

# Noratex SA, Greece

## Executive Summary

With more than 39 years' experience, NORATEX SA is one of Greece's oldest companies dealing in the importation and distribution of electrical industry products. By following its long term goal of expanding its operation into the energy savings sector, the company has supplied CIMCON's street light controllers (iSLCs) and wireless gateways based on Power Line Carrier Communication (PLCC) to its client, the Municipality of Nafpaktos. CIMCON's street light controllers were selected after a thorough analysis of controllers from multiple vendors.

## Situational Analysis

NORATEX SA started a pilot program to control lamp fixtures with iSLC units based on PLCC technology, to manage the iSLC units with PLCC wireless gateways, and to monitor and control lamp fixtures remotely from a Central Management System (CMS). In addition, the pilot program sought to save power by using the dimming capabilities of the street light controllers.



## Pilot Program Project Scope

Under the supervision of four staff members from the Municipality of Nafpaktos, a one month demonstration with five CIMCON iSLC-4000 PLCC's was conducted by Noratex, SA. The following key features of CIMCON's controllers were tested:

- Ease of installation;
- ON/OFF/DIM scheduling capabilities, including Mixed and Astro modes;
- Utility-grade energy metering;
- Secured communication with CMS;
- Power Saving capability;
- Web-based remote access;
- Easy and fast fault management and maintenance.

## Client:

NORATEX SA for the Municipality of Nafpaktos, Greece.

## Application/Environment:

Pilot program and final installation of CIMCON's iSLC-4000-7P-PLCC controllers and wireless gateways to reduce street light energy consumption through the use of the controllers dimming capabilities.

## Project Scope:

**106 iSLC-4000-7P-PLCC controllers and PLCC wireless gateways.**

## Implementation

Following a successful pilot program, CIMCON installed its iSLC 4000-7P-PLCC controller on 101 LED lamp fixtures along with 3 PLCC wireless gateways with the help of its installation partner, NORATEX SA, at three sites in the Municipality of Nafpaktos within one week. The installation process was completed by two Noratex SA staff members, including Georgios Christodoulou, Managing Director who lead the process at the Municipality of Nafpaktos sites.



## Results

There were no performance issues with CIMCON's controllers reported by NORATEX SA or the Municipality of Nafpaktos after thorough analysis and testing.

Cimcon controllers delivered the following results:

- Live and on-demand updates of status;
- Dimming capability within status range;
- Individual cumulative kWh consumption and real-time kWh use;
- Remote control ON/OFF/DIM via real-time controlling and pre-setting; and
- GPS location, including full address, plus Google Earth imaging.

## About CIMCON Lighting

With over 25 years of innovation and experience in outdoor wireless applications, CIMCON Lighting is the world's leading provider of scalable, intelligent wireless outdoor lighting management solutions for traditional, LED and solar-based street lights. Focused on offering solutions that provide the lowest **"Lifecycle Cost of Ownership,"** CIMCON pioneered the concept of **"Just in Time Lighting™"** to ensure that the right amount of lighting is provided when and where it is needed. CIMCON's **"Just in Time Lighting™"** reduces energy, maintenance, and repair costs while improving total ROI. CIMCON's lighting management solutions are appropriate for roadways, parking lots and parking garages, corporate and university campuses and a variety of industrial applications.

For more information, please visit [www.cimconlighting.com](http://www.cimconlighting.com).

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### Worldwide Headquarters

CIMCON Lighting Inc.  
600 Technology Park Drive, Suite 100  
Billerica, MA 01821 USA  
(978) 320-4002  
[sales@cimconlighting.com](mailto:sales@cimconlighting.com)

### UK Office

CIMCON Lighting Ltd.  
40 Bank Street, 30th Floor  
Canary Wharf, London E14 5NR  
(+) 020 3178 6931  
[info.uk@cimconlighting.com](mailto:info.uk@cimconlighting.com)

### Asia Pacific Office

CIMCON Software (India) Pvt. Ltd.  
802, SAKAR IV, Ellisbridge  
Ahmedabad - 380 006, India  
(+) 91-79-2657 8639  
[info.apac@cimconlighting.com](mailto:info.apac@cimconlighting.com)