

ROAD TRAFFIC MONITORING

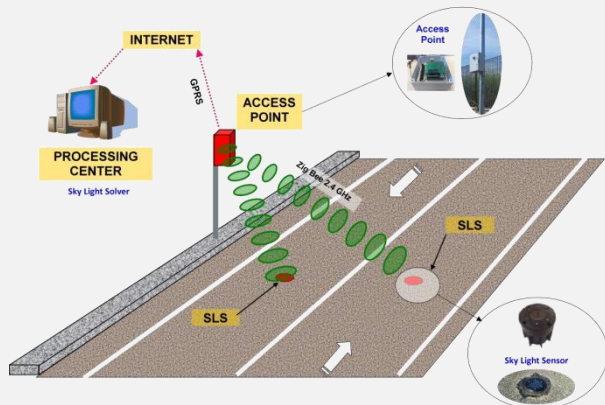
SKY LIGHT MONITORING SYSTEM

THE ACCURATE AND INEXPENSIVE SOLUTION



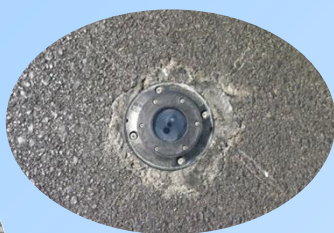
Wireless solution for road traffic monitoring.

It takes advantage of innovative optical and magnetic sensors (patented technology) integrated with a reporting system. The solution is suitable for the monitoring of highways, urban and suburban roads.



FEATURES

- ✓ Traffic counter
- ✓ Speed of each single transit
- ✓ Classification by length
- ✓ Detection of the road surface temperature
- ✓ Automatic data sending to server via GPRS



BENEFITS

- + Easy to install
- + Removable
- + Robust
- + Accurate
- + Inexpensive



Carlo Scarchilli, President of the Consortium of Castel Romano, Rome:

"Thanks to the technology of Nabra Quadro we are constantly updated on the traffic flows circulating in the Consortium of Castel Romano. This allows us to plan and assess the best possible expansion activities of the Consortium"



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Sky Light Sensor



- TRIPLE TECHNOLOGY for detection:
 - Incident ambient light (Italian patent n°0001379287)
 - Active IR (night mode)
 - Geomagnetic field (in presence of snow or dirt)
- WIRELESS technology – 868 MHZ / 915 MHZ / 2.4 GHZ (ISM - unlicensed band)
- Battery life: 6/8 years
- Operative range: -20 +80°C
- Dimension: Ø 110 mm, H 85 mm

Access Point



- WIRELESS technology - 868 MHZ / 915 MHZ / 2.4 GHZ (ISM - unlicensed band)
- Dimension: 120x102x53 mm
- Weight: 350 g
- IP Protection: IP44
- Supply voltage: 5 VDC
- Power consumption: 200mA @ 5V (GPRS included)
- Supplied through mini solar panel (20W)
- Ethernet port 10/100
- GPRS module for remote transmission of data

Sky Light Solver



- Importing files sent by the Access Point;
- Creating an organized database for each traffic station;
- Speed and length calculation for each individual transit;
- Classification of vehicles by classes of length;
- Aggregation of data per lane and travel direction;
- Processing tables with values of traffic flow and average speed;
- Aggregation time: 15 minutes, hourly, daily.



MOBILITA' & AMBIENTE



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