HVAIC®
HV-ACE

Industrial Quality HVAC Monitoring for Your Home!

Large commercial buildings use simillar monitoring for energy cost reductions and to detect and predict HVAC problems

Predictive Analytics & Tech Triage

Helps Identify Problems Before They Begin: AI processing of performance trends & anomolies may indicate pending failures or system degradation.

Trouble Report: You forward to your HVAIC installer for assessment to determine if a service call is needed.

Automated Alerts: Automated email and text alerts for potential problems & air filter changes.

Multi-HVAC Unit Data Analysis:

Each home's HVAC unit's data is collected. Performance is compared by AI to confirm comparable performance, if the same model, for best energy & cost savings.

App and Cloud Data

Phone Apps & Cloud Dashboards: Detailed performance data, and alternative filter recommendations for improved air quality!

Parameters Monitored

Air Filter Needs Changing | Monitors air pressure in-front of and behind the filter. Higher frontal and lower behind pressures = Clogged Filter.

Air Temperature Tracking |

- **Inside Air Duct** pre and post condensor coil for degraded HVAC cooling/heating performance.
- **Exterior Area Around Air Handler** tracks the impact of hot or cold attics, basements, etc. on energy usage.
- **Outdoor Air Temperature** for future AI Analysis to predict HVAC energy usage and energy management control of thermostats or other connected devices.

Duty Cycle & Electrical Current | The run time of your air handler, the electical current and voltage determine the amount of kW hours of electricity used.

Optional Duct Air Velocity | Duct Air Velocity is Too High or Low. Each HVAC has a defined velocity range.

Optional UVC Lamp Energy Monitoring | Monitors in-duct UVC lamps to confirm that they are producing sufficient UVC to help disinfect air and keep condensor coils clear of biofilms.

Simple Installation - Only requires the drilling of holes, which are fully sealed afterwards.

Optional In Room Temperature Sensors Available

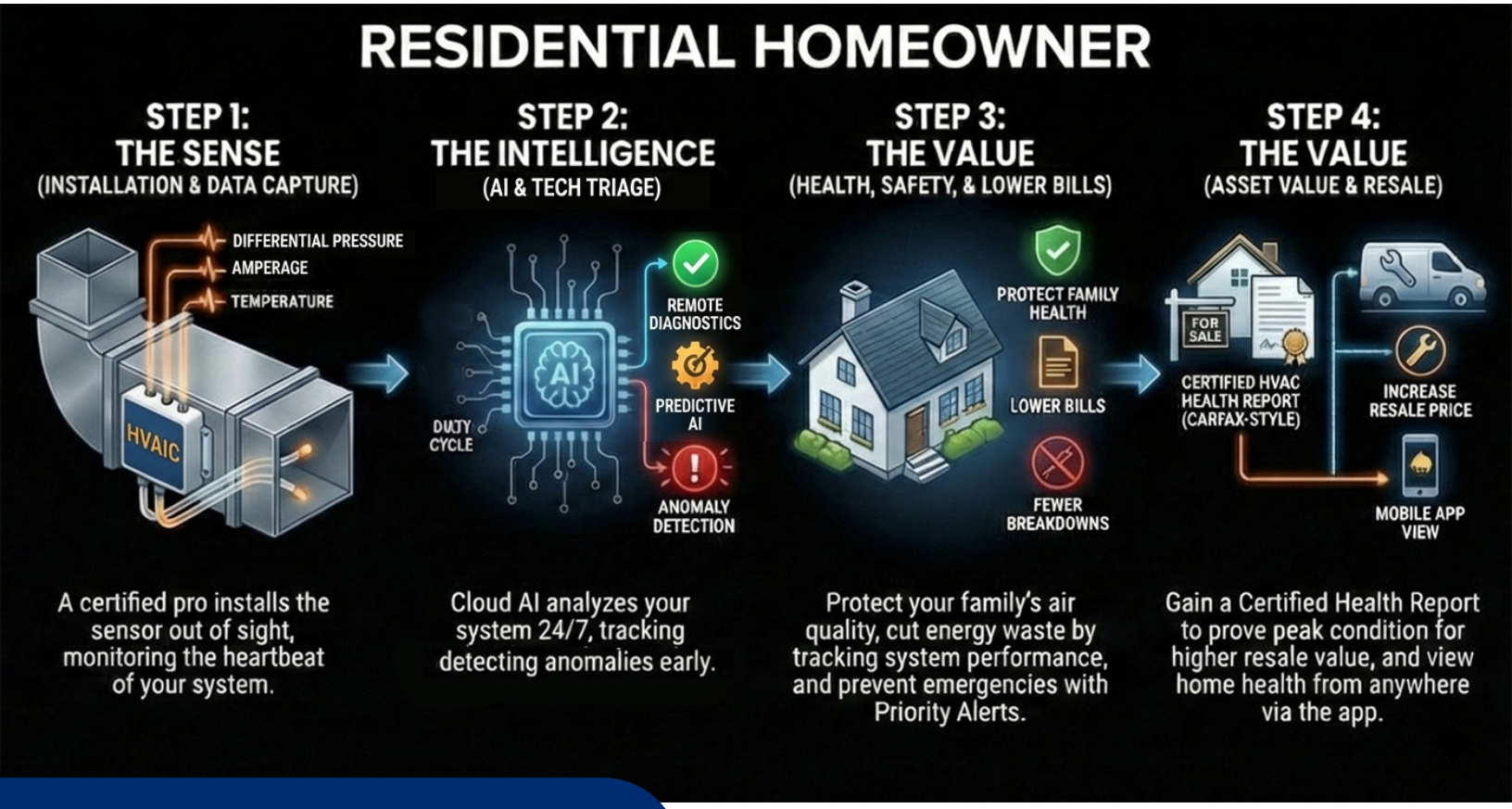
VARITEX

Varitex, Inc.
190 Bluegrass Valley Pkwy
Alpharetta, GA 30005

(678) 794-4899
support@varitex.io
Varitex.io

VARITEX

Maximum HVAC Performance Insights



Data Analytics-AI Agents

One Cloud Platform for savings opportunities & HVAC performance improvements & Tracking

HVAIC®

The Heartbeat of Your Home's HVAC

Specifications & Requirements

- High Performance Differential Pressure Sensor: Auto-Ranging 0 to 0.100 or up to 10 inches WaterColumn.
- 24VAC. Power Supply Included.
- WiFi, Bluetooth and Optional LoRaWAN.
- Apple and Android Apps.
- Professional HVAC Contractor Installation Required - We Can Connect You.