



Ras Jebel - TUNISIA

Innovative solutions for the sustainable city in
Africa: 1020 smart luminaires

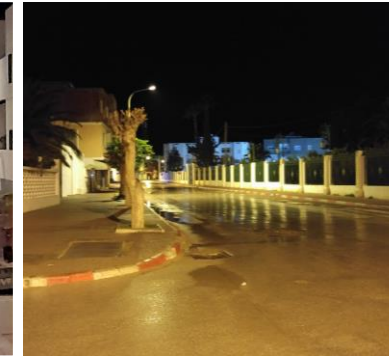
Renovation of public lighting in the town of Ras Jebel (Tunisia)



SMART LIGHTING SOLUTIONS
FOR SMART CITY AND SMART
BUILDING



Renovation of public lighting in the town of Ras Jebel Tunisia



Challenges

- **Urban planning** in the face of rising population growth
- **Reduction** of the energy bill
- Adaptation of the territory to **the economic transition** via the creation of new districts or industrial projects
- Adaptation to **seasonal population peaks** linked to the privileged position of this seaside resort
- **Revitalising and modernising** the town in order to improve its attractiveness
- Improving the **comfort**, the **quality of life**

Implementation constraints

- Very heterogeneous public space
- Roadway, height and spacing of luminaires

Solution

- **SMART CITY by Wittia** complete, connected, intelligent lighting solution that can be remotely controlled thanks to its **remote management platform**
- Replacement of **1020 energy-intensive discharge luminaires with LED luminaires** (70% of the existing fleet in Ras Jebel)
- **Use of motion sensors** to detect the presence of people and to light at the intensity programmed in the remote management platform

Profits

- **Reduction of energy costs** by more than 70%.
- **Reduction of maintenance costs** by more than 30%, thanks to geolocation and real-time fault diagnosis.
- **Optimisation** of human resources
- **New financial resources** for the city for new investments
- Increased safety and the establishment of new activities in previously poorly lit areas
- **Increased environmental protection** through reduced pollutant emissions and the use of recyclable material
- Improved citizen **comfort**
- **Smart Lighting solution** as a basis for deployment of other **Smart City applications** for the city

+ SMART CITY by Wittia

A complete, high-performance, scalable, reliable and eco-responsible solution allowing significant and immediate economic gains