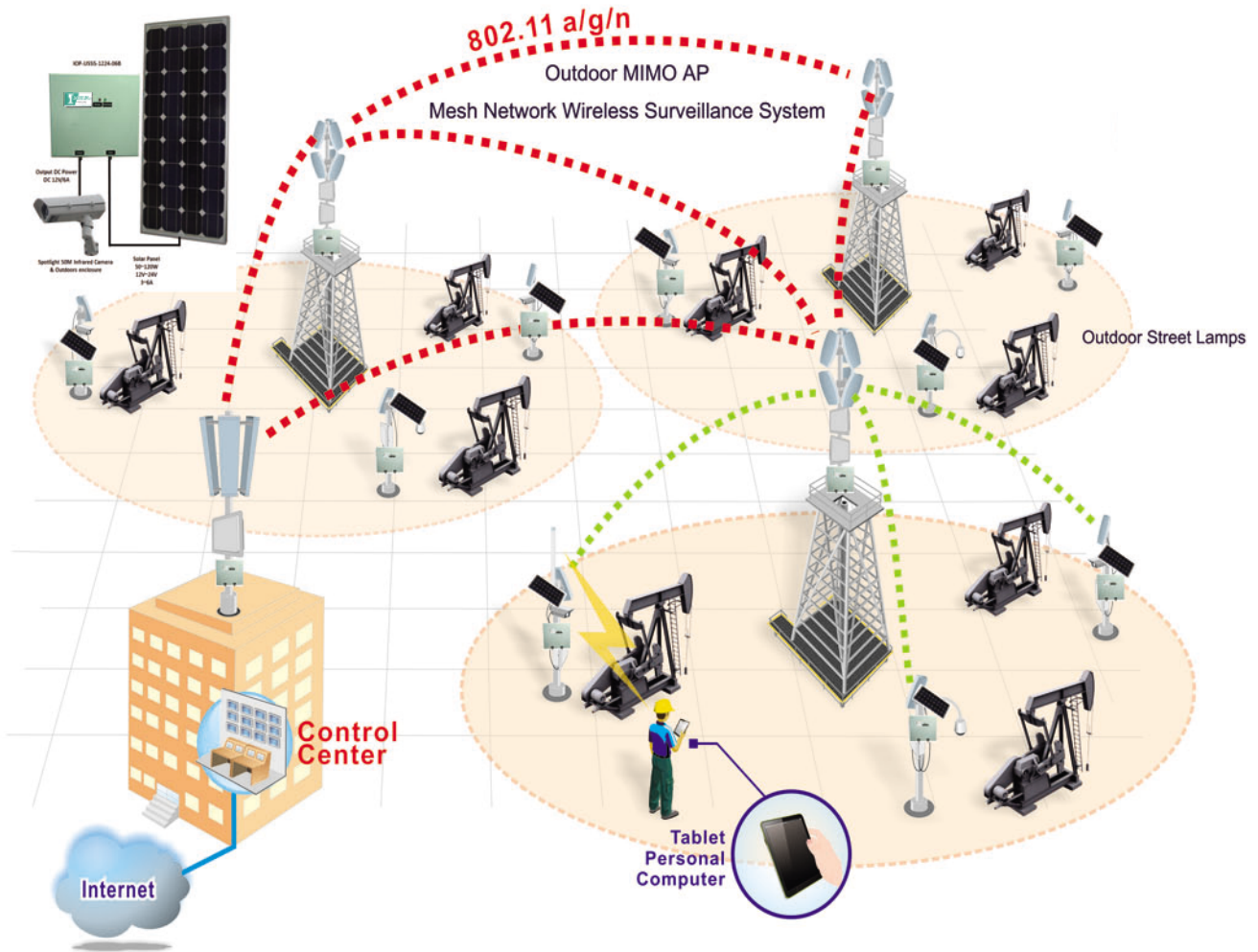


Indsecom Solar Wireless Surveillance System



Indsecom Solar Wireless Surveillance
Solar Powered Wireless Surveillance Solution



Indsecom Solar
Wireless
Surveillance (ISWS)
design is based on
the next generation
solar UPS with most
efficient C-LiFePO4
Lithium battery

Indsecom has developed a smart solar powered wireless surveillance system for different weather environment with wide operating temperature range from -20°C to $+65^{\circ}\text{C}$ which is ideal for any type of remote surveillance application across the globe.

ISWS design based on the next generation **IND-USSS-12V3556-OA** and **IND-USSS-12V1224-OA** series online Solar UPS system which is powered by latest C-LiFePO4 lithium battery. This is the most energy efficient, tiny, long lasting high watt battery provides at least 72 hours of device operation power for continuous 3 cloudy weather days. The continuous power output can be increased to 6-7 days by adding batteries and solar panels as per client requirements

Indsecom Solar Wireless Surveillance system (ISWS) is designed with specially engineered energy efficient **IND APM -100RH** series outdoor

wireless access points. These are enterprise and carrier-grade 802.11a/g/n Outdoor Wireless Access Points which offers a robust and high performing solution for PTP / PTMP / Hotline / Hotzone applications in both license-free 2.4GHz and 5GHz bands. The APM-100RH series are suitable for industries, pipeline, campuses, hospitality, healthcare, warehousing and wider metropolitan area deployments. The new generation 802.11N MIMO technology, IND APM-100RH offer data link rate up to 300Mbps in each single radio interface. Short Guard Interval and Frames Aggregation methodology configurations improve the efficient of backbone usage with total data link rate 300Mbps and 320Mbps bandwidth

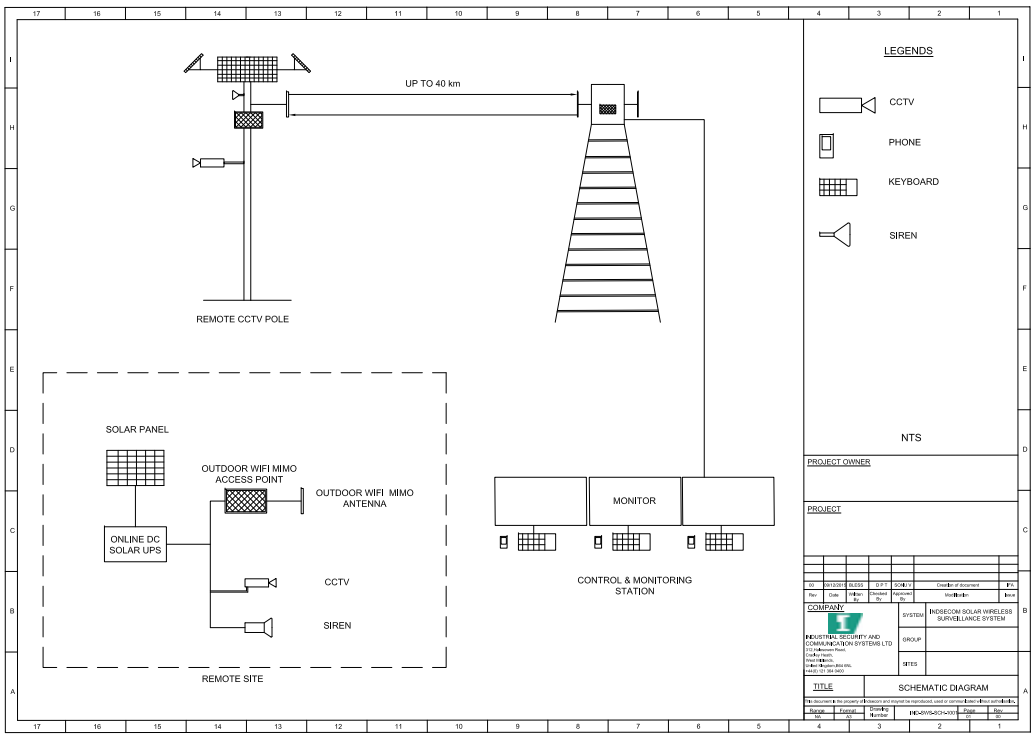
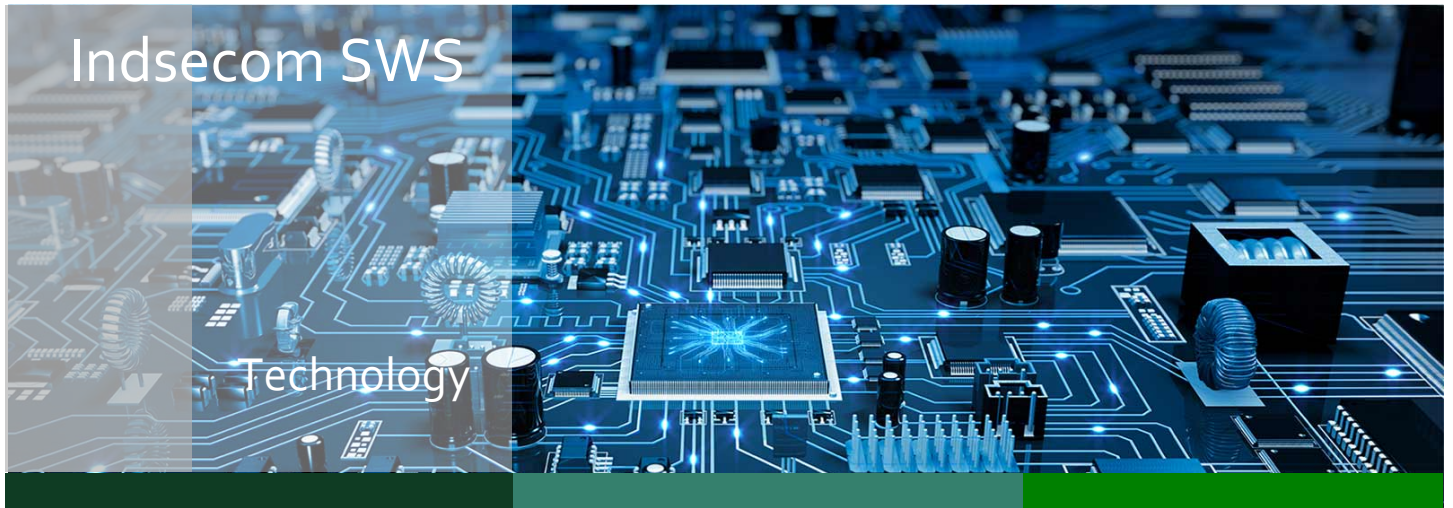
Indsecom uses specially manufactured CCTVs by Veilux Inc. USA for ISWS projects. We offer PTZ, Fixed and Thermal IP CCTVs for different site requirements

Indsecom Solar Wireless Surveillance (ISWS)

Salient Features

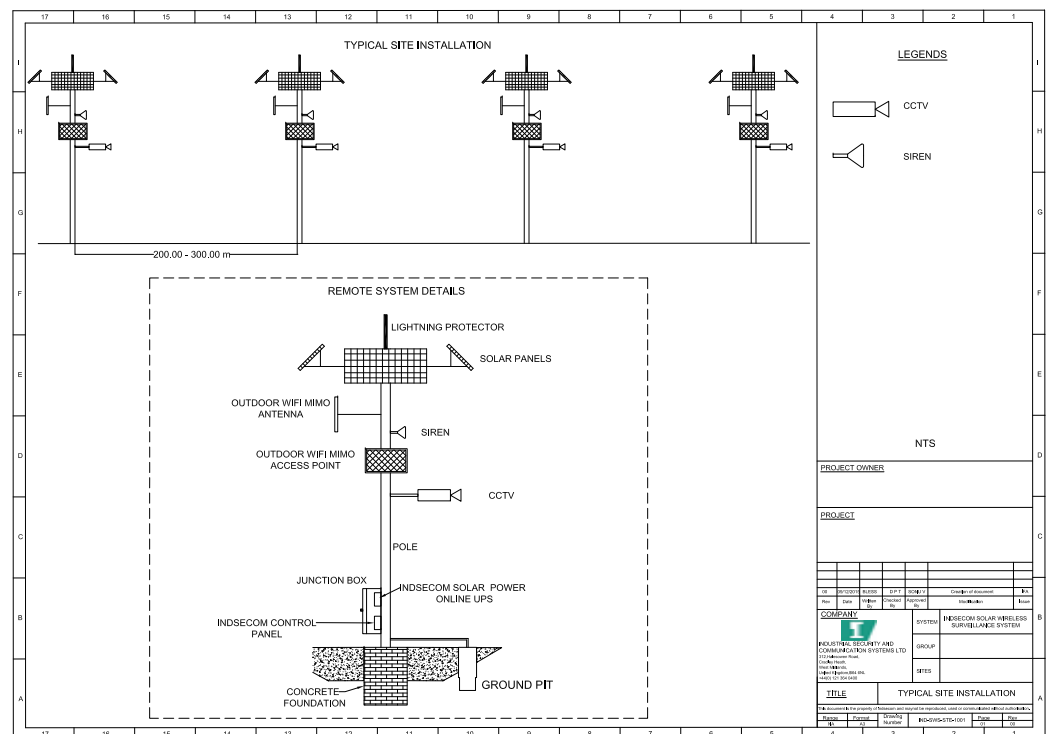


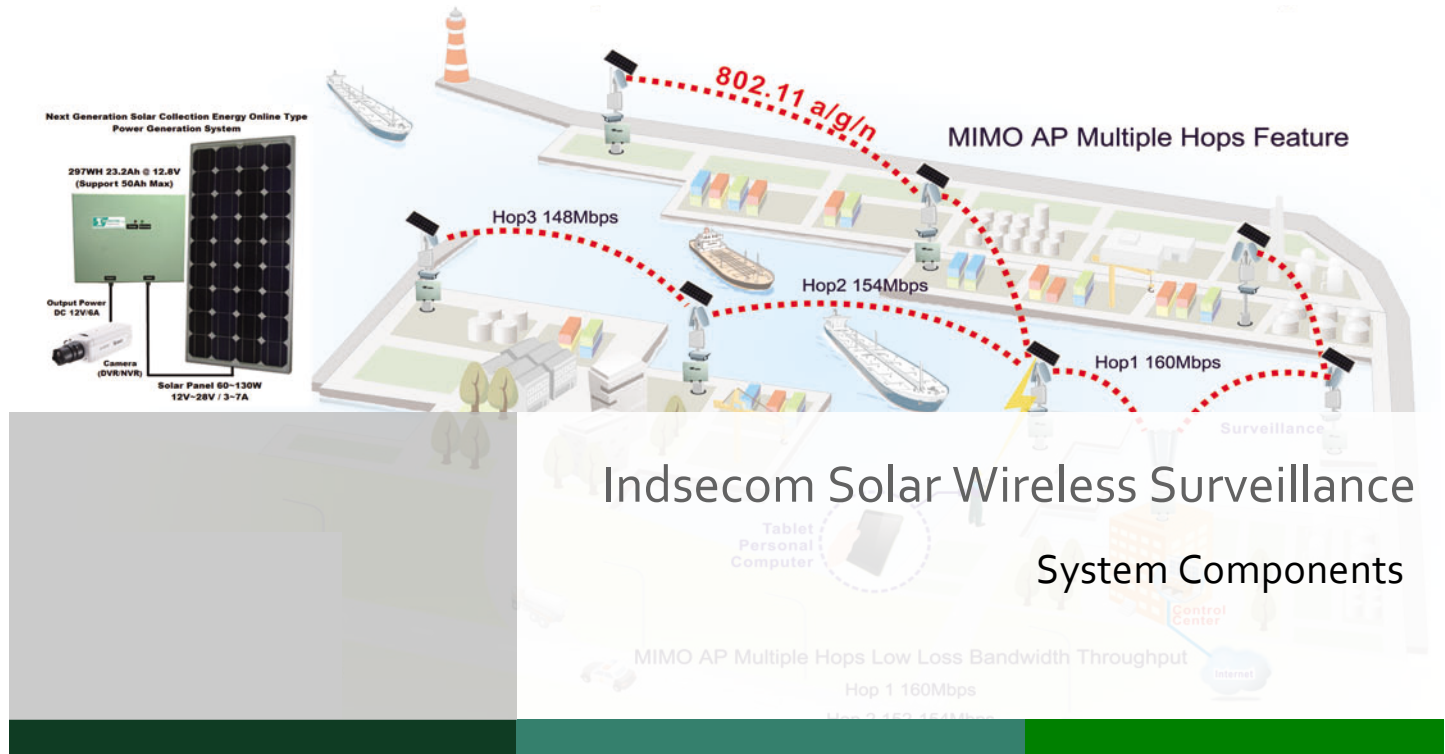
- 100% Solar Powered
- 100% wireless IP technology
- No cost on field cabling
- Ideal for rainy and sunlit Climates
- Centralized monitoring
- Surveillance could be done by specially developed Veilux HD PTZ , Fixed, Infrared or Thermal CCTVs
- Fast installation with readymade poles & foundations
- Optional availability of remotely operated pole mounted siren
- Optional availability of two way audio communication
- Optional availability of secondary power source
- Optional availability of 3G/4G data transmission
- Encrypted data communication
- 3 days back up power design for absolute no sun light condition



Indsecom Solar Wireless Surveillance (ISWS) Schematic Diagram

Indsecom Solar Wireless Surveillance (ISWS) Typical Site Installation





Indsecom Solar Wireless Surveillance System Components



Indsecom Solar UPS Systems IND-USSS-12V1224-0A Series

Models	IND- USSS-1212-06B	IND-USSS-1216-07B	IND-USSS-1218-08B	IND-USSS-1224-09B
Power Capacity	148 WH (11.6Ah@12.8V)	206 WH (16.1Ah@12.8V)	235 WH (18.4Ah@12.8V)	297 WH (23.2Ah@12.8V)
Solar Cells	60~80W 16~18V / 21~23V	70~90W 16~18V / 21~23V	80~100W 16~18V / 21~23V	90~120W 16~18V / 21~23V
Battery Capacity	11.6Ah @ 12.8V (148 WH)	16.1Ah @ 12.8V (206 WH)	18.4Ah @ 12.8V (235 WH)	23.2Ah @ 12.8V (297 WH)
Battery Type	C-LiFePO4 Lithium Batteries			

IND-USSS-12V3556-0A Series

Models	IND- USSS-1235-10B	IND-USSS-1240-10B	IND-USSS-1247-10B	IND-USSS-1256-10B
Power Capacity	445 WH (34.8Ah @ 12.8V)	515WH (40.2Ah @ 12.8V)	594 WH (46.4Ah @ 12.8V)	717 WH (56Ah @ 12.8V)
Solar Cells	130W 16~18.5V / 20~23V 4~7.5A			
Battery Capacity	34.8Ah @ 12.8V (445 WH)	40.2Ah @ 12.8V (515 WH)	46.4Ah @ 12.8V (594 WH)	56Ah @ 12.8V (717 WH)
Battery Type	C-LiFePO4 Lithium Batteries			

Indsecom Wireless MIMO Outdoor Access Points

Models	IND APM-101RH	IND APM-102 RH	IND-APM-103 RH
Radio Spec	2.4GHz & 5GHz Dual-Band 2x2 MIMO High Power 23dBm (200mW)		
Radio Amount	1	2	3
Wireless	802.11a/g/n multiple Hops Bridge		
Oper Temp	-30 °C - +70 °C		

Veilux Outdoor IP CCTV

Models	VBIP-2V	VVIP-2V	VPIP-2M22X
Type	IP IR Bullet	IP Dome	IP PTZ 22X
Res	2 Mega Pixel		
Housing	Outdoor IP67		
Oper Temp	-20 °C - +65 °C		





Indsecom Solar Wireless Surveillance Project Approach

Indsecom can help our clients to implement customized solution as project basis approach. Even though our technology will serve the remote surveillance requirements of any client, but the implementation strategy and challenges may vary case to case. We may start with Front End Engineering and Design (FEED). Upon the fulfillment and approval of FEED we will move to different project phases such as Detailed Engineering, Procurement, Construction and Commissioning

In order to understand benefits and advantages of Indsecom Solar Wireless Surveillance System (ISWS) we advise customers to start with a pilot project to prove ISWS system capabilities in real time site conditions



Contact Us

Email: sales@indsecom.com

Phone: +44 121 364 0400

Web: www.indsecom.com



Indsecom Solar Wireless Surveillance Solar Powered Wireless Surveillance Solution



HEAD OFFICE
UNITED KINGDOM

312, Halesowen Road,
Cradley Heath,
West Midlands,
United Kingdom, B64 6NL
+44 (0) 121 364 0400

COUNTRY OFFICE
SAUDI ARABIA

P O Box No:15105
Jeddah: 21444
Saudi Arabia
+966 (0) 541 671 084

COUNTRY OFFICE
BAHRAIN

Building 1926, Rd 268,
Block 502, Manama
Bahrain
+973 (0) 3941 9534

COUNTRY OFFICE
INDIA

XII/271A, Technolodge
IT Park, Cochin- 686662
India
+91 (0) 99 477 19 524