



## Site Intelligence Platform Provides Progress Monitoring, Marketing and Public Relations

### THE PROJECT

The E.L. Smith Solar Farm consists of approximately 30,000 PV solar panels capable of producing up to 12 MW of energy. The 24-hectare farm features panels supported on a racking system which sits on screw piles. The solar panels feed the energy, through MV Stations, back to an E-House. The E-House connects directly to the City of Edmonton power grid, E.L. Smith Water Treatment Plant and an owner-supplied battery storage system. The project will also restore approximately 7 acres for tree and shrub habitat, and the solar array will be restored with native seed mix improving existing conditions.

We have three cameras setup on site:

- 1 facing the substation
- 1 facing the solar array
- 1 facing the landscaped area

The E.L. Smith Solar Farm is located in a remote area of Edmonton where there is no power or Wi-Fi available. Sensera's MC26 solar-powered time-lapse cameras were the perfect choice for the job as they are equipped with DVR recording and LTE cellular connectivity.

*"Partnering with Sensera Systems enhances the stringent monitoring and safety standards demanded by busy construction projects. We've been impressed with Sensera Systems' products and services and are excited about where the technology can go to further our vision for the smart and integrated jobsite of the future."*

—Mark Bryant, CIO, PCL Construction

### THE BENEFITS

- **Real-time progress monitoring** — The system provides for real-time remote monitoring to ensure productivity expectations are being met even when you can't be on-site.
- **Complete turnkey solution** — This easy to deploy solution includes the solar-powered camera, LTE cellular connectivity and cloud-based software and service
- **Marketing & Public Relations** — "A picture is worth a thousand words." Savvy firms utilize automated time-lapse video and public URLs to market and promote their work quality, environmental responsibility and completed projects.



### THE PROJECT MANAGERS

Robert Kinsella - Senior Project Manager  
Simon Benoit - Project Manager  
Connor Wallace - Student Field Coordinator

### THE CAMERA SYSTEM

**MC26 time-lapse camera**, designed for quick and easy deployment on short-cycle and smaller footprint projects requiring simple time-lapse.

- 6 Megapixel (3264 x 1836) still images
- 1080p Time-lapse Video/Recording
- 32GB DVR Storage (up to 8 days continuous recording)
- LTE or Wi-Fi Capable (3GB Service Plan recommended)

**\*For up-to-date pricing and quotes, please reach out to your District Construction Technology Analyst directly.\***

