

Energy Savings and Sustainability

A comprehensive AI solution to manage energy costs, increase sustainability, and optimize your built environment



Occupancy



Density



Space Utilization



Direct Building Control



Mask Detection

Buildings worldwide account for over **39% of all greenhouse emissions and 36% of energy consumption**¹, much of which comes from heating, ventilation and air conditioning. These systems are highly inefficient due to one thing: **there is no way to accurately count the occupancy of a building, zone or room**. Instead, most buildings are controlled by schedules and primitive sensors, **leading to 15%-25% in wasted energy and CO2 emissions according to the Department of Energy**².

Solution Overview

Nomad Go is an easy-to-deploy edge AI computer vision solution that provides highly accurate and real-time occupancy data at scale, leading to energy savings and a reduction in energy-related emissions. With Nomad Go you can:

01

Improve energy efficiency:
adjust ventilation in real-time to dramatically reduce energy consumption

02

Enhance sustainability:
use real-time data to lower energy-related carbon emissions

03

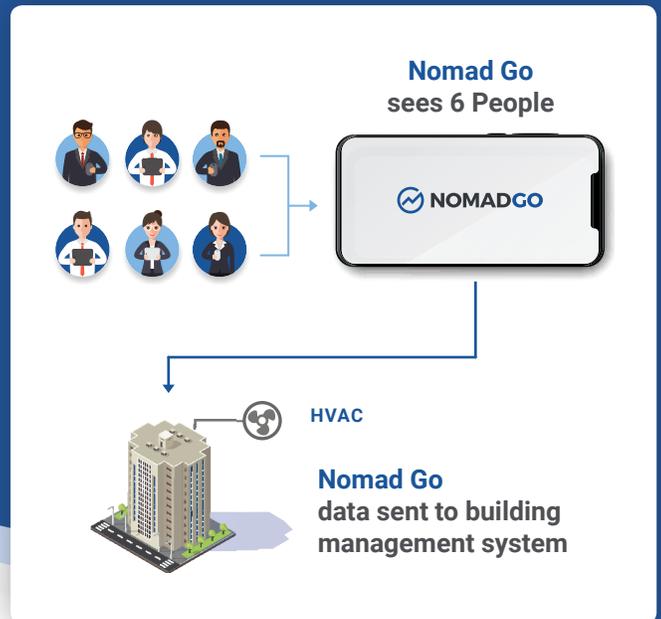
Optimize spaces:
make informed decisions about utilization to improve space planning and cleaning plans

04

Create healthier environments:
optimize layout and procedures to improve employee and customer comfort and safety

How Nomad Go Works

Using everyday smart devices, Nomad Go accurately detects the number of people in a room in real time using computer vision on the edge. The data is sent directly to the building management system to regulate air flow according to the number of people in the room, thereby reducing energy usage and energy-related carbon emissions.



Privacy and Security

Nomad Go's Edge Computer Vision protects employee and customer privacy by never saving photos or video on devices or the cloud. All data processing is done in real-time, making the Nomad Go system more private than a security camera. All data collected is anonymized and never includes personally identifiable information.

The Nomad Go Advantage

While existing people counter sensors capture a single metric, the Nomad Go edge computer vision platform provides support for a wide range of metrics (occupancy, density, dwell times, mask usage, etc.) to help improve your business. The platform can be customized with new computer vision models for metrics that matter most to you.

Unlike sensors that rely on proprietary hardware, Nomad Go uses everyday smart devices such as phones, tablets and displays which reduces the overall cost of deployment, removes dependencies on supply chains, and allows you to get up and running quickly.

12+

Million

Interactions Analyzed

50+

Years

Combined AI And
Enterprise Technology
Experience

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