


Smart Lighting Solutions

Powered by  Synapptra™



Smart Lighting Solutions powered by Synapptra™ enable next-generation Automated Lighting Control, delivering improved energy efficiency and comprehensive lighting management.

Synapptra turns lighting into a digital application on the network. This enables lighting to be easily and cost-effectively provisioned, controlled and monitored remotely.

Applications:

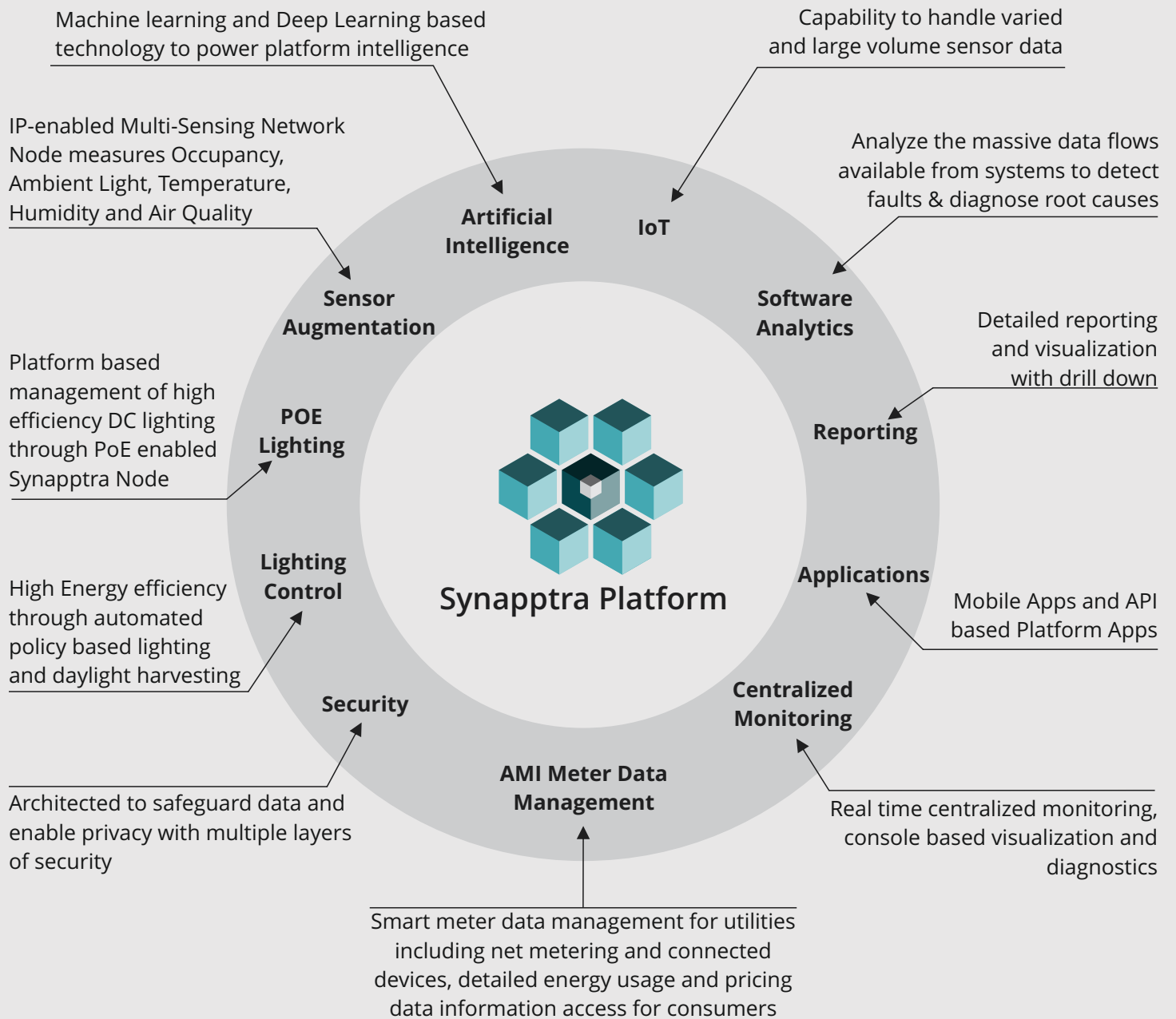
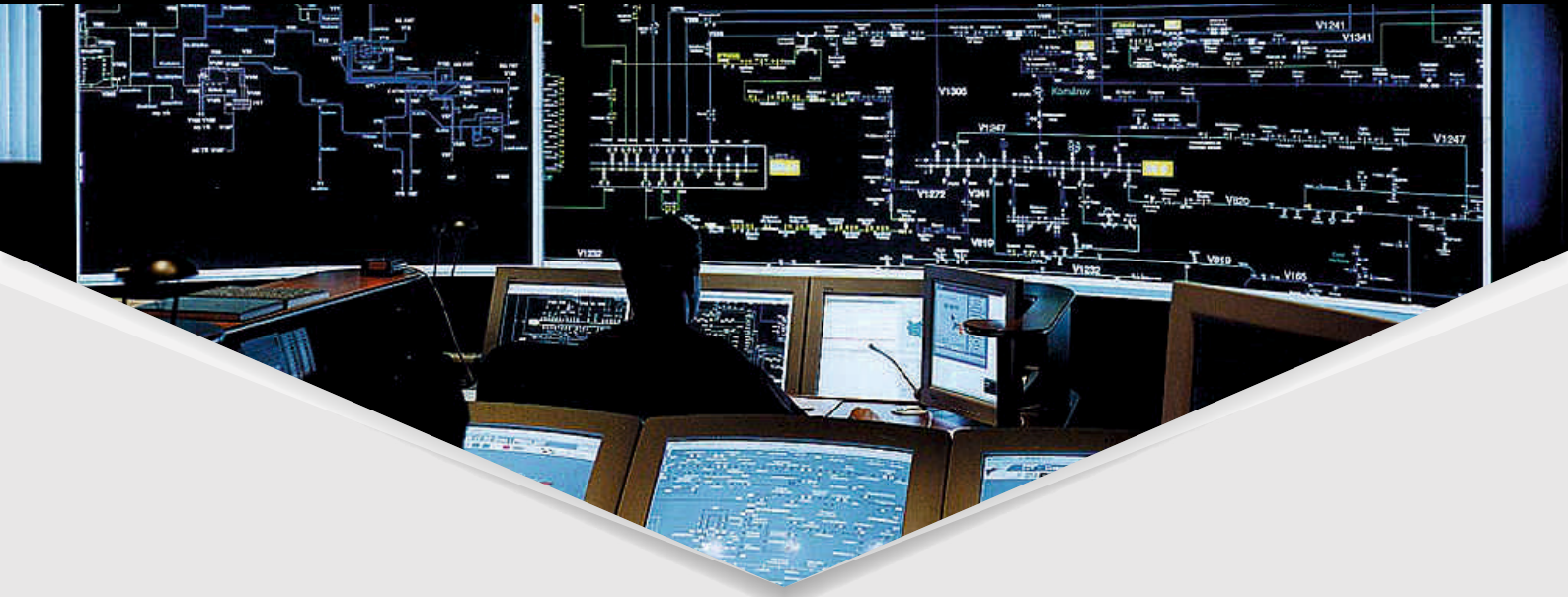
- Office Lighting
- Commercial Building Lighting
- Data Center Lighting
- Adaptive City Lighting
- Industrial Lighting



65% Energy saving in Lighting with occupancy sensing and day light harvesting

Significant reduction in Carbon Foot-Print

Synapptra Platform



Synapptra Sensor Node



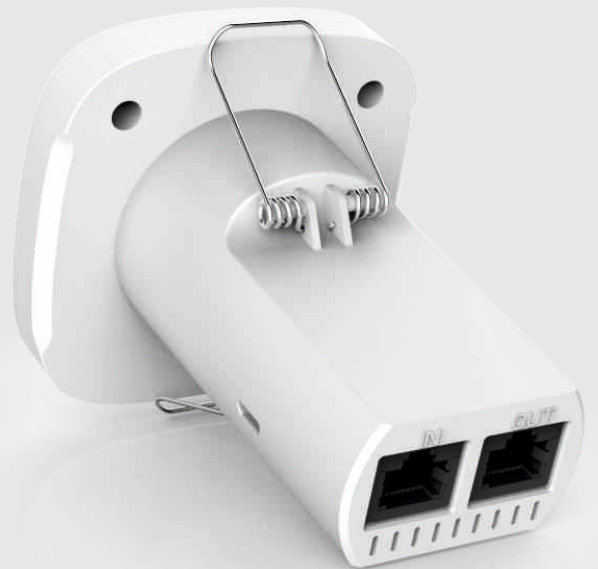
Synapptra Sensor Node is a multi-sensor network device equipped to sense all parameters required in Lighting and Energy Management

- Occupancy sensing
- Ambient Light Sensing
- Humidity and Temperature Sensing

Synapptra Sensor Node is available in Network Power and Non-Network Power variants. Network Power variant delivers upto 60W DC power over networking cable to compatible LED Luminaires .

Network Power reduces installation costs by up to 50% due to low voltage DC “plug-and-play” set up.

Reduces commissioning time from days to hours and reduces maintenance costs by up to 80%.



Features	Specification
Passive IR and Ultrasonic Occupancy Sensor	Covers approximately 10ft. ground radius
Humidity and Temperature	+ / - 1 °C accurate reading
Ambient Light Sensor	Light sensor close to human eye response
Technical	
Input Voltage	54V
Output Power	60W
Connector	2 x RJ45 Connector for Input & Output

Benefits:

- Reducing non-productive power usage
- High density IoT sensor network collects data and provides fine grain control
- Sensor data enables control of lighting levels to exact space / time / personnel needs
- Fully centralized management and reporting
- Low cost installation and setup
- Easy to re-provision
- Flexible Control – by fixture, group, room, floor, building, time of day, occupancy, day light harvesting
- Advanced Occupancy Sensing – sensors enable automatic lighting control, one click day light harvesting, space utilization and security alerts



Office Lighting



Industrial Lighting



Smart Spaces



Street Lighting



Smart Cities



Data Centres



Synapptra™

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