

A background network diagram consisting of numerous nodes (circles) of varying sizes and colors (blue, grey, light blue) connected by thin lines, creating a complex web of connections. The nodes are more densely packed on the left side and become sparser towards the right.

Aviexx

A Technology Overview

Advancing the HVAC Service and Fuel Delivery Industry



Bringing Industry 4.0 to HVAC

Aviexx is a revolutionary **subscription based** technology that links all parts of the HVAC industry into a single Ecosystem, bringing with it Efficiencies and Benefits to all.

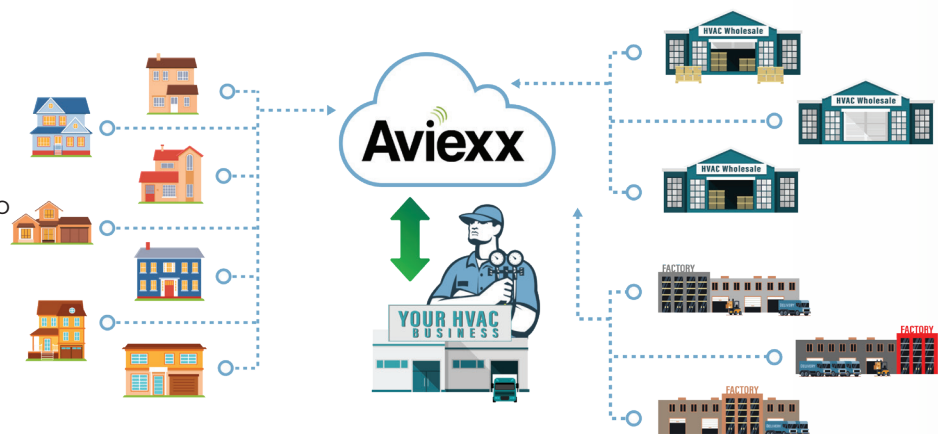
The Ecosystem Starts and ends with our HVAC Service Pro Partners and a **\$0 investment**. These are companies ranging from one-person operations to larger corporations that:

- Service
- Maintain
- Install
 - Furnace
 - Heat-Pumps
 - Air Conditioning
 - Boilers
- They are also companies that deliver:
 - Fuel Oil
 - Propane

Aviexx connects our Service Pro Partners to their customers equipment 24-7 using the latest Wi-Fi and Internet technology. Additionally, our service pro partners can automatically offer a self-branded Mobile or Desktop application to their customers at no cost.

The Aviexx Ecosystem also connects the Service Pro partners and their entire team to their preferred Wholesale Distributor. This allows for quicker and more efficient supply of replacement parts and improves inventory control.

Equipment OEMs are also linked in to complete the total Ecosystem. If required, Service Pros can allow OEM tech support personnel instantaneous access to live and historical data for any piece of equipment. This gives technical staff all the tools they need to diagnose and troubleshoot more complex problems, saving time and resources at all levels.



The Technology

The heart of the Aviexx Technology is the Edge Node. The Edge nodes are currently offered in two form factors:

- Aviexx Retrofit Edge Nodes are for existing equipment that was not designed specifically for Aviexx Technology. This will represent most of the applications in the field.
- There are edge nodes for equipment that comes from the factory with Aviexx Embedded Technology built-in

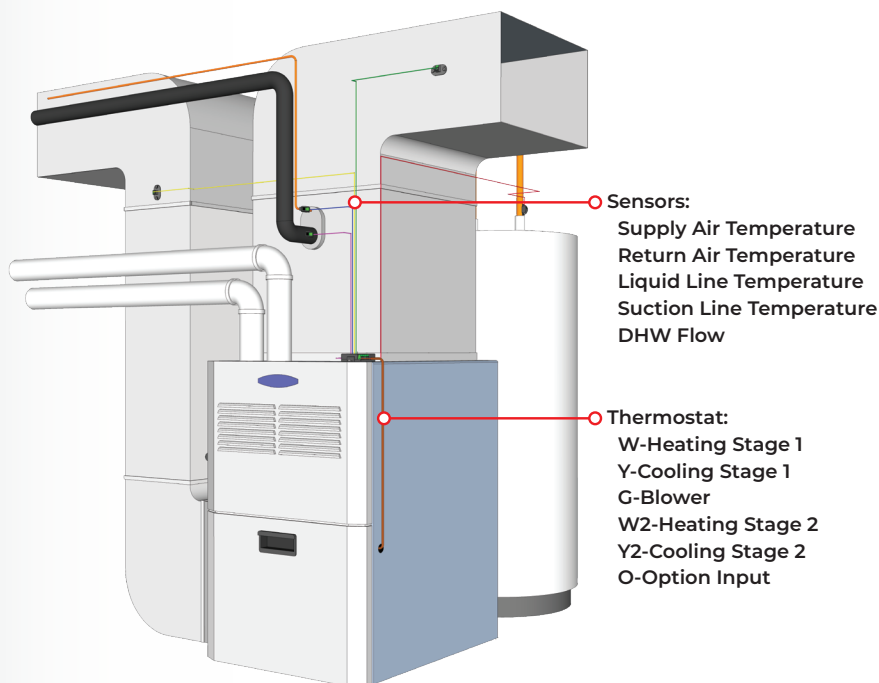


A Single kit consists of an edge node along with a selection of sensors. (Plenum Sensors, Pipe Sensors, Leak Detectors, Tank Sensors and more)

Aviexx kits are available from Distributors for virtually all types and combinations of residential and light commercial comfort systems.

The Service Pro Technician installs the kit usually in 20 minutes or less. Retrofit Edge Nodes are installed at a convenient location on the HVAC equipment.

Thermostat connections are clearly marked on the Aviexx Edge Node. Wires from the edge node to the thermostat connections on the equipment are then made. These connections are electrically in parallel with the household thermostat allowing the Aviexx Edge Node to monitor thermostat activity.



A variety of sensors supplied in the kit are quickly attached at critical points allowing the Aviexx Edge Node to gather and analyze operation data on a continuous basis. In Furnaces and Heat Pump applications plenum sensors install in ductwork to obtain accurate supply and return air temperatures. For Air conditioning Domestic Hot Water and Hydronic applications, kits come supplied with universal pipe sensors that rapidly attach with cable ties. These sensors are suitable for pipes from 3/8" up to 2-1/2" diameters.

Once installed the Aviexx Edge Node is simply connected to the local building Wi-Fi using a mobile phone and following the clear and concise on-screen prompts. Easy-peasy, lemon squeezy.

Powerful Tools Like Never Before

The Edge Node registers on the Aviexx Cloud under the Service Pro Partner's account. The data is always immediately visible on the Aviexx Cloud by the Service Pro partner and their team members. Your technical team can view this information from anywhere, at any time.

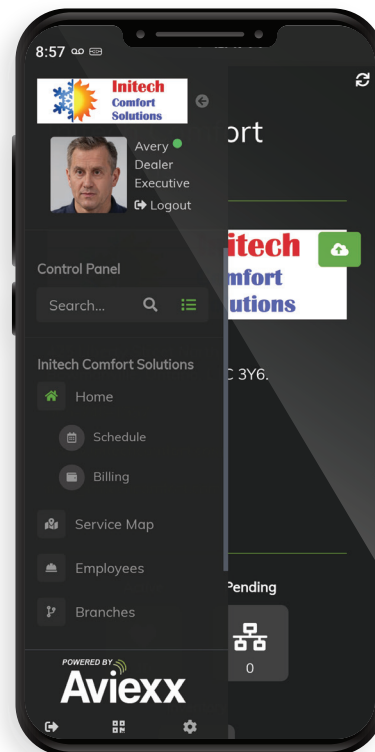
The Control Panel:

Every HVAC Service Pro Partner gets their own home page with all the powerful tools readily accessible on the Control Panel located on the left side of the screen.

Mobile View:



Service Pro Home Page

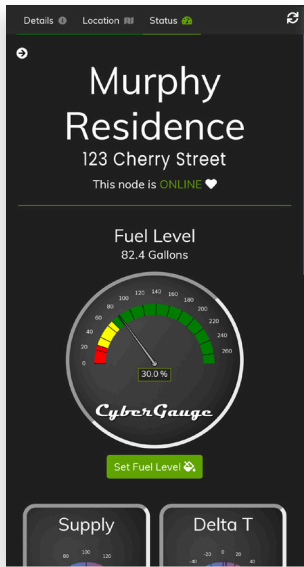


Control Panel Side Bar

Your service technicians can now remotely diagnose most problems before being dispatched to the site. With an industry exclusive remote diagnostic function, the technician can activate a call for cooling, or a call for heating from anywhere, even their service truck.

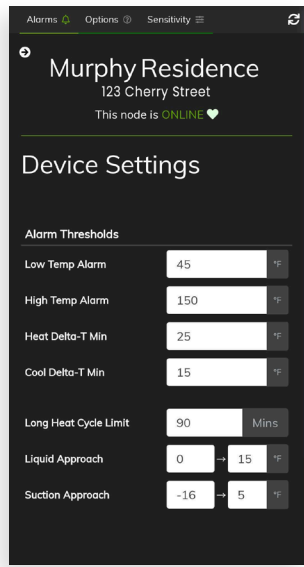
On more difficult jobs a more senior technician can offer assistance from anywhere. And, if necessary, an OEM Technical Support person can be brought in remotely by giving temporary access to the Aviexx Edge Node.

Mobile View:



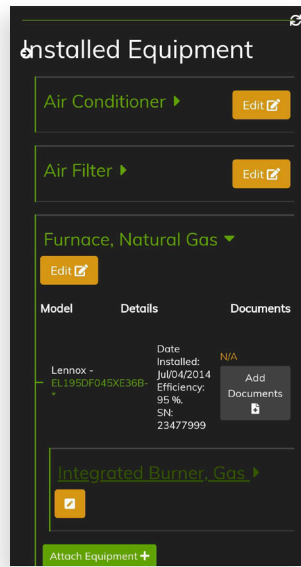
Sensorless Tank Levels:

View Propane and Heating Oil Tank Levels at all times for efficient delivery



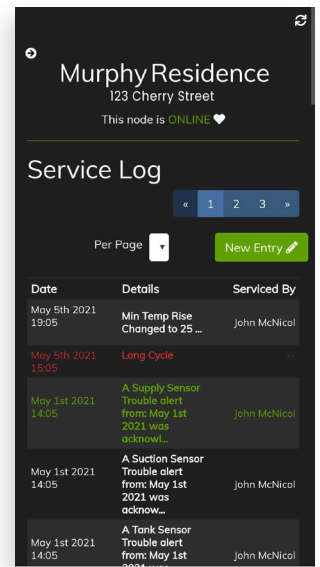
Alarm Settings:

Define critical thresholds that will trigger instant alert messages



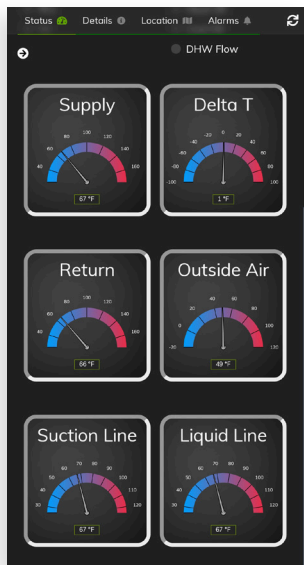
Installed Equipment Details:

Make sure you have the right parts on the truck before it rolls



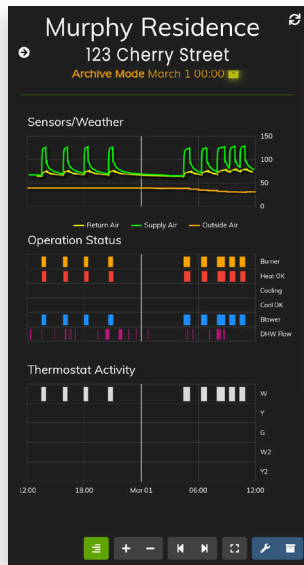
Service Log / Image Gallery:

Automatic and manual updates for a continuous record. Upload photos and documents



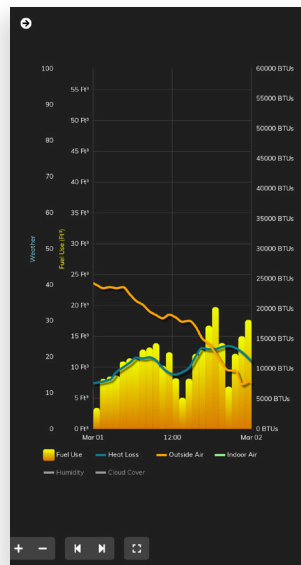
Dashboard with Live Data:

Accurate gauges showing critical information. Viewable anywhere



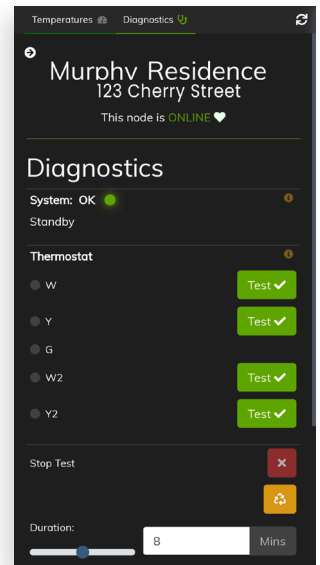
Analytics. Live and Historical:

View details data for the last 24 hours, and look back 90 days. No more time lost to intermittent problems



Hourly Fuel Use and Heat Loss:

90 days of accurate hourly building heatloss and energy use compared to inside and outside temperatures



Diagnostic Testing Anywhere:

In the truck, or the office, you can remotely activate the equipment and diagnose problems

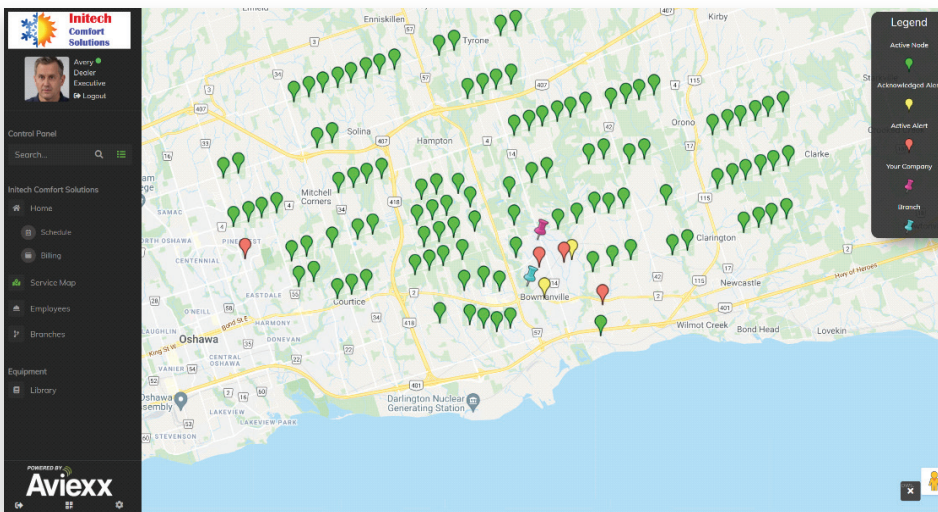
Management Tools for Your Team

Building and managing your team is simple and straightforward with Aviexx.

From a powerful interactive Service Map that shows you all your customers at a glance including the state of their equipment you can dispatch the right person at the right time to the right place.

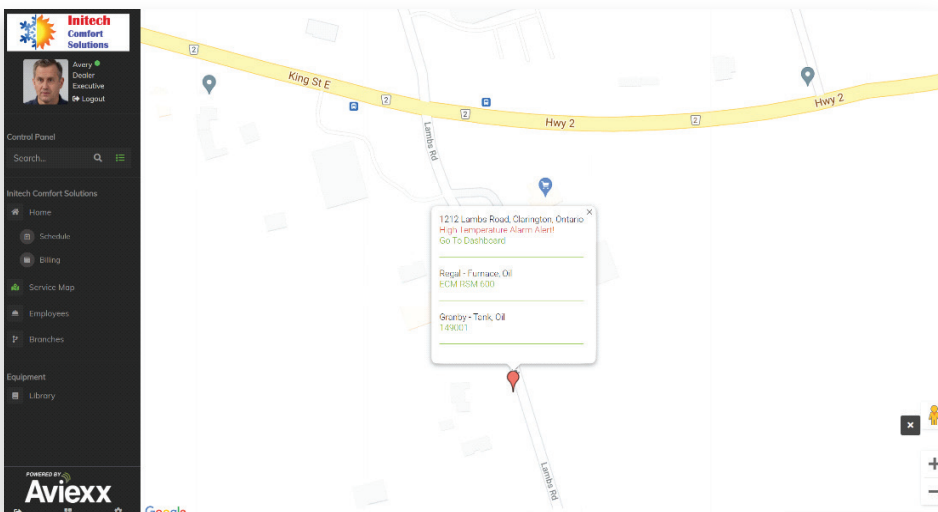
Aviexx gives you total control over your team's permission levels. Adding, removing or changing your team members is a breeze.

Desktop View:



Service Map:

Every Customer is plotted on a map and color-coded to indicate the state of their equipment: Green is Ok. Yellow is an acknowledged Alert. Red is an active Alert.



Customer Status Details:

Clicking on any node on the map immediately pulls up the details of that location. View installed equipment with hyperlinks to manuals, schematics, and videos.

If there is an outstanding Alert condition then one click on the link takes you to the Dashboard to view the live data.

Branch Management:

Allow your management team to log into any one of your branches to view their Aviexx site in real time. See everything for that branch, from the Dashboard to On-call schedule.

The screenshot shows the 'Branch Management' page. At the top, there is a 'Send Invitation' button. Below it is a table with the following data:

Branch Name	Executive	Active	Pending	Inventory
Initech Comfort Solutions - Fort Dodge Branch	Gary Smith	256	17	25
Initech Comfort Solutions - Aurora Branch	Dave Winfield	1925	5	18
Initech Comfort Solutions - Winley Branch	Derral Oates	798	45	39
Initech Comfort Solutions - Pittsburgh Branch	John Hall	1013	11	12

The interface also includes a sidebar with navigation options like Home, Schedule, Billing, Service Map, Employees, Branches, and Equipment. The Aviexx logo is visible at the bottom.

Employee Tools:

Add and delete team members. Change their permission levels. Set their work hours and Alert settings. Privacy and permissions are completely managed by the Service Pro Executive.

The screenshot shows the 'Employees' page. It features a 'Send Invitation' button and a 'Show Suspended Accounts' checkbox. A table lists the following employees:

Profile Picture	Name	Role	Email	Phone
	James Robbins	Dealer Service Technician	james.robbins@aviexx.com	(418) 450-5858
	Avery Landen	Dealer Executive	avery.landen@aviexx.com	(418) 450-5858
	Roderick Gross	Dealer Service Manager	rod.gross@aviexx.com	(418) 450-5858
	Mohamed Espinoza	Dealer Service Technician	mohamed.espinoza@aviexx.com	(418) 450-5858
	Carter Emerson	Dealer Service Technician	carter.emerson@aviexx.com	(418) 450-5858
	Lucas Holloway	Dealer Service Manager	lucas.holloway@aviexx.com	(418) 450-5858
	Gabriel Bonenfant	Dealer Executive	gabriel.bonenfant@gmail.com	(289) 682-7745
	Diane Kowalski	Dealer Administrator	diane.kowalski@aviexx.com	(289) 565-7853

The interface includes a sidebar with navigation options and the Aviexx logo at the bottom.

On-Call Schedule:

After hours Aviexx routes Alerts to your On-Call Staff. Alerts can be sent to one, or to many team members. Alerts can be sent simultaneously or sequentially... Whatever works for your company.

The screenshot shows the 'Business Hours' and 'Alert Settings' configuration page. The 'Business Hours' section includes a table for setting open and close times for each day of the week:

Open Hours	Open	Close
Monday	07:30 am	06:00 pm
Tuesday	09:00 am	05:00 pm
Wednesday	07:30 am	06:00 pm
Thursday	09:00 am	05:00 pm
Friday	07:30 am	06:00 pm
Saturday	09:00 am	05:00 pm
Sunday	09:00 am	05:00 pm

The 'Alert Settings' section includes options to send alerts to everyone or the next person on the list, and a dropdown menu to select team members for alerts. The selected members are James Robbins and Diane Kowalski. There are 'Reset' and 'Save' buttons.



Your Company
Heating & Cooling Co.



Occupant App:

Automatically generated with your logo and contact information, keeps your customers linked to you. Provides the peace of mind that your company is monitoring their equipment 24-7. The customer can see basic information about the system health and their energy usage. For Propane and Heating Oil customers their fuel levels are displayed in real-time.

Become an Aviexx Service Pro
Contact:

Aviexx

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