

7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, sustainable and modern energy for all.

Ambassador of SDG 7:

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Real-Time Energy Consumption Supervision.

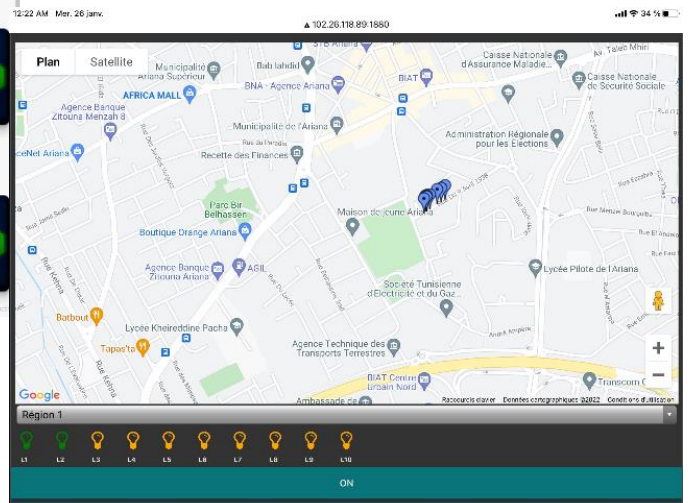
The project which realized in the high school of engineering of Tunis develop a Real-Time Energy Consumption Supervision System. The solution makes it possible to optimize energy management. With the proposed system, we can monitor the energy consumption of facilities in real time, whether it is a factory, an office, or a data center. With accurate, up-to-date data in real time, we can make informed decisions to reduce energy costs, minimize environmental impact and ensure business continuity. The solution has a user-friendly interface that provides a comprehensive overview of energy consumption, allowing to detect inefficiencies and optimize energy use. The Real-Time Energy Consumption Monitoring System is an essential solution for modern businesses.



Public lighting: Remote control



A second project for automatically switching system on street lights is also developed at the ENIT of university of Tunis El Manar, it is based on the sunset



and sunrise schedule, ensuring precise and efficient use of public lighting. In addition, the solution allows real-time diagnosis of possible street lamp defects, enabling proactive

maintenance and reducing repair costs. That's not all, the solution also offers the ability to individually control each floor lamp via a user-friendly web interface, providing full control just a click away.

Additionally, with human-machine interaction functionality via SMS, it can now turn the system on, off, diagnose faults and manage the system, all through simple text messages. The solution enables energy efficiency, cost reduction and sustainability, while simplifying the management of public lighting. This approach allows for an intelligent, connected and environmentally friendly solution.

