



# Evview Global Pvt Ltd

## Winner of 3 national awards

### White Hawk Sensing Solutions

# Nature Smart Solutions



# About Team Evview

- Group of young professionals qualified from M. Tec MIT (USA), M. Tec IIT Kanpur, PG from IIFT Delhi.
- The team has worked in the industry with experience ranging from 12 years to 22 years.
- The team has worked in large multinational organisations in India and abroad as CEO, COO, Head of marketing, CTO, Head of various departments.
- The team consists of varied experience ranging from top management right to the floor level implementation of projects.
- Have won national awards from CII and ET Now.

# Services Provided by Eview

- Daylight harvesting / Natural Light / solar day light thru Brilantor, SkyPipe, Light ball, E kool and various other solutions.
- Natural air and heat reduction thru high end wind driven Turbo ventilators, motorized turbo ventilators and combo with Daylight units
- WhiteHawk :- Seamless smart energy saving solutions for factories, offices, commercial complex etc
- **USP** :- Design & commissioning of Customised solution
- **Ease of Usage**. Install it and forget it.
- **Practically no maintenance**.

# White Hawk

## Sensing Solutions

seamless smart customised energy saving solutions

- Saves power for Lighting, Air conditioners, fans.
- Maintains desired lux / temperature for the users.
- Seamless technology does not let you feel the change.
- Can be easily combined with dimmable LED.
- Ideally suited for factories, warehouses, Office space, Parking lots, street lights etc where ever lights, A/C's and fans are used.
- It is a switch less technology where the desired inputs are fed into the sensors and all the user has to do is enjoy the benefits of power saving.
- It comes with a 1 year warranty.
- Development is a constant process and product enhancement happens on a regular basis.
- Customization is the hull mark of White Hawk, and E view is committed to that.



# White Hawk

## Sensing Solutions

seamless smart customised energy saving solutions

### ➤ Smart Lighting solutions

- ✓ Lights go to low wattage automatically
- ✓ Operates in zones
- ✓ Supports occupancy, light sensors etc..
- ✓ Wireless communication
- ✓ Pluggable controller for easy maintenance
- ✓ Maintenance using Android App

### ➤ WiFi Lux sensors

- Light sensor with range - 0 – 40000 lux
- 50/60Hz Light ripple rejection
- Dual channel with visible & IR levels
- Wireless communication capable
- IR configurable lux level triggers
- Upload events to cloud over WiFi

### ➤ WiFi motion sensors

- Microwave based motion sensor
- 7-9 meters, 360 degree spherical coverage
- Not effected by temperature like PIR
- Wireless communication capable
- Capable of forming zones
- Upload events to cloud over WiFi

### ➤ WiFi sensor for LED lights

- Wireless switches to control lights based on sensor inputs
- Capability to create zones
- Supports occupancy, light sensors
- Supports up to 100 watt lights
- Supports OTA upgrades
- Analytics dashboard.

# Working of White Hawk

## Integration of natural light and artificial light to save power.

- The customer decides the Lux level as per requirement.
- The software is designed according to the desired Lux level.
- Eview Provides the Dimmable LED lights, sensors and MCB designed / supplied accordingly.
- Eview fits the daylight harvesting units, from their biggest range of circular (SkyPipe) and tube type (Brilantor) units as required for the area.
- The range starts for SkyPipe from 200 mm to 1850 mm and for Brilantor from 2000 mm to 4000 mm Length X 600 mm width & 300 mm height.
- This is the biggest range world wide (as per our information) to suite any natural lighting requirement and any height requirement for natural lighting.

## Working of White Hawk contd....

- The artificial lights and natural lights are integrated with each other thru the array of sensors sensing the lux level at each time throughout the designated area.
- The sensors sense the lux level from natural light and / or the artificial light to meet the requirement of customer.
- It either dims or increases the intensity of artificial lights seamlessly without the user knowing it.
- The artificial lights are switched off when the natural lights are meeting the lux requirement.
- The artificial lights are switched on when there is poor or no natural lights.
- In case the natural lights is short of the desired lux level the artificial lights are put on to only that intensity required mix to meet the desired lux level.
- The time gap for the mix of lighting is desired by the user.
- This helps of maximum utilizing the natural light by the user thus saving maximum power.

# Working of White Hawk contd....

- Artificial light zones are created thru the software.
- Artificial lights only in that zone will switch on where the light is poor in the designated area.
- For example the artificial lights in the center of the shed will glow first as against the lights near the windows and doors.
- In ware houses and areas of less movement the lights will be dimmed to the decided low level at all times except where there is movement.
- It is a no touch system where the user is not required to switch on or switch off the artificial lights.
- The software coded for the user decides when and where to switch on and off the artificial lights.
- Power saving of around 70% + is achieved by
  1. Saving of close to 10/11 hours per day on an average comes thru Natural lights.
  2. Utilizing maximum natural lights.
  3. Switching lights on only when and where the lights are required.
  4. Dimming lights in areas where there is no movement.
  5. Maintaining only the desired lux level and not more.
  6. Human intervention is not required for lighting.
  7. Comes from Evview, which has a record of saving power thru only quality products.



# Working of White Hawk contd....

## Power saving in AC's / Fans, cabin lights, office general lights & street lights.

- The sensor detects the temperature set on ac.
- In case it is set below the designated temperature (say 19 instead of 23) the temperature will be reset to 23.
- When user forgets to switch off or is not occupying his office either the ac will set to stand by mode or to fan mode as pre decided by the user.
- Ceiling fan will be switched off or as pre decided by the user.
- Cabin lights will be switched off or as pre decided by the user.
- Office general lights / parking lights / street lights can be decided on Lux, occupancy and / or movement basis to the lights level pre decided or even clock based.
- Can be set on pre decided timer or time gap to suite every requirement.

## Specifications:

## Wifi Lux Sensor

Parameter	Specification
Input voltage range	110-270VAC
Sensing type	Visible + IR light
Wireless	2.4Ghz b g n, capable of peer to peer and start networks simultaneously
Input configuration	IR based
Isolated	Yes
Wireless Range	100 mtrs line of sight
Responsivity	< 500ms
Sensor wattage	1.3 watt max, during transmission
Sensing range	0 – 40000 lux
OTA(Over the Air)	Supports with WiFi availability
Analytics	Based on customer requirement
Temperature	5°C - 50°C
Security	Two level 16 bytes keys

\*The look & form of the sensors might differ from what is depicted in the picture because of our continuous endeavour to make the product better



## Specifications: Wireless Smart Lighting solutions

Parameter	Specification
Input voltage range	150-270VAC
Wattage	19- 5 Watt 36-5 Watt
Wireless	2.4Ghz b g n, capable of peer to peer and start networks simultaneously
Input configuration	IR based
Sensor Isolated	Yes
Wireless Range	100 mtrs line of sight
Zoning	> 10 different zones possible
Sensor wattage	1.3 watt max, during transmission
Sensor integration	Sensors can be integrated with software change
OTA(Over the Air)	Supports with WiFi availability
Analytics	Based on customer requirement
Temperature	5°C - 50°C
Security	Two level 16 bytes keys



## Specifications: Wifi microwave motion sensor

Parameter	Specification
Input voltage range	110-270VAC
Sensing type	Microwave - Doppler
Wireless	2.4Ghz b g n, capable of peer to peer and start networks simultaneously
Input configuration	IR based
Isolated	Yes
Wireless Range	100 mtrs line of sight
Zoning	>10 different zones possible
Sensor wattage	1.3 watt max, during transmission
Sensing range	7- 9 meters
OTA(Over the Air)	Supports with WiFi availability
Analytics	Based on customer requirement
Temperature	5°C - 50°C
Security	Two level 16 bytes keys



## Specifications: Wireless sensor for LED

Parameter	Specification
Input voltage range	110-270VAC
Max current switching capability	2 Amps including inrush current
Wireless	2.4Ghz b g n, capable of peer to peer and start networks simultaneously
Input configuration	IR based
Isolated	Yes
Range	100 mtrs line of sight
Zoning	>10 different zones possible
Sensor wattage	1.3 watt max, during transmission
Sensor integration	Sensors can be integrated with software change
OTA(Over the Air)	Supports with WiFi availability
Analytics	Based on customer requirement
Temperature	5°C - 50°C
Security	Two level 16 bytes keys



## **Our satisfied customers.** (Not exhaustive list)

1. Hindustan Uni Lever
2. Tata motors
3. Indian Railways
4. Ichapur rifle Factory.
5. Dumdum Ordinance.
6. Bosch
7. Bajaj Auto
8. IFFCO
9. Essar Oil
10. ONGC
11. Sula Wines.
12. Godrej Industries.
13. Siemens
14. Shree Cement
15. Pidilite
16. GHCL
17. Indian Oil
18. Saint Gobin
19. Ashok Leyland
20. Phoenix Mecano
21. Hindustan Rubber
22. Balmer Lawrie-Van Leer Ltd
23. Sushruta Hospital
24. KSRTC
25. UPL
26. Zennith Rubber
27. Schneider.
28. Adani Group
29. Mahindra and Mahindra
30. and many more.....



**For more details please visit**  
**[www.eviewglobal.com](http://www.eviewglobal.com)**

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