Omniflow®

AI/ML
SMART
PARKING

sustainable solutions
for smart city

www.omniflow.io
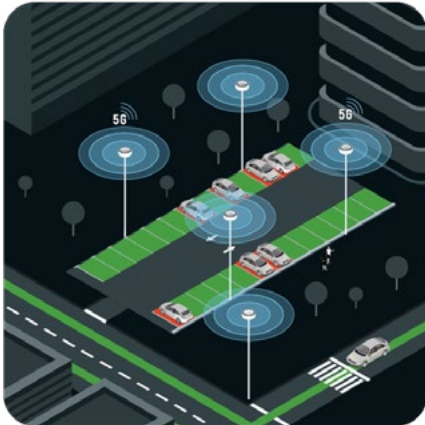
AI/ML
SMART PARKING

Smart parking with Omniflow utilizes on the edge computer vision technologies, processing data locally for reduced data consumption and privacy protection with no video stream being sent out of the Omniled. Control room operators can easily flag parking offenses like incorrect space occupation through the OmniConnect dashboard, and parking users can easily identify available parking spaces. This system benefits cities by **reducing congestion, improving air quality, and ensuring equitable parking access**. Private parking operators also gain from optimized space utilization and enhanced customer satisfaction. Omniflow's solution revolutionizes parking management for a more sustainable and inclusive urban environment.

COMPUTER VISION

Optical sensors
≈ 95% accurate
up to 60 parking spaces
per Smart Lamppost

EDGE COMPUTING

IoT cloud based control system
Conectivity 5G / Wi-Fi

OMNICONNECT interface

Technical Data	Omniled 035	Omniled 07
Lighting Power [W]	12 - 48	30 - 180
Pole Height [m]	3 - 5	6 - 12
Edge Computing		
Optical sensors	up to 2	up to 4
Resolution	Full HD	
AI Performance	472 GFLOPS	

Smart Parking System
Real-time data on occupation:
- spot by spot
- occupancy rates

Data storage up to 3 years
Export data for API integration:
- displays
- external platform

Alerts for parking ofenses like:
- no parking areas
- special parking spaces
- EV charger spaces occupied without use

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Rua Delfim Ferreira, 776C
4100-199 Porto Portugal

info@omniflow.pt
Tel: (+351) 223 219 239

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