



## ABOUT RISEECOVENT

Riseecovent Products provides effective ventilation which increases comfort, productivity, energy efficiency and daylighting at work place or other commercial buildings. Our Products also directly or indirectly help customers to comply with regulatory requirements in certain way.

Riseecovent is headquartered in Thailand we specialize in providing Ventilation, Daylighting systems, Skylights solutions for various industries. To cater to the growing demand of all Roof Ventilation & daylighting system for industrial & commercials purposes we are actively increasing our presence in supplying in UAE, Saudi Arabia, Qatar, Kuwait, Jordan, Iran, Turkey, Egypt, Lebanon, Bahrain, Oman, Djibouti, Kenya, Nigeria, Togo, Libya, Ethiopia, India, Vietnam, Indonesia, Malaysia, Cambodia, Myanmar & Srilanka

### INDUSTRIES WE CATER TO

---

- ✔ Pharmaceutical
- ✔ Warehouses
- ✔ Manufacturing Plants
- ✔ Chemical plants
- ✔ Automotive plants
- ✔ Animal husbandry and Poultry farms
- ✔ Paints & Adhesives
- ✔ PSUs

## PRODUCTS RANGE

We have range of ventilation products backed by years of manufacturing, research and product development experience. Our products are designed to reduce heat build- up and manage healthier air.

Inner Dia.(C) Model no.	Body Dia. (A)	No. of Blades	Height (B)	Weight (Kg)	VELOCITY OF WIND (KM / HR)	Capacity ( cubic metre/hr )			
						14"	22"	24"	25"
14"	475mm	22	420mm	3.1	6	1,225	1,925	2,100	2,187
22"	675mm	36	470mm	5.1	8	1,644	2,582	2,817	2,934
24"	700mm	39	470mm	5.6	10	1,816	2,853	3,113	3,242
25"	750mm	41	480mm	5.7	12	2,000	3,141	3,428	3,570

### Design & construction :

- ✔ It is fitted with stainless steel thrust bearing warehouses
- ✔ Its double top cap ensure permanent alignment in inverted cap design
- ✔ The corrugated foil framed vanes gives rigidity strength, air flow and provides protection against weather changes
- ✔ These ventilators have highly sensitive roller bearing system, housing upper & lower bearings
- ✔ Drives out dust soil grit and foreign material that retains complete lubrication in the unit
- ✔ Available in fabrication from aluminum - stainless steel - copper metal
- ✔ Aluminum turbo ventilators with stainless steel spiders and shaft assembly

### Product Features :

- ✔ Precise designing
- ✔ Sturdy construction
- ✔ Low maintenance
- ✔ Easy to operate
- ✔ High efficiency
- ✔ Compact design
- ✔ Innovative designs
- ✔ Long service life



## ABOUT THE PRODUCT

Our products are manufactured using optimum quality raw material produced from authentic vendors as per the industrial quality standards. We offer wide range of ventilators, backed by our manufacturing expertise, research and product development experience. Riseecovent specializes in manufacturing Roof Ventilators & Wind Driven Ventilators

### ROOF VENTILATORS

Roof ventilators are totally weather-proof, dust and leak proof. They can withstand extreme climatic conditions and high wind velocities. These ventilators are rigid, light in weight & can be mounted on any existing industrial roof without disturbing the original structure. The centrifugal force of these ventilators spins the vane and creates low pressure region that sucks and drives out hot air from below. This causes the fresh cool air from outside to come in the slightest air current which cause the turbine to spin and stored energy keeps the ventilators running continuously.



### WIND DRIVEN VENTILATORS

Wind driven ventilator enhances the natural ventilation in factories, warehouses & other industrial and commercial facilities. These air ventilators work on wind energy as rotating power to induce air flow inside; thus, require zero maintenance and operational cost.

### RISEECO POWER VENTILATORS

These ventilators are one of the best ventilators in terms of removing the greatest volume of hot and/or humid air, which in turn will help customers save more on energy costs. These ventilators are highly energy efficient and available with optional adjustable humidistat for maximum control.

---

#### Material :

The choice of vane material, size, quantity and layout of installation depends on various factors such as wind velocity, environmental conditions, size and location of the building, profile of the roof, activity in the building & number of air changes required. The ventilators are available in both Aluminum and Stainless Steel versions. Our unique Aluminum vane design loaded on special grade steel pins with bearings; prevent wear and tear while in rotation. The customer has a choice of either Steel or Fiberglass for the base frame.

#### Range :

Roof ventilators ranging from 14" to 36" sizes are available which are recommended after considering the above factors. The ventilators are also designed in a way that prevents leakage and down draft into the building allowing air entry from the side openings.

# INDUSTRIAL ROOF VENTILATOR WITH MOTOR



## Characteristics :

- ✔ Attractive feature and pleasant operation
- ✔ Good wind and rain protection
- ✔ Easy installation and maintenance

## Application :

- ✔ It can be installed everywhere such as schools, hospitals, meetingrooms, shopping centers, theaters, hotels, canteens etc.
- ✔ It can also be used to remove odour, dust and insect from the factory.
- ✔ It is normally installed in testing room, mechanical workshop and chemical making factory.

## Specifications :

Model	Power (HP)	Rotation Speed (RPM)	Voltage (V)	Current (A)	Weight (KG)
RPV 165	1/2	1420 / 970	380 V	1.0 V	33

## Wind Capacity ( according to the pipe diameter ) m<sup>3</sup> / min

0 mm	3 mm	6 mm	10 mm	13 mm	16 mm	19 mm	22 mm	25 mm
75	71	67	62	59	54	48	42	39

# PRODUCT DETAILS

Model Details	RPV 165	RPV 170
Basement Size	Square 63x63 cm not included roof	Square 76x76 cm not included roof
Top Cover Size	Circle 98 cm	Circle 94 cm
Air Volume	4500 m3/hr	18000 m3/hr
Power	0.5 HP	1.5 HP
Voltage	380 V	380 V
Current	1 Ampre	2.8 Ampre
Body Material	Fiberglass	Fiberglass
Weight	33-38 Kg	55-65 Kg

Size of the Air Ventilator :

Dimension Model	Wind Pipe (A) (mm)	Motor Cover (B) (mm)	Width (C) (mm)	Length (D) (mm)	Height (E) (mm)
RPV 165	670 x 670	965	1,000	1,500	1,000





## EXPANDING OUR PRODUCT RANGE

The Baggi-Lux company of Bernezzo, in the Province of Cuneo, specializes in the sale and installation of lighting systems with advanced and energy-saving technologies. From fiberglass skylights to smoke and heat evacuators, from light transporters to opening devices, the catalog of the Piedmontese company is extremely diversified rich in proposals of the highest technological value.

In 1992 the Baggi Lucernarisrl was founded, through a process of transformation and renewal that has never failed, brings with it the experience acquired over the years and optimizes the use of technological and production resources by unifying the control processes. In over forty years of activity, quality improvement has been pursued as a peculiar feature using increasingly advanced resins, fibers and methodologies.

In 2012 BAGGI-LUX srl introduced the new Solarpipe-Lux® and Powerpipe-Lux® products to the market: tubular skylights with "transport" of light. The Solarpipe-LUX® is intended primarily for civil and office environments. The Power-LUX® is used for lighting large commercial and industrial environments.

## SKYLIGHTS & OPENING DEVICES



**BAGGI-LUX produces a series of very well differentiated skylights to adapt to all market demands and regulations in force:**

- ✔ **SUNLIGHT-PC Dome** (UNI EN 1873: 2014).  
Class B-s1-d0 (UNI EN 13501-1:2009)
- ✔ **SUNLIGHT-PC Modular units** (UNI EN 14963:2007)  
Class B-s1-d0 (UNI EN 13501-1:2009).
- ✔ **SUNLIGHT-MULTI-WALL Dome** (UNI EN 1873: 2014).  
Class B-s1-d0 (UNI EN 13501-1:2009).
- ✔ **SUNLIGHT-MULTI-WALL Modular units**  
(UNI EN 14963:2007) Class B-s1-d0
- ✔ **ULTRALIGHT Dome** (UNI EN 1873: 2014).  
Class B-s1-d0 (UNI EN 13501-1:2009).

The production of the skylights can be made with square, rectangular, circular and modular shapes. **Possibility to produce according to the customer's needs. All our Skylights are CE compliant according to (EN 1873: 2014, UNI EN 14963:2007).**

Possibility to make every skylight openable through extruded profile frame and sub-frame made of natural anticorrosive aluminium alloy EN-AW 6060 T4-T5-T6 (UNI EN 12020-2:2008).

- ✔ **Thermal transmittance ( $U_f$ )  $\leq 7,00 \text{ W/m}^2\text{K}$  (UNI EN ISO 10077-1:2007):**
- ✔ **MANUAL:** opening by jack with worm screw and standard 300 mm stroke.
- ✔ **ELECTRICAL:** opening driven by 230 Vac or 24 Vdc electric motor with standard 300 mm stroke.
- ✔ **ELECTRIC WITH 2 or MORE PUSHING POINTS:** opening by No. 1 or more 230 Vac or 24 Vdc electric motors, linked together with connecting bar and No. 1 or more racks, 550 mm standard stroke (On request 350,750,1000).
- ✔ **ROOF EXIT HATCH:** manual opening with gas springs with  $\geq 70^\circ$  angle. Possibility to manufacture THERMAL CUT frames (Italian Legislative Decree 192/05, Italian Legislative Decree 311/06, Italian Presidential Decree 59/09, Directive 2010/31/EU).



The Natural Smoke and Heat Exhaust ventilator S.H.E.V. "SunSmoke 2000V-EVO", made with the characteristics specified in the standard (UNI EN 12101-2: 2004), with CE Certificate No. 0497/CPR/4454 pursuant to the Construction Products Directive 89/106/EEC, as amended by the Directive (CPD) 93/68/EEC, European Regulation (CPR) 305/2011/EU, consists of:

## HORIZONTAL SHEV

✔ Extruded profile frame and sub-frame made of natural anticorrosive aluminium alloy EN-AW 6060 T4-T5-T6 (UNI EN 12020-2: 2008), assembled by caulking, complete with special hinges, snap-in seal gasket and aerstop gasket made of EPDM Class M1 F1 (UNI EN 13501-1:

✔ Patented telescopic structure supporting the opening system made of CNC press-bent steel sheet, thickness 2-3 mm, FE 360 D S235J2 (UNI EN 10025: 2009), laser processed and powder coated with enamel RAL 2010

✔ Cylinder overall dimensions 40 cm (SHEV 700-1000), 45 cm (SHEV 1001-1300), 57 cm (SHEV 1301-1600)

✔ High-pressure CO<sub>2</sub> cylinder - 40 gr (SHEV 700-1000) - 80 gr (SHEV 1001-1300) - 150 gr (SHEV 1301-1600)

✔ SELECTOR thermal valve with thermo-sensitive element and standard calibration at 68 °C 93°-141°-182° available on request) that is remotely operable by means of pyrotechnic or electromagnetic actuator provided separately, controlled by a dedicated manually operated (emergency button) or automatically operated (smoke detection system) control unit or by the existing cylinders box with manual valve

✔ Telescopic cylinder supply tubes - selector valve made of PTFE with thin wall covered with AISI 304 stainless steel double wire braid



✔ Manual opening from the outside for maintenance and periodic inspections

✔ Lock in fully open position carried out by the selector valve to prevent accidental closing under the action of the wind in the event of fire

✔ Classification: Reliability Re300, Opening under load SL900, Low environment temperature T (00), Wind load WL1500, Heat resistance B300

✔ Thermal transmittance ( $U_f$ )  $\leq 7,00$  W/m<sup>2</sup>K (UNI EN ISO 10077-1:2007)

✔ Opening angle = 145°

✔ Clear span cm B \_\_\_\_ x \_\_\_\_ L

✔ SGA (Av) m<sup>2</sup> \_\_\_\_

✔ SUA (Av) m<sup>2</sup> \_\_\_\_



The vertical window equipped with Natural Smoke and Heat Exhaust ventilator S.H.E.V. "SunSmoke 2000V-EVO", made with the characteristics specified in the standard (UNI EN 12101-2: 2004), with CE Certificate No. 0497/CPR/4602 pursuant to the Construction Products Directive 89/106/EEC, as amended by the Directive (CPD) 93/68/EEC, European Regulation (CPR) 305/2011/EU, consists of:

## VERTICAL SHEV

- ✔ Extruded profile frame and sub-frame made of natural anticorodal aluminium alloy EN-AW 6060 T4-T5-T6 (UNI EN 12020-2: 2008), assembled by caulking, complete with special hinges, snap-in seal gasket and aerstop gasket made of EPDM Class M1 F1 (UNI EN 13501-1: 2009), including installation accessories.
- ✔ Patented telescopic structure supporting the opening system made of CNC press-bent steel sheet, thickness 2-3 mm, FE 360 D S235J2 (UNI EN 10025: 2009), laser processed and powder coated with enamel RAL 2010
- ✔ No.1 4-stage DOUBLE ACTING telescopic cylinder, 1st stage 80-100 mm bore, 2nd stage 63 mm bore, 3rd stage 50 mm bore, 4th stage 32 mm bore with decelerator, (enables opening and reclosing from the ground by remote box)
- ✔ Cylinder overall dimensions 40 cm (SHEV 700-1000), 45 cm (SHEV 1001-1300), 57 cm (SHEV 1301-1600)
- ✔ High-pressure CO2 cylinder - 20 gr
- ✔ SELECTOR thermal valve with thermo-sensitive element and standard calibration at 68 °C (93°-141°-182° available on request) that is remotely operable by means of pyrotechnic or electromagnetic actuator provided separately,



controlled by a dedicated manually operated (emergency button) or automatically operated (smoke detection system) control unit or by the existing cylinders box with manual valve.

- ✔ Telescopic cylinder supply tubes - selector valve made of PTFE with thin wall covered with AISI 304 stainless steel double wire braid
- ✔ Manual opening from the outside for maintenance and periodic inspections
- ✔ Lock in fully open position carried out by the selector valve to prevent accidental closing under the action of the wind in the event of fire

FRONTAL COVERAGE MASKING obtained from original synthesis multi-wall polycarbonate flat plate (type LEXAN®, Makrolon®) anti-hail reinforced, UV protected to minimize the tendency to yellowing over time. Transparent colour. Thickness 16 mm, weight 2.8 kg/m<sup>2</sup>, Class B-s1-d0 (UNI EN 13501-1:2009). Fitted with prepainted/aluminium perimeter press-bent flashings B/G 8/10, DX51D Z150 AN (UNI EN 10346:2009 ASTM A653). Equipped with aerstop seal gasket made of EPDM, Class M1 F1 (UNI EN 13501-1:2009), including installation accessories.

---

✔ Classification: Reliability Re300, Opening under load SL0, Low environment temperature T (00), Wind load WL1500, Heat resistance B300

✔ Thermal transmittance (U<sub>g</sub>) ≤ 1,80 W/m<sup>2</sup>K

✔ Acoustic insulation (dB) ≤ 18

✔ Thermal transmittance (U<sub>f</sub>) ≤ 7,00 W/m<sup>2</sup>K

✔ Opening angle = 90°

✔ Thermal transmittance (U<sub>w</sub>) ≤ \_\_\_\_ W/m<sup>2</sup>K (from 2.41 to 3.21)

✔ Clear span cm B/H \_\_\_\_x\_\_\_\_ L

✔ Light transmittance (LT%) ≤ 60

✔ SGA (A<sub>v</sub>) m<sup>2</sup> \_\_\_\_

✔ Solar factor (SF%) ≤ 62

✔ SUA (A<sub>v</sub>) m<sup>2</sup> \_\_\_\_

✔ Transparency coefficient (SC%) ≤ 0.71

---

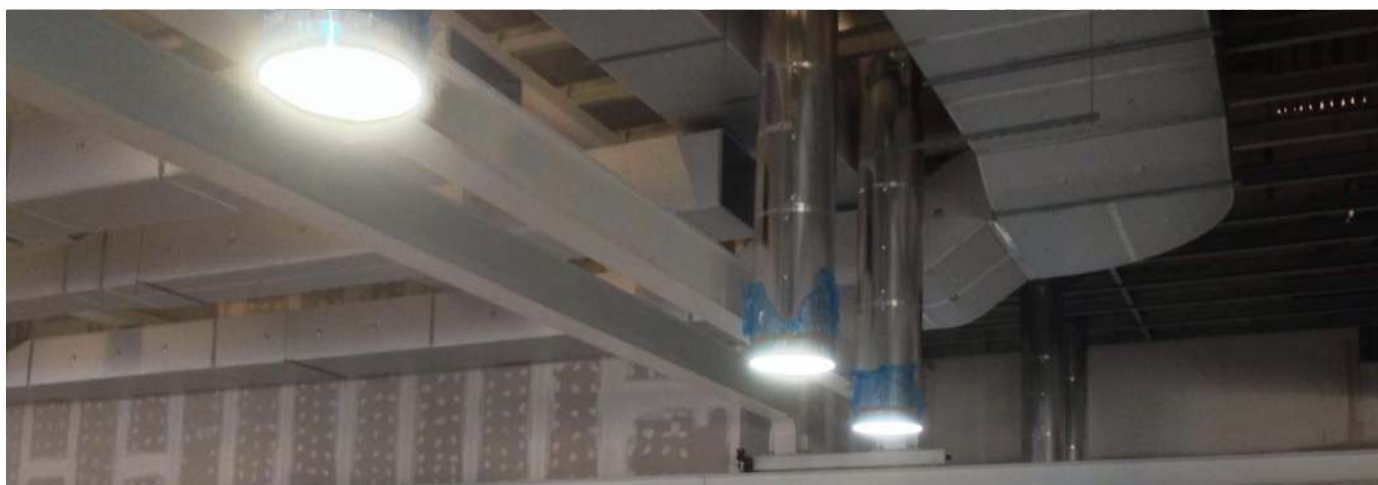
Accessories: 24 Vdc pyrotechnical, 24 Vdc electromagnet, single zone SHEV control unit 2A-1-1 PSM glass break button, CO<sub>2</sub> (NF).

---





## DAYLIGHTING SYSTEMS



### SOLAR PIPE LUX

Solarpipe-LUX system is an innovative dome device with fixed light catching reflector facing at SOUTH which guarantees the greatest light contribution throughout the day.

This system allows the highest provision of light possible, in every single environment, both on sunny and cloudy days. The light catching dome (UNI EN 1873:2006) is made of compact shockproof polymethylmethacrylate (PMMA RESIST); the exposed part is naturally protected against UV rays. This system is able to offer several advantages:

- 
- ✔ Light cone projection without shadows.
  - ✔ Almost inexistent solar radiation and directly proportional to the length of the duct.
  - ✔ Considerable electricity saving if combined with a twilight control management system.
  - ✔ Compact and not invasive sizes and volumes.
  - ✔ Possibility to be installed on roof or wall in case the latter is facing SOUTH.
  - ✔ Possibility of light engineering report with calculation of the average supplied LUX as required by the standard called ADF (average daylight factor) that requires the amount of LUX produced.
- 

Solarpipe-LUX consists mainly of tubular conduits which through a highly specular inner surface carry light inside any building up to the required point, along many meters without losses. A static conveying system (reflector) facing SOUTH is installed under the dome to improve light catching.

At the end of the duct path and at the arrival into the room to be lighted (also with horizontal path) the ceiling fixture diffuses light in the environment: ceiling fixture available, on request, with different optical effect acrylic diffusers. Available diameters of the Solarpipe-LUX are: Ø160 - Ø250 - Ø350 - Ø550

✔ Solarpipe-LUX system can be integrated with some kits:

✔ LIGHT KIT to allow the ceiling fixture to be used as an artificial light point to be used at night or when extremely dark.

✔ BLIND KIT able to regulate the flow of light through the electrical control of a simple "butterfly" valve adjustable at the closure.

✔ Bifurcated TANDEM KIT whose ducts are split under a single oversized dome allowing two paths simultaneously.

✔ SUCTION KIT with air exchange function, complete with electric motor and flexible pipe for exhaust to the outside.

## PRODUCT RANGE

PERFORMANCE COMPARISON			
KIT	Path / m	M2 / ilum.	Lumen
Ø 160 4,5	(loft + 1st floor)	9,00	3000 Lumen
Ø 250 7,5	(loft + 2st floor)	15,00	4000 Lumen
Ø 350 10,5	(comble + 3E)	25,00	8000 Lumen
Ø 550 15	(environ 5E)	35,00	19000 Lumen
Powerpipe-LUX 700x700	Cf. tableau des performances		

Refers to a straight path and / or with small deviations; the positioning height is fixed at 3 m from the walking floor; the Lumen value expresses the Maximum value available in clear summer days.



## DAYLIGHTING SYSTEMS



### POWER PIPE LUX

Powerpipe-LUX system is an innovative device with a dome reflector collection furniture which guarantees the greatest light contribution throughout the day. The tracking system with GPS guidance located on the skylight that continuously moves the reflector in the best position to obtain the best reflection of light inside each individual device. A little solar panel, in the system, transforms sunlight into electricity that will be transferred to the moving mechanism. Mirror angle catches sunlight even at medium/low angles of inclination. More devices can communicate to each other through a mother cell so that all systems are perfectly synchronized with each other.

- 
- ✔ Light cone projection without shadows and with high lighting performance.
  - ✔ Possibility of light engineering report with calculation of the average supplied LUX as required by the new ADF (average daylight factor) standard that requires the amount of LUX produced.
  - ✔ Almost inexistent solar radiation and directly proportional to the length of the duct.
  - ✔ Considerable electricity saving if combined with a twilight control management system.
- 

Powerpipe-LUX consists mainly of tubular conducts which through a highly specular inner surface carry light inside any building up to many meters without losses. Otherwise to other skylight on the market, our system chases the sun so as to increase efficiency.

For this reason, Powerpipe-LUX will bring the most possible light to your interior space. The Powerpipe-LUX System is available in the following sizes:

🌱 mm 700x700

🌱 mm 1200x1200

The Powerpipe-LUX System can be integrated with: BLINDING KIT able to regulate the flow of light through the electrical control of a simple "butterfly" valve adjustable at the closure. Powerpipe-LUX is a new generation product, that allows achieving better life quality and significant energy savings.

Working surface height m	Illuminated area involved by the measurement with 1200x1200 Powerpipe-LUX device						
	44 m <sup>2</sup>	52 m <sup>2</sup>	61 m <sup>2</sup>	71 m <sup>2</sup>	81 m <sup>2</sup>	92 m <sup>2</sup>	104 m <sup>2</sup>
	LUX values measured from the walking floor; the Lumen value expresses the MAXIMUM value available in clear summer days						
2,4	590	540	440	390	340	290	250
3	570	530	430	380	330	290	250
3,6	560	510	420	370	330	280	240
4,2	550	500	410	360	320	270	230
4,2	530	480	400	360	310	270	230
5,4	520	470	390	350	310	260	220
6	510	460	380	340	300	260	220
6,6	500	460	370	330	290	250	210
7,2	490	450	370	320	290	240	200
7,8	480	440	370	310	280	240	200
8,4	470	430	360	310	270	240	200
9	460	420	350	300	270	230	190
9,6	450	410	350	300	260	230	190
10,2	440	410	340	290	260	220	180
10,8	440	400	330	290	260	220	180
11,4	440	400	330	280	250	220	180
12	430	390	320	280	250	210	170
12,6	430	390	320	280	250	210	170
13,2	430	390	320	280	250	210	170

Working surface height m	Illuminated area involved by the measurement with 700x700 Powerpipe-LUX device						
	26 m <sup>2</sup>	30 m <sup>2</sup>	36 m <sup>2</sup>	41 m <sup>2</sup>	45 m <sup>2</sup>	50 m <sup>2</sup>	58 m <sup>2</sup>
	LUX values measured from the walking floor; the Lumen value expresses the MAXIMUM value available in clear summer days						
2,4	320	292	300	232	183	137	123
3	312	283	290	223	178	137	123
3,6	303	272	280	212	169	132	118
4,2	296	265	276	206	153	127	113
4,2	278	253	266	197	148	127	113
5,4	263	243	250	182	148	122	108
6	258	238	245	177	143	122	108
6,6	253	229	240	168	138	117	103
7,2	248	223	236	159	138	112	98
7,8	243	220	230	142	133	112	98





## INDUSTRIAL WALL FANS

Industrial Wall Fans Shutter adopts special push-pull, open- close device, ensure shutter totally open and close, wind-proof, rain-proof and dust-proof. Centrifugal type open mechanism can guarantee that shutters completely open and close. Make the shutters opened to reduce resistance & increase the air flow.

## RIDGE VENTILATORS

Ridge Ventilators provides maximum airflow performance and continuous “Weep” at bottom of wind bands for water drainage and self-cleaning of wind transported matter. It can be used as a single vent or in a continuous run without modifications. This can be customised as per the specification required.






ENHANCING ENVIRONMENTAL LIFE

Thailand | India | Dubai | Mauritius

## GET IN TOUCH

For more information, please write to us at : [info@riseecovent.com](mailto:info@riseecovent.com)

 [www.riseecovent.com](http://www.riseecovent.com)

You may get in touch with our team for business enquiries

### 📍 Head Office

84 Soi Bangborn 4, Soi14 Yak 4 Kwang  
Bangborn Khet Bangborn Bangkok,  
Thailand 10150.

☎ +66 (0) 38017604 / +66 (0) 816286320

✉ [info@riseecovent.com](mailto:info@riseecovent.com)

### 📍 Middle East Region - GCC Sales

[gcc.sales@riseecovent.com](mailto:gcc.sales@riseecovent.com)

### 📍 Africa Region

Royal Road Lallmatie, Republic of Mauritius

☎ +230 58580600 / +230 4188374

✉ [sales.africa@riseecovent.com](mailto:sales.africa@riseecovent.com)