



Make your Building Comfortable, Aware & Efficient





75F's Intuitive, Self-learning System solves Energy and Comfort Issues in Commercial Buildings

Whether you are looking to optimise comfort in your building, increase energy efficiency, add automation or gain insight into how your building uses energy, 75F is the perfect choice!

In other words, 75F's award-winning solution does all the work so you and your team can be more comfortable, work better and save more.

Why 75F?

We, at 75F, understand that every building is a dynamic entity and hence the Building Intelligence System installed should be dynamic as well. That's why our smart solutions harness the power of IoT and cloud computing to predict, monitor and manage the needs of a building pro-actively.

By continually monitoring a room's needs, analyzing incoming data, and controlling what goes in and out, our system effectively manages a building's energy loads.

75F's solution contributes to our customers' triple bottom line:

- ▶ increases employee productivity (social),
- ▶ reduces energy usage (environment) and,
- ▶ increases profit (economic).

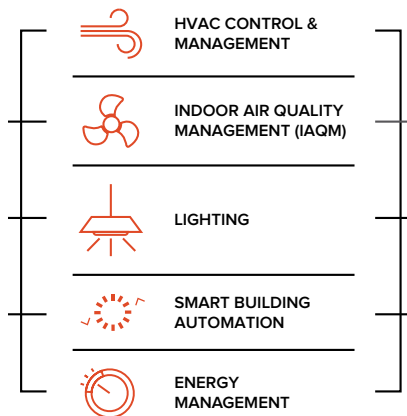
75F SOLUTION: THE ONLY PREDICTIVE SOLUTION

No matter what solution or combination of solutions you install, our system will have two constants: The Central Control Unit and its connection to the Cloud.



The Cloud

Our proprietary algorithms in the cloud are built specifically for the vast quantities of data we gather from your building's functions. The cloud processes it quickly, allowing for instant and consistent updates to live energy usage feeds.



Central Control Unit

The CCU is the on-the-ground hub of information and management for all aspects of your building. It incorporates all 75F systems used in your building and displays the tools and information in an easy-to-use interface.



Did you Know?

50% of the energy consumed in a typical commercial building is wasted due to inefficient use:

HVAC and Lighting together represent up to 60% of the energy being consumed in a commercial office making it imperative to deliver energy savings in these areas without sacrificing comfort. However, current systems are not equipped to predict and be prepared for where and when energy is needed, wasting energy by conditioning and lighting unoccupied areas.



Did you Know?

Poor Air Quality impacts Employee Health, comfort and productivity:

Ambient Air pollution in India is 10-15 times higher than WHO AHQ levels resulting in poor air quality in your building and impacting your employee's well being.



75F SUITE OF SOLUTIONS

Dynamic Airflow Balancing™

Our award-winning HVAC solution is a self-optimizing system that does all the work so you are comfortable and save more. Our smart algorithms model the thermal envelope of your building to send the optimal control strategy to your building to maximize energy savings without sacrificing comfort. The predictive thermal model helps in deploying the most efficient HVAC plan every day.

Continuous Commissioning

Sensors placed throughout your office take readings every 60 seconds to build a vast data model of your building. Our proprietary algorithms combine the data with weather forecasts to send proactive instructions that continuously manage airflow.

Outside Air Optimization & Indoor Air Quality

Unlike other solutions in the market, we use live data feeds to measure outside enthalpy and we place sensors in your building to calculate indoor enthalpy. With an understanding of both, we are able to provide superior free cooling when the conditions are right while ensuring optimal air quality for your customers.

Energy Management

We do more than simply show you your energy use. We proactively manage it and give you the ability to do the same. With our real-time energy metrics, you can:

- ▶ Monitor energy consumption of the different components of your HVAC ecosystem like the AHU's & Chillers.
- ▶ Monitor energy consumption of different zones, floors, across different buildings and locations. You can even trend them out weekly, monthly, annually or versus a baseline.
- ▶ Troubleshoot and take corrective measures on a real-time basis.

Chilled Water Balancing Technology

Our unique control system for the Chilled Water line of the AHU/Chiller system helps you understand, analyse and fine-tune the performance under various conditions. The sensors communicate directly with the CCU so that you can monitor the inlet and outlet temperatures, chilled water flow rates and power consumption across the line and help optimise the overall performance of the system, thereby driving significant energy savings from the Chiller plant.

Advanced Lighting Management

More than simply turning the lights on or off, our advanced system considers many factors about your building before determining the ideal time to adjust the lighting gradually. We examine the orientation and geographical placement of your building. Then we combine that with weather forecasts to enable efficiency and real-time scheduling and ensure your system only runs when it needs to. Our system when combined with lux sensors and occupancy sensors can further improve comfort and save energy.



Did you Know?

Overcooling and Hotspots impact employee productivity by around 8-10%:

Cold Spots and Hotspots not only compromise employee comfort but also impact their productivity thereby directly affecting the company's bottom line.



CONTROL & MONITOR FROM ANYWHERE

We built Facilisight, a suite of web and mobile apps, to make it as easy as possible for you to oversee and manage the 75F systems across all your locations.

- Energy analytics provide insight into your energy usage and savings
- Policy editor allows you to push complex schedules to all your locations with a single click
- View live heat maps of your building.
- Schedule system changes and receives alerts on the go from your mobile app.
- Gain insight into equipment performance, verify service actions and predict equipment failures.



THE 75F ADVANTAGE



up to 40%
Energy Savings

Demand control ventilation, multi-stage fan support, occupancy sensors, and elimination of bypass dampers.



100%
More Comfortable

Algorithms track weather, angle of the sun and room occupancy to proactively regulate the temperature and keep it stable despite the time of day or season.



80%
Installation Savings

Smart dampers installed in existing supply diffusers, easy pairing of sensors via wireless mesh network and pre-configured out-of-the-box equipment make installation really fast.



less than 3 yrs
Payback Period

Energy savings, lower installation cost, increased employee productivity and savings through automation, reduced equipment wear and tear lead to quicker Return on Investment (ROI).



Retrofit Friendly
Easy, quick and non-disruptive installation makes the solution retrofit friendly.

SAVING ENERGY NEVER FELT BETTER

Reducing carbon footprint and saving energy is an important aspect of our technology. 75F embodies its name from the United Nations campaign to raise temperatures in buildings to 75 degrees Fahrenheit to reduce carbon emissions.

From our partnership with the UNEP Sustainable Buildings & Climate Initiative, Indian Green Building Council (IGBC) and Alliance for Energy Efficient Economy (AEEE), to our efforts in looking at every way we can, to make buildings more comfortable and efficient, we are committed to saving energy and reducing carbon emissions.



**Sustainable Buildings
and Climate Initiative**
Partner



**Alliance for an
Energy Efficient
Economy**

AWARD WINNING TECHNOLOGY

Our solution has won numerous awards and has been recognized for its environmental benefits and revolutionary technology. Here are just a few of the many awards we won:



75F Head Quarters:
**Minneapolis, Minnesota,
USA**

75F APAC Head Office:
**WeWork Vaishnavi Signature,
Bangalore, INDIA**

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