Moffitt

NATURAL VENTILATION SOLUTIONS

Powered Solutions Guide

Powered Solutions

Moffitt

"We balance power with energy efficiency to find the right ventilation solution for your building."

-John Moffitt

Buying a fan from a catalog is easy, buying the right one is not. There's a lot of questions you need to ask before choosing a powered solution for your building. For instance,

- Do you know how many air changes are required for your work space?
- Have you evaluated how much intake air enters your building?
- What restrictions keep you from providing a better work environment?

Fortunately, Moffitt is here to help you answer these questions. Moffitt has been designing, manufacturing, and installing powered ventilation solutions for decades. Whether you're an architect, engineer, or end-user, Our team will look at the air-flow throughout your facility and help you find the right solution for each space. Don't just pick some fans from a catalog, get the right fan solution from Moffitt.

Natural Ventilation

Direct warm air out and cool air in without powered equipment, by directing the flow of air throughout the interior space.

Many types of building can take advantage of Natural Ventilation.

Hybrid Ventilation

Powered supply and passive exhaust work together to increase air-flow and provide fresh air deep into the building.

It is Ideal for buildings with low roof height and minimal process heat.

Powered Exhaust Ventilation

Powered exhaust fans pull air from the space below. They are often paired with wall louvers or open bay doors to ensure air-flow.

Fans are especially useful in small spaces like work areas or store rooms.

Custom Ventilation

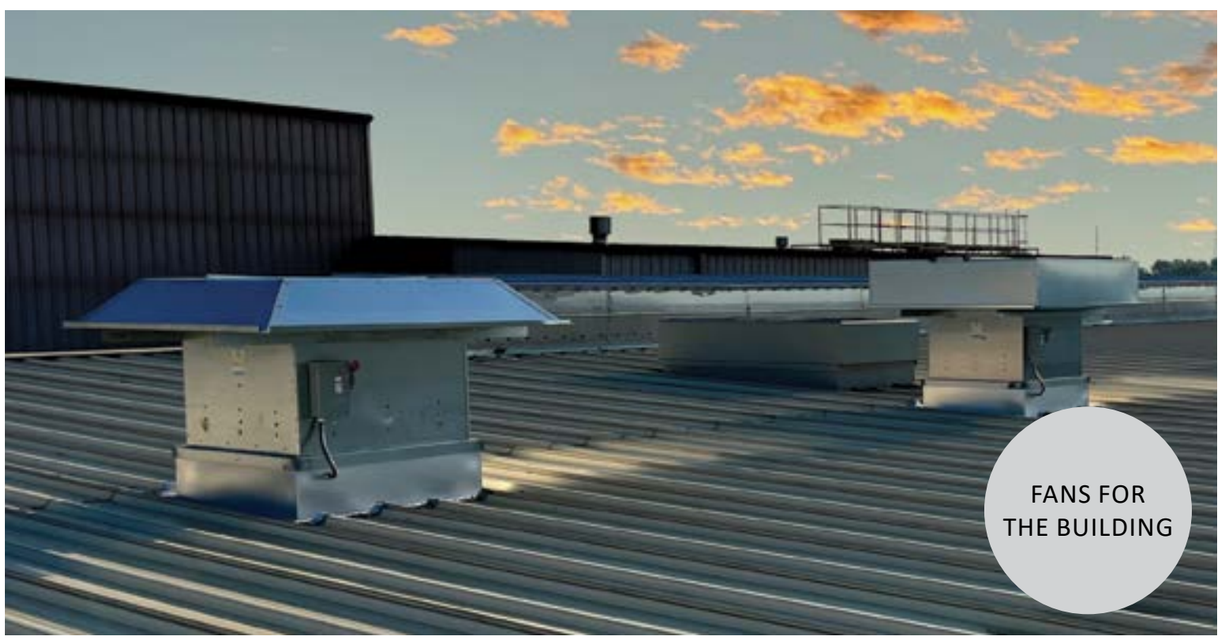
Our team develops custom solutions for facilities of all shapes and sizes. This includes ventilation for specialized facilities, unique process, and more.

Let us find your custom ventilation solution.

Benefits of Powered Ventilation Solutions

- Consistent Stream of Clean, Fresh Air
- Directs Cool Air to Where Its Needed
- Exhausts Heat From Problem Areas
- Removes Heat, Humidity, And Fumes
- Durable, Industrial Housing & Props
- Variable Frequency Drive Controls
- Automated Controls Improve Efficiency
- Dual / Quad Units Boost Overall Airflow

PressureStream HF Hooded Roof Fan



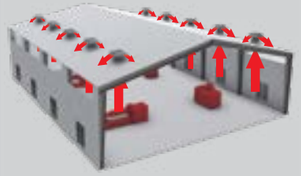
CLIENTS

- Alabama Power
- Gemma Power
- Nestle
- Walnut Creek
- Walker Die Cast
- Waste Management

PressureStream Hooded Roof Fans are designed for commercial and industrial applications. They can be used for warm air exhaust or for powered intake air. Intake air versions often utilize a duct drop to distribute air efficiently.

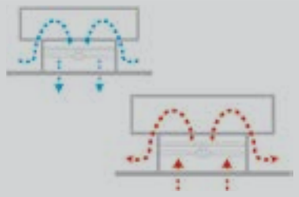
These fans can be fitted onto different roof curbs for mounting on most roof pitches. Many different materials of construction and propeller options provide Moffitt the ability to meet virtually any capacity considerations given. Moffitt also manufactures hooded fans to meet special requirements and dimensional requests.

- Sizes: 24″ thru 120″
- CFM: 500 – 100,000+
- Drive: Direct Drive or Belt Drive
- Prop: FRP blades with cast aluminum hub. Alternate prop materials also available.
- Construction: Galvanized Steel, standard. Aluminum or Stainless Steel, optional
- Warranty: Each unit comes with a 1 year fan and motor warranty.



MOUNTING

Units are mounted on the roof with insulated 100 MPH wind-rated resistant hood covering the fan apparatus. Curbs are available as needed, hood tie-downs are also included.



AIRFLOW TYPE

Roof fans are used for intake or exhaust. Intake configuration often uses a duct drop to introduce cool air deeper into the building.

PressureStream WF Wall Fan

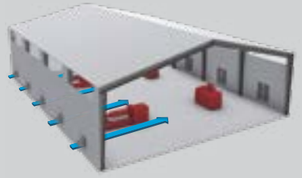
CLIENTS

- AlphaPet
- Allvac
- AMNS
- Borusan Pipe
- iDeal Aluminum
- Lordstowne Energy Center
- Kovatch Castings
- Novelis
- Nucor
- Potters Industries
- Weyerhaeuser

Power Fan industrial axial wall fans are extremely popular for general building ventilation. Their versatility provides great application diversity. Fans are used in both industrial and commercial applications and can be orientated for either supply or exhaust applications.

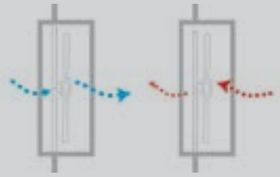
PressureStream wall fans are excellent for providing worker comfort, and spot cooling when used in supply mode. Numerous optional wall fan features offer you flexibility unmatched by any other fan supplier.

- Sizes: 12″ thru 120″
- CFM: 5,000 – 100,000+
- Drive: Direct Drive
- Prop: FRP blades with cast aluminum hub. Alternate prop materials also available.
- Construction: Galvanized Steel, standard. Aluminum or Stainless Steel, optional
- Warranty: Each unit comes with a 1 year fan and motor warranty.



MOUNTING

Units are wall mounted at various heights for intake or exhaust applications. Often affixed with rain hoods for weather protection.



AIRFLOW TYPE

Wall fans are used for intake or exhaust applications. Reversible models available.

UpStream Axial Upblast Fan

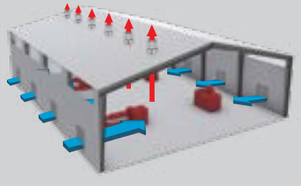
CLIENTS

- Anheuser-Busch
- Canton Galvanizing
- Duke Energy
- Ervin Technologies
- Frito-Lay
- Harpole Steel
- J.W. Aluminum
- Motion Industries
- Pepsico
- Scotch Plywood
- StonePeak
- US Sugar Corp.
- Zinc Oxide
- WestRock

UpStream axial fans are designed for standard-duty building exhaust. These powered ventilators provide continuous air movement by extracting the hot, stagnant air from the work space. Moffitt offers a variety of options for our upblast axial fans.

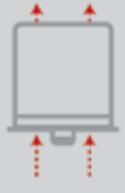
Each model utilizes a statically and dynamically balanced propeller. All galvanized steel construction is standard, but aluminum and stainless steel construction, along with a variety of coatings and finishes is also available.

- Fan Diameter: 6″ thru 120″
- CFM: 5,000 – 100,000+
- Drive: Direct Drive
- Prop: Multiple construction options available.
- Construction: Galvanized Steel, standard. Aluminum or Stainless Steel, optional
- Each unit comes with a 1 year fan and motor warranty.



MOUNTING

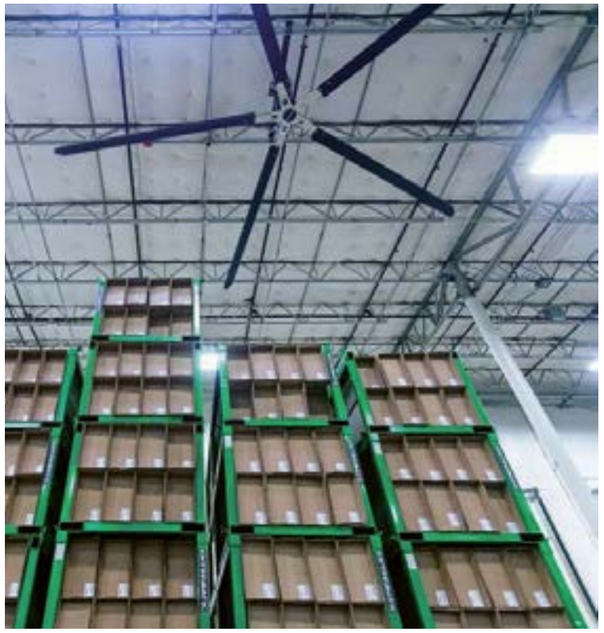
UpStream fans are designed for roof mounting. They align vertically.

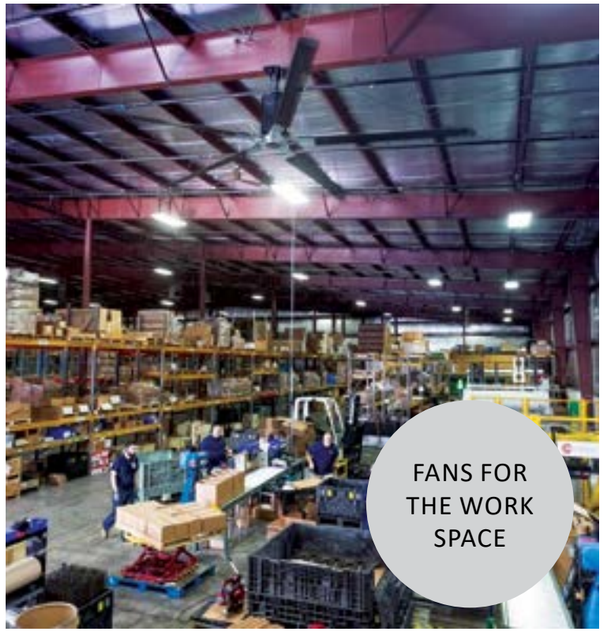


AIRFLOW TYPE

Axial upblast fans are used for intake or exhaust. Intake configuration often uses a duct drop to introduce cool air deeper into the building.

MegaStream High Volume Low Speed Fan





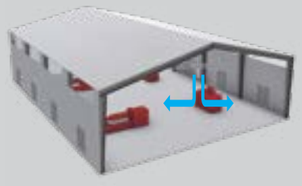
CLIENTS

- Big River Steel
- Heritage Rice Co.

MegaStream high volume low speed fans provide an even stream of air around the warehouse or work area by providing near ground effect air movement Better still, MegaStream fans can enhance your entire facility's current air-flow, reducing the need for additional air-movement equipment.

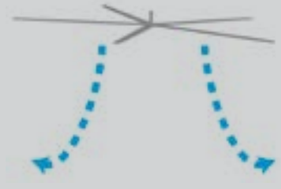
The MegaStream fan's low speed operation means it is energy efficient and noticeably quiet. This efficiency, along with its low price point, make the MegaStream a fantastic low-cost solution for the work space.

- Fan Diameter: 8 ft. - 24 ft.
- Height: Suitable for ceilings as low as 12 feet (3.7m)
- Sound: <55 dBA in most environments
- Certification: UL 507 certification
- Blade: Optimized 5 blade profile for low-speed rotary airfoil application
- Air Throw Distance: 3 - 9 FT.
- Controls: Wired touch screen standard
- Motor: DC motor with no gearbox (optional)



MOUNTING

MegaStream fans are ceiling mounted for high-volume air movement.



AIRFLOW TYPE

High volume, low speed fans steadily move air throughout the entire facility, preventing warm air stagnation.

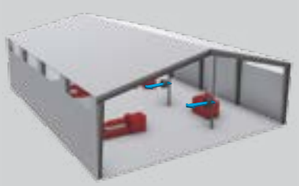
GulfStream Spot Cooler Fan

CLIENTS

- RELEASING SOON

GulfStream air circulating fans provide an even stream of air around the warehouse or work area. These mounted units are often called “spot-cooler” fans because they focus a high-velocity stream of air directly onto factory personnel. These units are fairly low-cost with minimal work for installation.

- Fan Diameter: 24″ thru 120″
- CFM: 2,690 - 12,050, at 1725 RPM
- Drive: Direct Drive
- Prop: High-performance zinc-aluminum
- Construction: 14 gauge steel fan housing coated with a thermally fused powered Polyurethane finish
- Air Coverage: 1,800 - 12,000 ft.^{2}
- Air Throw Distance: 60 - 200 ft.



MOUNTING

GulfStream fans are wall or column mounted with easy positioning adjustment.

AIRFLOW TYPE

Air circulating fans emit a cool stream of air directly towards in front of the mounting column.

JetStream Hanging Circulator Fan

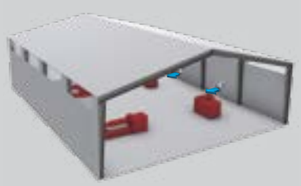
CLIENTS

- RELEASING SOON

JetStream hanging circulator fans introduce large volumes of air into tight spaces like corners or between storage racks. The tube shaped air tunnel concentrates the flow of air, allowing it to travel farther into these specific work spaces.

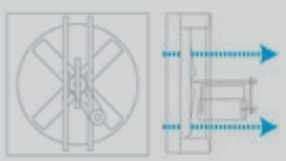
JetStream fans are high-capacity, economical, easy to install, and simple to maintain. They are ideal for manufacturing, warehouses, equipment rooms, distribution centers, and more.

- CFM: 21,700 CFM
- Drive: Belt
- Power: 1.5 HP
- Propeller: Statically and Dynamically Balanced
- Blades: Die-formed Galvanized Steel Blades
- Construction: Heavy-gauge Galvanized Steel
- Motor & Drive Support: All-Welded Galvanized Steel
- Warranty: 2 Year Fan, 1 Year Motor



MOUNTING

JetStream fans are hung from the ceiling. They are easily relocated to coincide with building layout changes.



AIRFLOW TYPE

Air circulating fans emit a cool stream of air directly towards the area in front of the unit.

DualStream Double Make-Up Air Unit

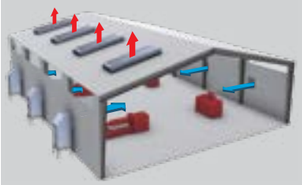
CLIENTS

- Big River Steel
- Hawaii Electric Light Company (HECO)

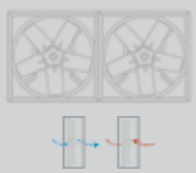
DualStream industrial axial wall fans are an excellent way to increase airflow within the building. The two fans are linked side-by-side, to offer great air movement with limited space.

In fact, the DualStream has been specifically developed to be utilized in buildings with limited free wall area.

- Fan Diameter: 36" - 48"
- CFM (total): 36" = 40,000 CFM, 48" = 53,750 CFM
- Drive: Direct
- Fans per Unit: 2
- Motor: 5 HP per unit, 10 HP total
- Prop: Fiberglass reinforced polypropylene blades, cast aluminum hub
- Construction: Galvanized steel
- Finish: Unpainted (mill finish)



MOUNTING
Units are ground mounted to introduce air near floor level.



AIRFLOW TYPE
Dual units send twice the power of a single fan into a building for intake air and make-up air.

QuadStream Quadruple Make-Up Air Unit

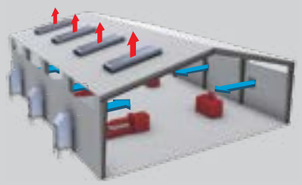
CLIENTS

- AM/NS
- Big River Steel
- Exal Aluminum

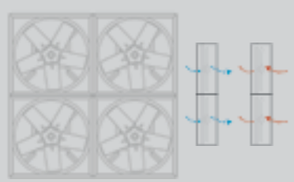
QuadStream industrial axial wall fans can quadruple the airflow in your building. By linking four fans together, the total air movement increases by a magnitude of four and greatly improves building conditions.

Designed especially for facilities with limited free wall space, the QuadStream offers maximum air-flow without significantly increasing the unit footprint.

- Fan Diameter: 36" - 48"
- CFM (total): 36" = 80,000, 48" = 107,500
- Drive: Direct
- Fans per Unit: 4
- Motor: 5 HP per unit, 20 HP total
- Prop: Fiberglass reinforced polypropylene blades, cast aluminum hub
- Construction: Galvanized steel
- Finish: Unpainted (mill finish)



MOUNTING
Units are ground mounted to introduce air near floor level.



AIRFLOW TYPE
These quad units send twice the power of a single fan into a building for intake air and make-up air.

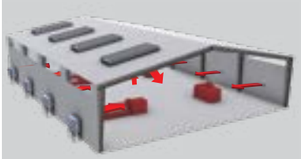
HeatStream Heated Make-Up Air Unit

CLIENTS

- AK Steel
- Arcelor Mittal
- Bechtel
- Graymont PA Inc.
- LeSueur
- Nucor
- Novelis
- Stillwater Mining
- Voestalpine

HeatStream direct fired heater is used to introduce high volumes of heated make-up air (MUA) into a building. Units are designed for outdoor or indoor mounting. All units are ETL labeled.

- CFM: 1,600 to 100,000
- Burner range: 131,000 BTUH to 14,000,000 BTUH
- Construction: Galvanized Steel
- Motors: TEFC or ODP motors
- Burner: ETL burner
- Access: Hinged access door
- Visual Access: Flame observation port
- Mounting: Horizontal or vertical mounting



MOUNTING

Units are ground mounted to introduce heated air near floor level. Dampers on the vent are closed to keep the warm air in.

AIRFLOW TYPE

Heat enable make-up air units provide heating for cold facilities by pushing direct-fired, warm air deep into the building.

DeltaStream Adiabatic Natural Cooling Unit

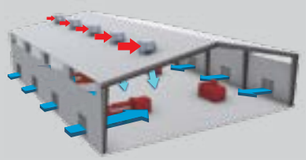
CLIENTS

- EJ USA
- Kong Company
- Kovatch Castings
- Novelis
- OI
- Packaging Corporation of America
- Westrock

DeltaStream natural cooling can lower air temperatures in your building up to 30°F below ambient conditions. In fact, a single DeltaStream natural cooling unit can move up to 16,800 CFM of air by itself.

This adiabatic cooling is the next evolution of evaporative cooling technology. It provides cool air with greater hygiene protocols and superior building management system integration. The units use direct drive commutating motors to reduce maintenance and increase efficiency. Each unit is constructed of aluminum to reduce weight, improve durability, and eliminate corrosion. Units ship factory assembled.

- CFM: 16,800 CFM
- Drive: Direct drive, commutating variable speed motors
- Construction: Aluminum casing
- Medium: High efficiency cellulose medium
- Tubing: Polypropylene tubing
- Mounting: Roof or wall mounting available.



MOUNTING

DeltaStream units are roof mounted. Ducting or duct socks are standard. Floor mounted units with wall intake are coming soon.

AIRFLOW TYPE

Adiabatic cooling units introduce water chilled air into the work space.

And more... Support Solutions

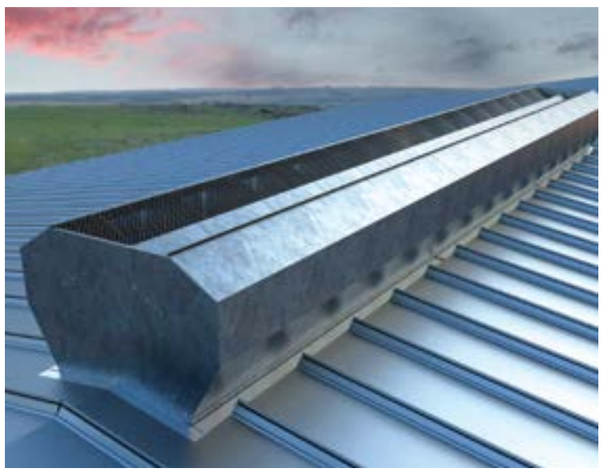
Moffitt

MatrixVent

MatrixVent low profile ventilators are a light-weight way to exhaust warm air. They are 100% aluminum and designed for industrial applications where low structural impact is desired.

MoffittVent

MoffittVent™ natural ventilators are the most effective and efficient natural ventilation devices available. This large capacity ventilator exhausts large volumes of warm air.

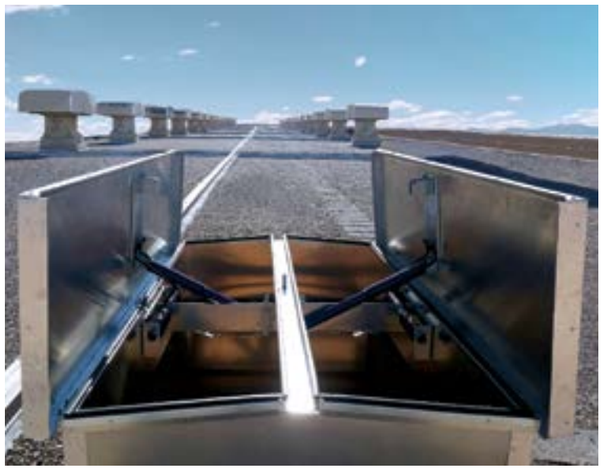


RidgePac

RidgePac natural ventilators exhausts heat through the building roof to make the facility cooler and more comfortable. Each unit ships assembled in 10 ft. sections for easy installation. A damper is available.

Controls

Control systems are a vital component in any automated ventilation system. They can be used for tandem operation of multiple units or to integrate several different products together.



Firex Heat & Smoke Vent

Moffitt Firex™ smoke vents automatically exhaust heat and smoke during a fire. Aluminum lids are UL listed and FM Approved. Each unit ships fully assembled for quick rooftop installation.

LightStream

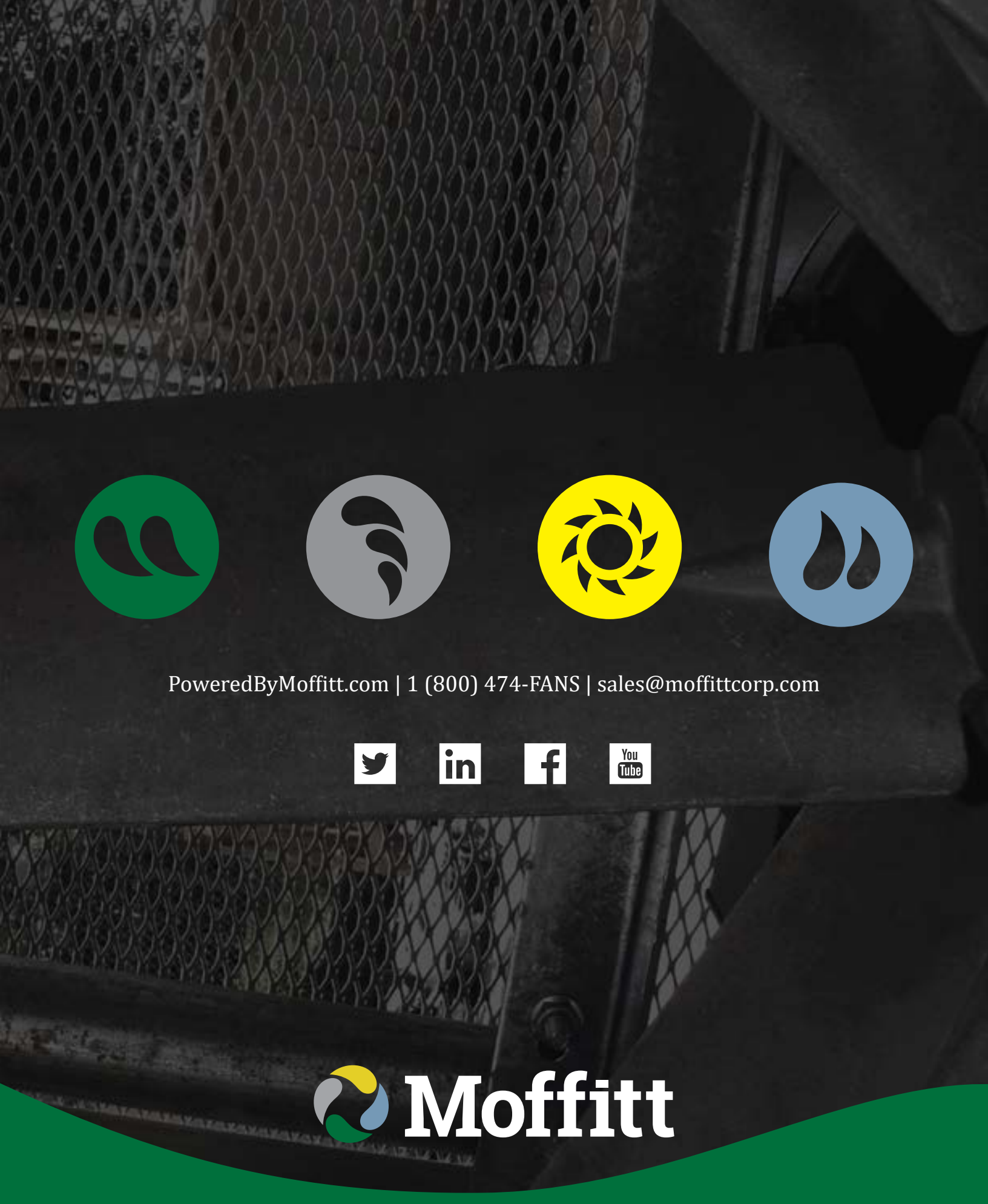
LightStream hinged window vents are designed for commercial and industrial applications. It can be used for either supply air (when mounted low) or exhaust (when mounted high).

TriadVent

The TriadVent™ is a tri-purpose device that provides open-air natural ventilation, rain protection, and natural daylighting. When the flaps are open warm air exhausts from the building, cooling it down.

Maintenance

Moffitt offers ongoing maintenance for ventilation systems of all shapes and sizes. This includes powered and natural ventilation systems that may need some additional attention.



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