

# HIGHLAND PARK

Chicago, USA

## CASE STUDY



The Highland Park is one of the wealthiest suburbs in the Chicago area, next to a commercial area and an outdoor arena which hosts big shows that was previously unlit at night. People from the neighbourhood were concerned about the lighting and so was deployed the first smart lighting project in the Chicago North Shore Area. This lighting control & monitoring system was installed with Dimonoff's RME wireless smart nodes on each fixture to get remote lighting management.

With this project, they wanted to :

- o Strengthen their citizens security with uniform lighting levels
- o Allow specific lighting dimming levels to the satisfaction of the residents
- o Bring back life to an unlit commercial area that felt unsecured at night

## WHAT HAS BEEN DONE?

The Highland Park Neighbourhood has converted more than 130 fixtures from HPS to high performance LEDs for different citizen's needs and to bring back life to an unsecured commercial area at night, in addition to the energy savings they produce. They also installed Dimonoff's smart nodes on flood light poles to illuminate a monument in the neighbourhood. Having also configured Dimonoff | SMCS software platform with this change, they are now able to remotely control and monitor their outdoor lighting network, in real time. This allows to set different dimming scenarios in different areas in the residential area to answer specific resident's satisfactions as they were concerned by the lighting brightness at night.

## MAIN BENEFITS

- o Greatly improves residents safety and their quality of life, they are now really happy and involved in the lighting project as they took part in its design and deployment.
- o Residents involved in public work teams that have total control over the lighting dimming level that they set to answer their satisfactions in different areas.
- o Life came back in the commercial area with 2 bars opening since the project started, bringing in revenue for the city
- o Energy consumptions decreased as well as CO<sub>2</sub> emissions while the lighting is now better and better respond to the citizens needs

## RESULTS

**XX%**  
ENERGY SAVINGS

**XX kW**  
AVERAGE CONSUMPTION  
BEFORE DEPLOYMENT

**XX kW**  
AVERAGE CONSUMPTION  
AFTER DEPLOYMENT

**2 New Bars**  
SINCE THE PROJECT STARTED