

SHAWINIGAN, QUEBEC, CANADA • 2016-PRESENT

Shawinigan: 6,141 cobra-head streetlights on one platform

Shawinigan's aging high-pressure sodium streetlights had reached end of life. The City replaced its full cobra-head fleet, 6,141 fixtures, with a Dimonoff | SCMS network set to 60% output at launch, and later added sewer-level sensors to the same platform.



6,141

MUNICIPAL COBRA-HEAD LUMINAIRES
CONNECTED TO DIMONOFF | SCMS [▶ \(HTTPS://
WWW.DIMONOFF.COM/RESOURCES/CASE-STUDIES/CITY-OF-S
HAWINIGAN/\)](https://www.dimonoff.com/resources/case-studies/city-of-shawinigan/)

60%

LIGHT LEVEL SET NETWORK-WIDE AT
IMPLEMENTATION [▶ \(HTTPS://WWW.DIMONOFF.COM/RE
SOURCES/CASE-STUDIES/CITY-OF-SHAWINIGAN/\)](https://www.dimonoff.com/resources/case-studies/city-of-shawinigan/)

The situation

Shawinigan's high-pressure sodium streetlights had reached end of life across the City's full cobra-head fleet, 6,141 fixtures. Rather than a like-for-like bulb swap, the City wanted a network it could operate remotely and that would still be answering the same questions a decade later, not just a lower electricity bill on day one.

What was deployed

Energere converted the fleet and put every fixture on Dimonoff | SCMS, with light levels set to 60% at implementation and adjustable by zone from the platform afterward. Because SCMS is built to manage more than lighting, the City later added sewer-level sensors onto the same network rather than standing up a second system for a second asset class, one login and one map for both.

Why it matters for your network

Shawinigan is the full-fleet case: a mid-size city that converted its entire cobra-head inventory in one program rather than piloting a district first, and then used the platform's headroom to add a second asset type without new infrastructure. If your city owns a single,

homogeneous fixture type at meaningful scale, this is the precedent for converting it in one program and getting a second use out of the network afterward.

Dimonoff enables us to better manage our city. Shawinigan's 6,141 luminaires can now rely on the Dimonoff | SCMS system when it comes to speed, security and capability.

Martin Martel, Engineer, City of Shawinigan ↗ (<https://www.dimonoff.com/resources/case-studies/city-of-shawinigan/>)

DEPLOYMENT

Platform	Dimonoff SCMS
Scope	6,141 cobra-head luminaires, citywide
Additional sensors	Sewer-level monitoring on the same platform
Control	Remote management and real-time monitoring, per fixture

PARTNERS

- Energere

SOURCES

- Dimonoff – City of Shawinigan, QC: Smart Street Lighting (<https://www.dimonoff.com/resources/case-studies/city-of-shawinigan/>)