

# Panel discussion: EMIS

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Mohammad Khan, P.Eng.

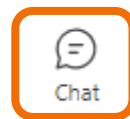


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Before we get started...

What is the biggest challenge you have experienced (or anticipate) with energy management information system (EMIS) implementation or commissioning?

**Type your response in the chat!**



## Lessons learned from EMIS in the real world

1. Share practical lessons learned from real-world EMIS implementation and commissioning projects across different perspectives
2. Explore common challenges, success factors and best practices that influence long-term EMIS performance and value
3. Connect implementation and commissioning opportunities to the Expanded Energy Management (EEM) Program and EMIS incentive

# Energy management information systems (EMIS)

**EMIS incentives are available through Save on Energy's Expanded Energy Management Program.**

Industrial facilities can receive incentives covering up to 50% of eligible costs for EMIS implementation:

1. \$50,000/facility with  $\leq 400,000$  GJ in annual baseline consumption (all fuels)
2. \$250,000/facility with  $> 400,000$  GJ in annual baseline consumption (all fuels)

An EMIS includes measurements, networks, data storage, energy management information, people and management processes.

Projects must be completed before **February 2027** while funding is available. To start your application process, **please email** [SEM@ieso.ca](mailto:SEM@ieso.ca).

*Financial support for industrial facilities participating in the Expanded Energy Management Program is provided by Natural Resources Canada (NRCan) as part of its Green Industrial Facilities and Manufacturing Fund.*

# Getting to know the experts

## Thomas Craddock, operations director, Panevo

- Extensive experience supporting EMIS implementation across diverse facilities
- Focuses on practical, action-oriented metering and monitoring strategies
- Emphasizes operational value, meaningful insights and avoiding over-metering



## Mats van Kleef, president of Enviro-Stewards

- 25+ years of experience identifying practical energy and emission reduction opportunities across industries
- Focuses on outcome-driven EMIS design that prioritizes actionable insights over data overload
- Emphasizes strategic metering, operational optimization and scalable multi-site energy management



## Mohammad Khan, water and energy efficiency manager, OCWA

- Leads EMIS implementation for water and wastewater facilities across a large multi-site portfolio
- Brings hands-on experience with in-house deployment, cybersecurity and power monitoring integration
- Focuses on turning real-time energy data into operational insights, benchmarking and demand management strategies



# Panel discussion

# Audience Q&A

# Join the energy management community!

- **Peer learning** opportunities
- Access to the **Energy Manager Learning Platform**
  - Online courses
  - Resources
  - Discussion forum
- **Free expert support** on improving energy management practices and energy efficiency projects

**Registration is free!**



For more information:  
[trainingandsupport@ieso.ca](mailto:trainingandsupport@ieso.ca)

# XLerate Program



**Project feasibility study funding** 50% cost shared up to \$100,000



**Incentives of \$300/MWh**  
Up to 75% of eligible costs, up to \$15 million



**Comprehensive support**  
from initial scoping to measurement and verification

- ❑ The minimum project **electricity savings must be 600 MWh per year.**
- ❑ The facility must be **non-residential.**
- ❑ Projects must involve an **energy-efficiency improvement applied to an industrial process.**
- ❑ The technology must be **commercially available.**
- ❑ Projects must be completed **within five years of the execution of the Participant Agreement.**
- ❑ Projects must have an IPMVP-adherent **measurement and verification (M&V) plan.**

# Expanded Energy Management (EEM) Program

## Interested in joining a new strategic energy management (SEM) cohort?

- The EEM Program offers expert-led coaching, peer learning and support to identify long-term energy-saving opportunities.
- You may connect with a coach if you are interested in joining a SEM cohort.



## Stay connected with tools and resources

- Virtual one-on-one coaching: [Post-webinar support intake form](#) for tailored support for organizations to manage energy resources effectively
- Monthly bulletin: [Sign up](#) to receive monthly training updates on all Save on Energy training and support for new tools and resources
- [Live training calendar](#): Visit this page to easily register for upcoming events and workshops
- [Training and support webpage](#): Visit this page to access all training and support materials

# A Podcast by Save on Energy: The Energy Manager's Playbook



Tune in on your preferred platform:  
[saveonenergy.ca/training-and-support/podcast](https://saveonenergy.ca/training-and-support/podcast)



Presented by IESO's Save on Energy training and support team:

- Real-world stories from Ontario's energy management community
- Industrial, institutional, commercial and municipal sectors
- Challenges, successes and practical insights
- Bite-sized, high-impact episodes

# Save on Energy's Capability Building Program

- Save on Energy's Capability Building Program helps increase awareness about energy-efficiency opportunities, enhance knowledge and develop skills in organizations and communities across Ontario so they can undertake energy-efficiency actions and participate in Save on Energy programs.
- The program includes tools such as workshops, [webinars](#), training courses, coaching, peer learning and information resources, including guides and videos.



Learn more at  
<https://saveonenergy.ca/Training-and-Support>  
Register at  
[www.saveonenergytraining.ca](http://www.saveonenergytraining.ca)

# Thank you

**[SaveOnEnergy.ca](https://www.saveonenergy.ca)**

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