

BrightAir opportunities

- Clear air at minimal cost
- Minimal power consumption
- Maximum level of comfort

BrightAir threats

- high level of outdoor contamination
- connectivity issues
- security issues



BrightAir cloud

- Identification of sources of air contaminations
- Estimation of model parameters of your house
- Receiving weather forecasts
- Receiving data from and sending data to Edge

User

- managing setpoints
- monitoring air quality
- Manual equipment control



BrightAir Edge server

- feedback control of HVAC and windows
- maximization of air quality
- receiving management and state data from HVAC, windows, sensors

Smart HVAC and smart windows

- receive setpoints from Edge
- receive control signals from Edge
- state monitoring
- sending data to Edge



Smart Foobot sensors

- measuring of Fine particles, volatile compounds, temperature, humidity carbon dioxide
- sending measures to *BrightAir* Edge server



BrightAir adds fresh air and years to your life.

BrightAir provides high level of comfort and unique quality of indoor air in your house at unprecedented low costs.

BrightAir monitors indoor and outdoor air quality and controls your HVAC equipment and windows in order to minimize energy costs.

BrightAir efficiently uses outdoor air to minimize energy consumption and maximize air quality in your dwelling.

Best air quality at minimal cost

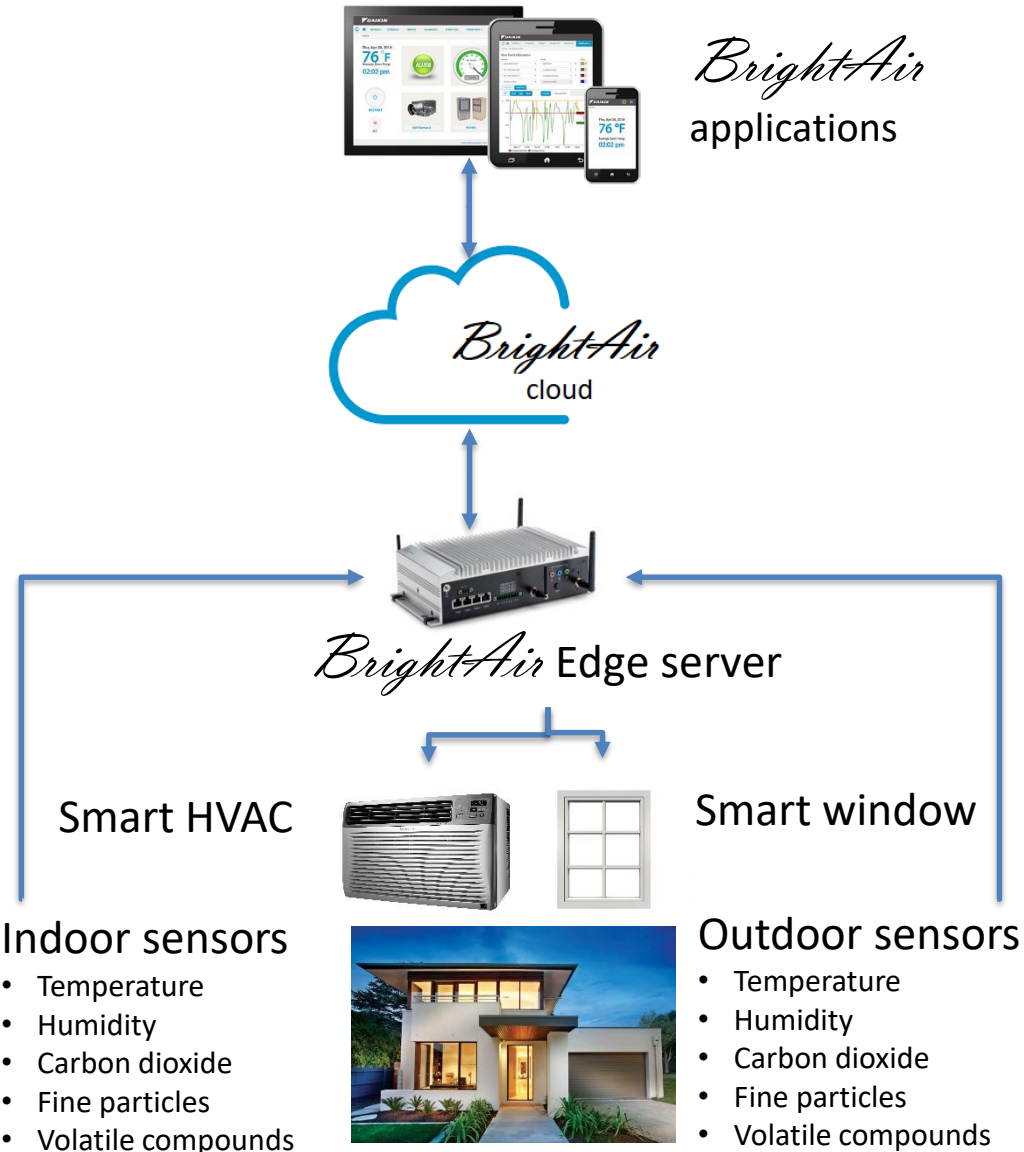


BrightAir applications are available for mobile and desktop devices and monitors costs, power, and air quality.

BrightAir cloud uses your historical data, data of weather and machine learning algorithms to predict your dwelling model parameters.

BrightAir Edge server controls smart windows and HVAC equipment. It is the heart and brain of the solution and utilizes advanced model predictive control algorithms.

BrightAir Edge server connects wirelessly to sensors, HVAC, and smart windows.



BrightAir transforms your dwelling into real smart house.

BrightAir as Internet of Things solution covers all levels – from sensors to the cloud.

BrightAir knows everything about air in your house and maximizes it's quality and quality of your life.

BrightAir sensors measures fine particles, volatile compounds, temperature, humidity, and carbon dioxide and minimizes indoor air pollutions.

Applications

- Energy cost monitoring
- Power consumption monitoring
- Air quality monitoring
- Setpoint management

Analyze

- Optimization of energy consumption
- Minimization of energy costs
- Machine learning algorithms
- Maximizing air quality

Connectivity

- Wireless Wi-Fi indoor communications
- Secured Internet communications

Sensors

- Fine particles
- Volatile compounds
- Temperature and humidity
- Carbon dioxide

Your equipment

- HVAC
- Nest
- Smart windows