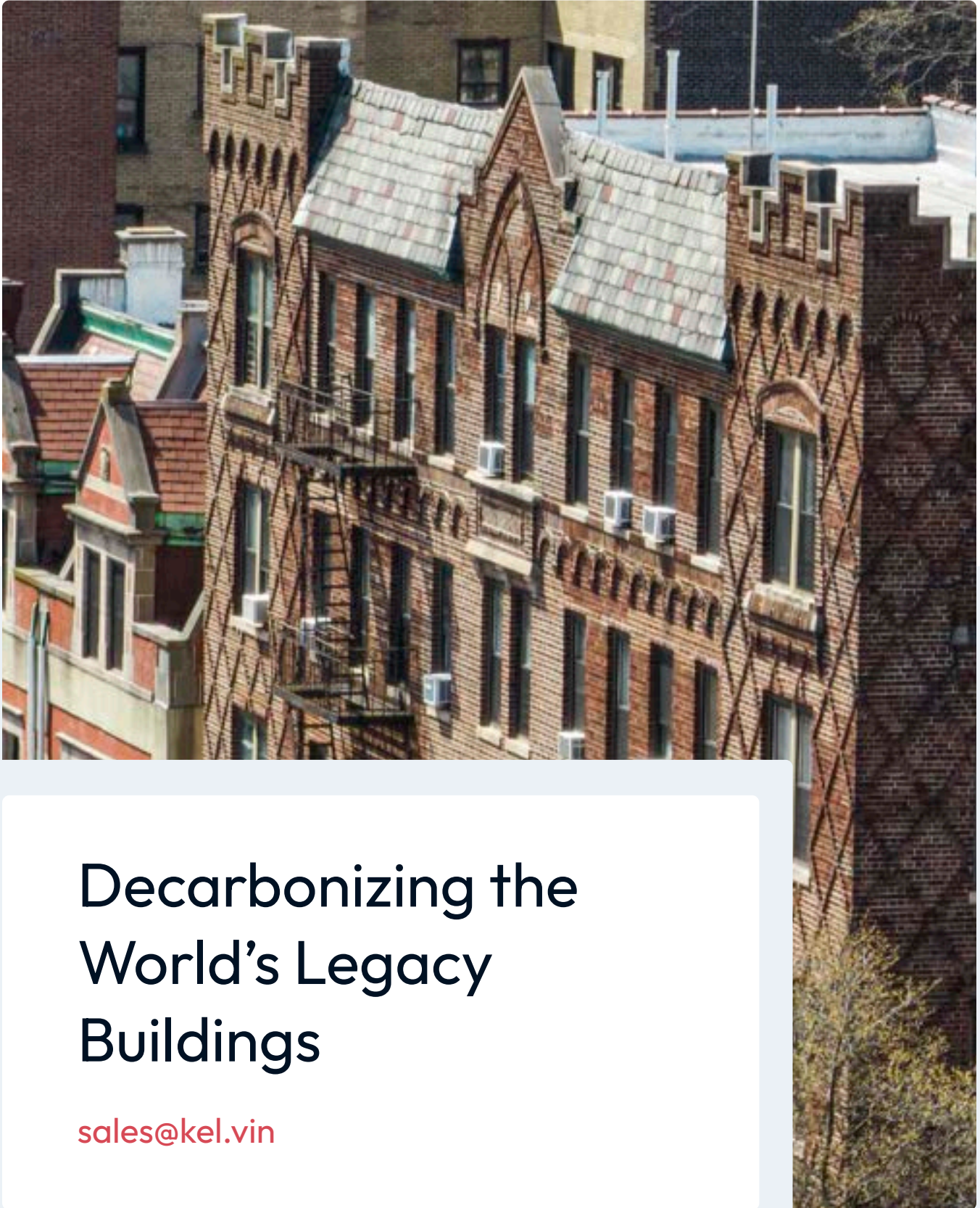# Kelvin

Decarbonizing the World's Legacy Buildings

sales@kel.vin

Radiator heating is a 19th century technology

- Radiator buildings target coldest areas due to municipal guidelines.
- Causes overheating in many areas of legacy buildings.
- Many residents feel excessively hot.
- Windows constantly opened to bring in cold air.

Result: Hugely wasteful, expensive and uncomfortable.

Meet **The Cozy**. It brings radiator heating into the 21st Century. The Cozy provides comfort, control, and flexibility for building managers and residents

The Cozy™

A proprietary insulated radiator cover that traps excess warm air inside.

Onboard Controls

The Cozy enables tenants in radiator heated buildings to control their apartment temperature with the help of an App or manual buttons.

Analytics

Building managers get real-time data with proactive alerts and can control how heat is released into each apartment.

At Kelvin, we're bringing radiator heat into the 21st century

Our proprietary technology, The Cozy, is a modular insulated radiator cover that distributes heat with maximum efficiency to prevent overheating and waste.

The Cozy is simple to install and can integrate with any radiator. It does not interfere with the building's plumbing and takes up no extra space.

How the technology works

The Cozy is **an insulating enclosure** that is installed **over existing radiators** and traps **warm air inside.**

When the system senses that a room needs heat, **a small fan turns** on to **circulate warm air** through the room.
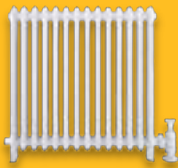
When the **desired temperature** is **reached,** the fan turns off **to trap heat and prevent overheating.**

The result: comfortable rooms, cost savings, and reduced building emissions.

Works with all types of radiators
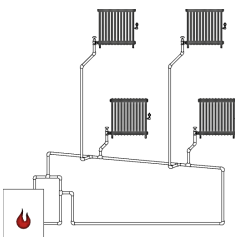
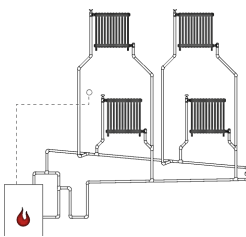| Cast Iron Radiator	Recessed Convector	Baseboard	Wall Mount

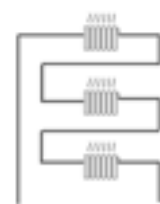# The Cozy is a solution for all types of radiator distribution systems

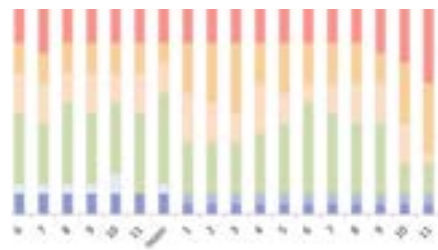| Single Pipe	Two Pipe	Hydronic	Metrosteam
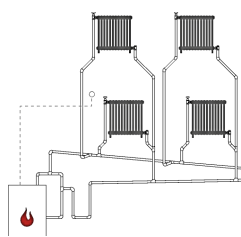
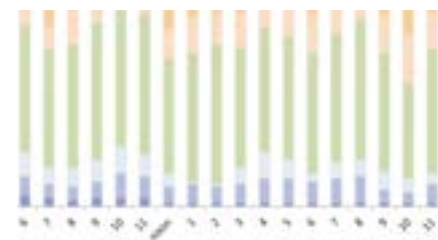# Kelvin provides unprecedented comfort improvements

Installing the Kelvin platform in steam buildings widens period for which indoor air temperature fall within the "comfortable" band.

Kelvin's platform extends the time steam buildings maintain a comfortable indoor air temperature once installed.

January 26, Before Kelvin, 28F

March 6, After Kelvin, 28F

- sauna (above 82 °F)
- hot (78 °F to 82 °F)
- warm (76 °F to 78 °F)
- comfortable (70 °F to 76 °F)
- cool (68 °F to 70 °F)
- cool (68 °F to 70 °F)
- cold (62 °F to 68 °F)
- frigid (below 62 °F)

25 % – 40 %
Average fuel savings

Other efficiency technologies like TRVs or Boiler Controllers, get <10% – 20% *

85 %
Fewer maintenance calls

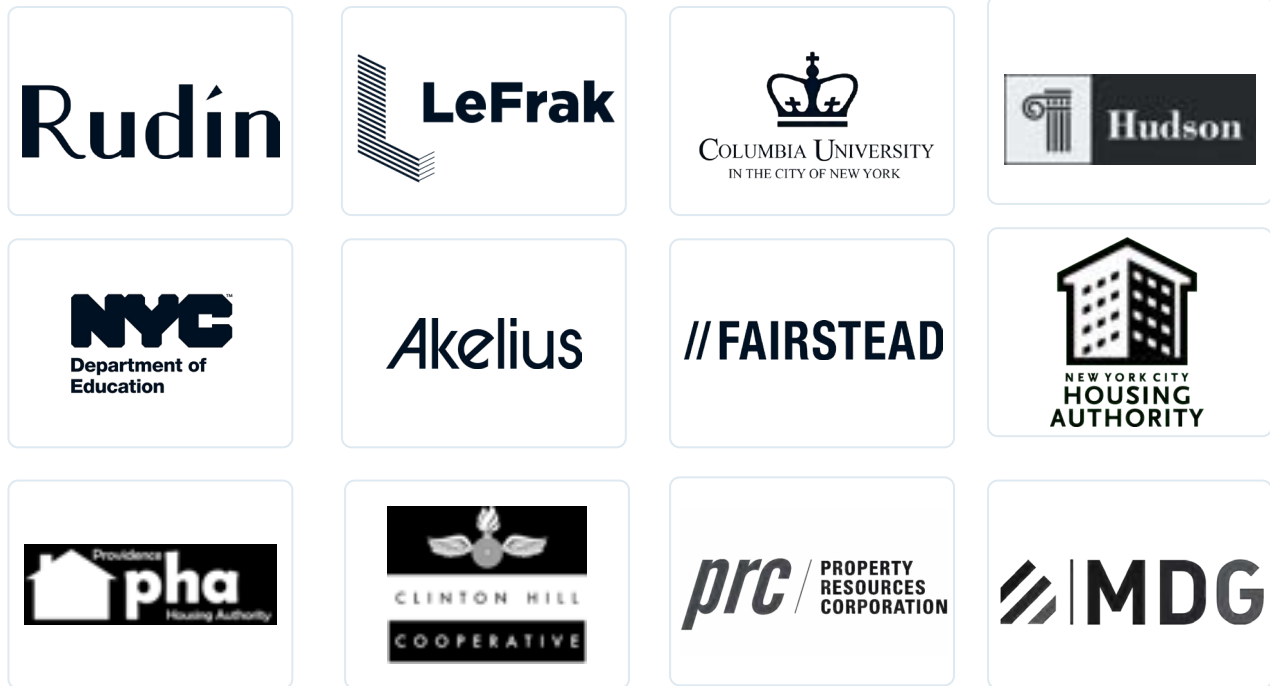Lowers building operating costs and increases resident satisfaction.

95 %
Fewer heating complaints

Resulting in reduced resident turnover.

*NYSERDA Report Number 18–12, May 2018, "A Focused Demonstration Project: The "Cozy" by Radiator Labs"

Customers and awards

Select Customers

Rudín

LeFrak

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

Hudson

NYC Department of Education

Akelius

// FAIRSTEAD

NEW YORK CITY HOUSING AUTHORITY

Providence pha Housing Authority

CLINTON HILL COOPERATIVE

prc | PROPERTY RESOURCES CORPORATION

MDG

Awards

OFFICIAL SELECTION · THE CLEAN FIGHT 2020 · BUILDINGS EDITION

NYC Buildings

2c2i SM

Elemental Excelerator

POPULAR SCIENCE

Architizer A+Awards

MIT CLIMATE & ENERGY PRIZE

Providers

conEdison, inc.

Regulators have validated the Kelvin system

New York Technical Resource Manual

One of two energy efficiency measures for steam heat buildings recognized by the NY TRM.*

Largest savings solution in the 2019 TRM for HVAC control in the residential sector.

NYSERDA Independent Evaluation

NYSERDA** validated **25.5% average billing savings** through use of The Cozy.

Savings are **3x–4x of next best alternative** for steam-heated buildings.

Qualified technology for meeting Local Law 97 emissions requirements

Rebates Available

conEdison

nationalgrid

NEW YORK STATE OF OPPORTUNITY. | NYSERDA

*The Technical Resource Manual (TRM) is a standardized, fair and transparent approach approach to measure energy savings across New York State's energy efficiency programs.
**NYSERDA Report Number 18–12, May 2018, "A Focused Demonstration Project: The "Cozy" by Radiator Labs"

Varied payment options make our platform affordable for all building owners

	Option 1	Option 2
	Upfront	**Subscription**
Upfront Payment	$200–$300/Cozy after rebates Capital cost may be financed at ~8% APR. Immediate tax savings	No money down, No loans, liens, or encumbrances $15 – $20 /Apartment/Month
Annual Savings	15–45% reduction in annual gas bill (on average, 25.5%)	All energy savings (net subscription fee) goes to the customer
Payback	2-7 years	Instant

The Cozy is Your New Amenity

The Cozy is Your New Amenity

Kelvin

Are you ready to save money and energy?

Visit us at www.kel.vin