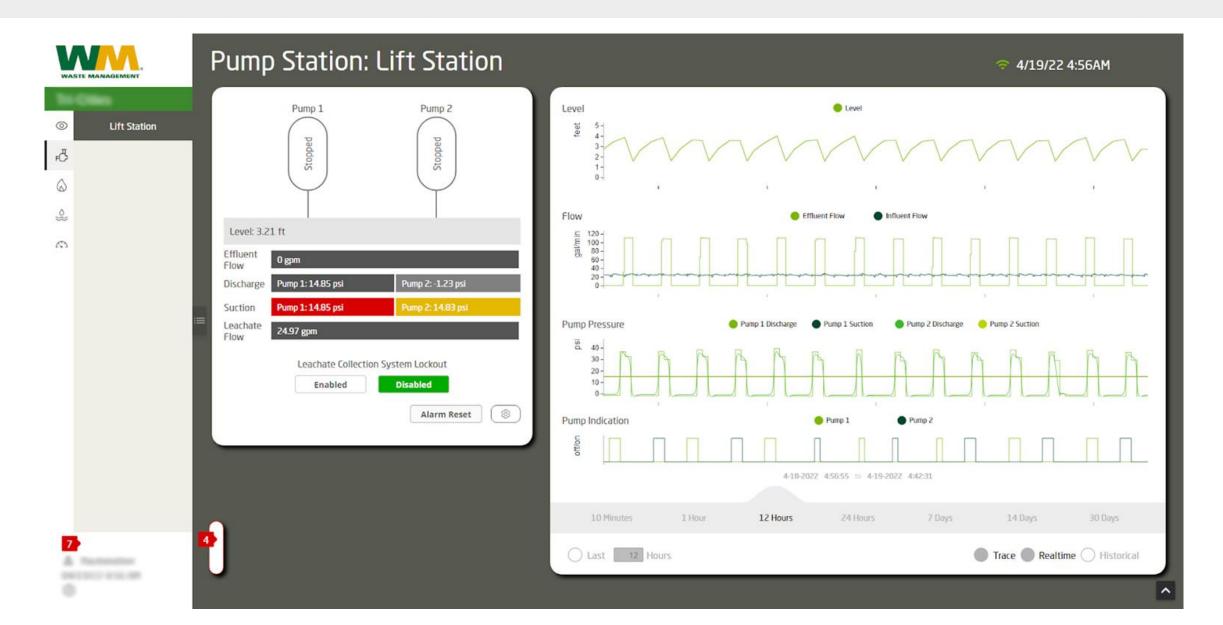
- Two projects: Landfill applications
- Both projects collecting data from multiple assets and displaying them from a single touchscreen so operators can control devices to a single point.
- Uses Edge Panel for local site control.

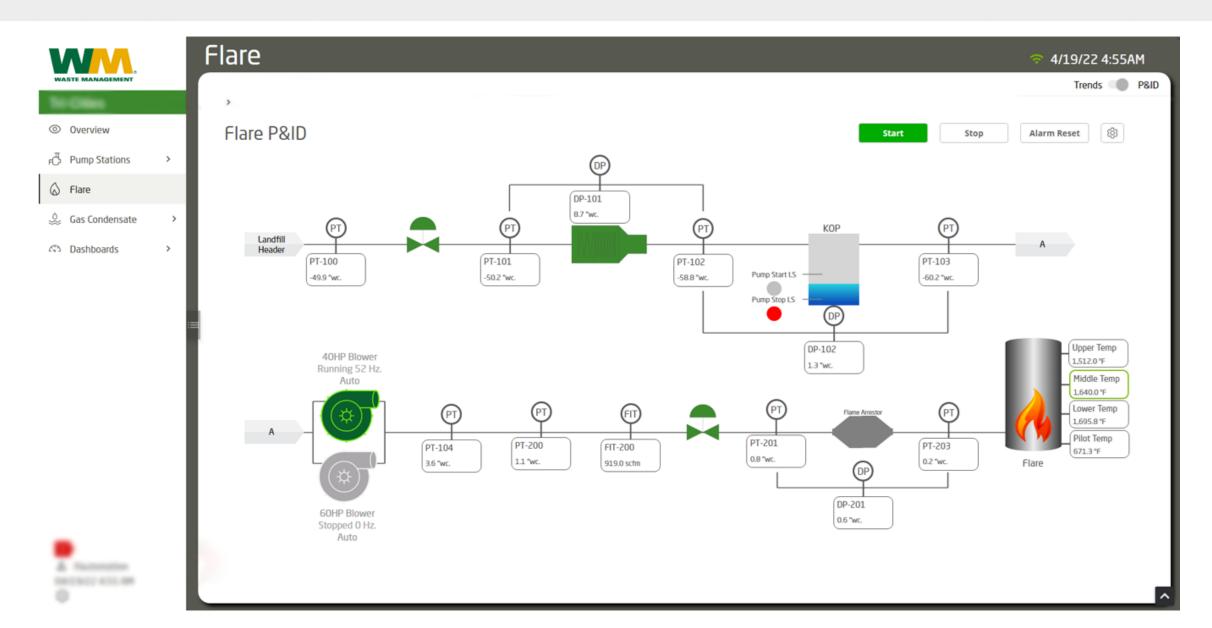


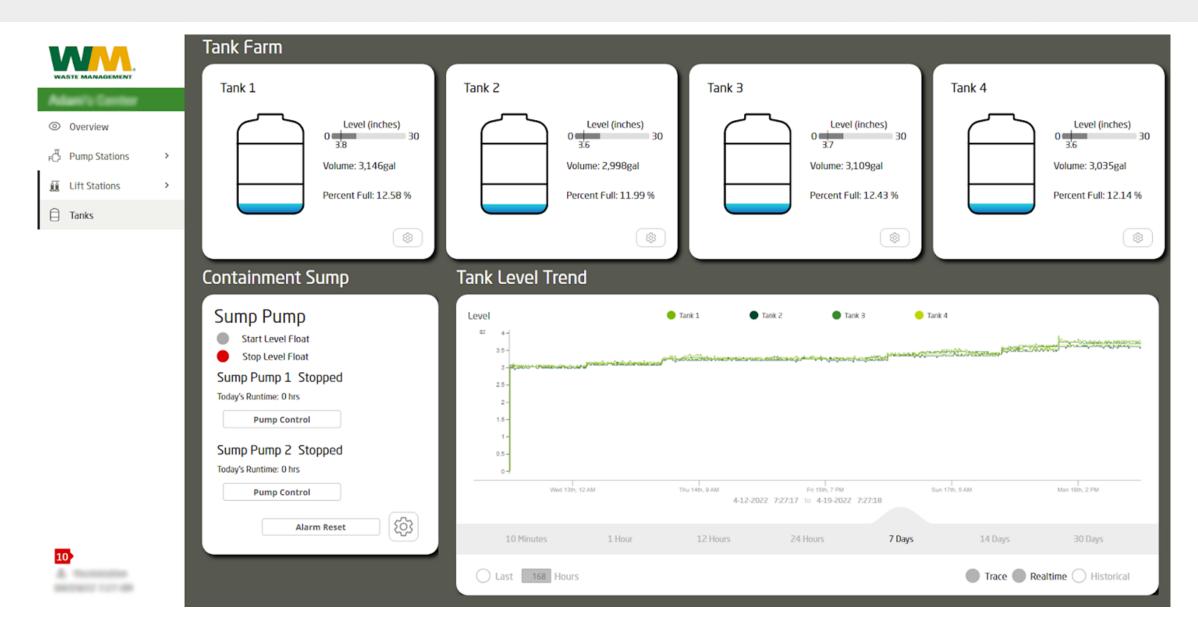
- Also collects and pushes data to an Enterprise Ignition system that collects and displays data for the entire organization.
- Having local command and control of a site is required even when communication outages occur with the Enterprise system.
- Edge Panel enabled reuse of many of the same views developed for the Enterprise system.



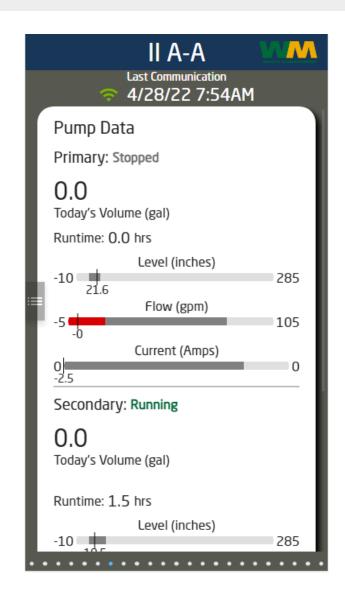


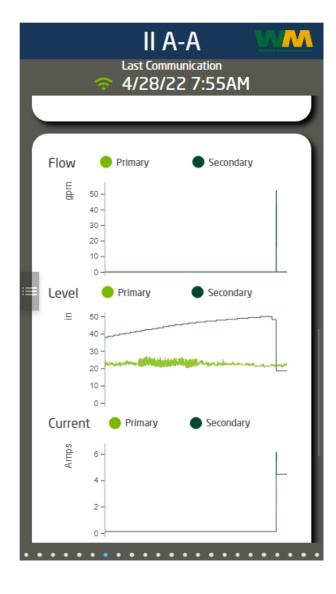












Case Study: Upstate NY





Case Study: Upstate NY

Ignition Edge

- 45 Sites utilize Ignition Edge Panel
- Found at edge of the network, and communicate back to centralized server via MQTT
 - Device control
 - Operator alarm
- Sites are critical, so need to have local control if network with central fails
 - More cost-efficient than having full-blown Ignition at each of the sites
- Was able to grab PC panels off the shelf from Advantech





Solutions to Keep You Running

Download Ignition Edge at: inductiveautomation.com

Browse Ignition Onboard Panel PCs with Ignition Edge Panel pre-loaded and pre-licensed at: inductiveautomation.com/onboard





Ready to Try Ignition for Yourself?

Download the full version for free at: inductiveautomation.com



inductiveuniversity.com

Ignition User Manual also available at: docs.inductiveautomation.com



Submissions Due by April 30

Submit your project at: https://icc.inductiveautomation.com/discover-gallery-2022

International Distributors

Australia	iControls Pty Ltd.	www.icontrols.com.au
Brazil	FG Automação Industrial	www.fgltda.com.br
Central America	NV Tecnologías S.A.	www.nvtecnologias.com
France	AXONE-iO	www.axone-io.com
Italy	EFA Automazione S.p.A	www.efa.it
Norway	Autic System AS	www.autic.no
South Africa	Element8	https://element8.co.za
Switzerland	MPI Technologies	https://mpi.ch

Contact International Distribution Manager Annie Wise at: awise@inductiveautomation.com

Questions & Comments

Today's Guest

Ross Sheffler: rsheffler@vertech.com



Call us at: 800-266-7798 Email us at: sales@ia.io



Melanie Hottman Director of Sales x247



Jim Meisler x227



Ramin Rofagha x251



Lester Ares x214



Vannessa Garcia x231



Shane Miller ×218



Maria Chinappi x264



Myron Hoertling x224



Robert Graves ×142



DJ Parsons x150



Roman Couvrette x163



Abran Mathews x151



Justin Reis x186

Thank You

Stay connected to us on social media & subscribe to news feeds:











