



## Case Study



### City of Portland Oregon

The city of Portland, OR hosts the worlds only “urban canyon” wireless control system for its streetlights. Covering over 6 square miles, integrating several sites around the city, LSI has demonstrated the resilience of its wireless communication in a high rise setting. By dimming down the lights after 11pm the city saves money on operational costs and will get email alerts if any lights burn out.



#### SITE OBJECTIVES

Provide a means to control streetlights at several different sites from the city Department of Transportation Center

#### MAJOR FEATURES

Multiple sites citywide that tie together at a server located in the Portland Building. Access from behind the city firewall enables the city IT department to support the system locally and securely. All the sites are accessible from one web browser. Each of the controllers has its own battery backed intelligence such that if communication fails, the lights will continue to operate normally. In a critical environment like intersections this is vital. Areas that have lower traffic flow after 11pm can be dimmed down to support a reduction in operating costs

#### KEY BENEFITS

The city has control over each lights lumen output by hour of day and is no longer dependent on photocells for operation.

*“The LSI system allows us to observe and control streetlights located in several different areas of the city. From our desktop, we are able to check on light status or remotely set the levels of the lights, identify outages, and understand the detailed energy consumption of our system. On a recent project, we installed ornamental LED street lights and were able to check if the luminaires were working properly by observing the electrical current drawn at each light.”*

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