

# Strategic Energy Management for the Industrial Sector



**We help you achieve your energy management goals.** As another member of your “energy team,” we provide support at all stages of your energy management program.

## Here’s How:

- ▶ **Getting Started:** We help you identify the first steps by facilitating an Energy Management Assessment (EMA) session with your key stakeholders. The resulting action plan provides the foundation for your Strategic Energy Management Plan (SEMP).
- ▶ **Program Development:** We help you establish an effective energy team, review and develop key policies to support the program, identify incentive programs and tools, work towards achieving ISO 50001 certification, and help you set up an effective energy monitoring and targeting (EM&T) system.
- ▶ **Ongoing Support:** We support you in identifying, assessing and building the business case for projects, developing and delivering an employee engagement program, and planning your EM&T next steps.
- ▶ **Renew and Refresh:** We can facilitate annual Energy Reviews for your energy team, help you refresh your SEM to keep it current and meaningful and evaluate successes and determine next steps.

Our team of technical staff include Certified Energy Managers, Certified Measurement and Verification Professionals (CMVP), an ISO Certified Practitioner in Energy Management Systems (CPeMS Industrial), and NCQLP Lighting Certified (LC) Design Professionals.

We can work one-on-one with organizations, or we can assemble a cohort-based program that will best suit your energy management needs.

## Case Study: New Gold’s New Afton Mine

Prism Engineering works with New Gold Mines on a number of initiatives including:

- developing and implementing an **Employee Engagement plan** as one of the requirements to achieve **ISO 50001 certification**
- designing and facilitating the **annual Energy Review** with the mine’s Energy Team
- supporting the use and interpretation of the site’s **EMIS system**
- evaluating project savings using **MT&R** techniques
- participating in the ISO 50001 **internal audit** that led to recertification with zero non-compliances

In early 2014, New Afton became the first mine in North America to be ISO 50001 certified.

*“Mining is energy intensive. At the New Afton Mine, a 1% reduction in energy costs is worth hundreds of thousands of dollars a year. With low commodity prices and increasing offshore competition, energy-efficiency improvement is one of the few places where we find increases in*

# We provide independent input and advice for your energy management program.

## CN Rail

We have worked with the Energy Manager to develop and implement technical energy management workshops as well as conducted a comprehensive review of their Energy Management Information Systems (EMIS) and provided recommendations.



## Copper Mountain

We supported the development of their SEMP and staff engagement program, as well as the completion of a Level 1 EM&T analysis.



## Freshwater Fisheries Society of BC

We developed and delivered EMA and customized staff engagement sessions and provided coaching on MT&R strategies. We are also currently supporting FFSBC to better understand how they can move towards compliance with ISO 50001.



## Freybe

We facilitated a day-long EMA and SEMP planning session, and worked closely with the Energy Manager to develop an EM&T system and carry out Level 1 analysis.



## Gibraltar Mines

In addition to facilitating EMA workshops and supporting the development of the SEMP, we helped develop the Energy Team. We also provided training to the team on Financial Analysis and MT&R and delivered site-wide operator training.



## Port of Vancouver

We supported the development of the Port's Strategic Energy Management Plan (SEMP) and encouraged tenant participation in their EM&T program. We are also helping design and deliver several office-based energy management initiatives.



## Teck Coal and Teck HVC

We worked with Teck Coal and HVC to facilitate full day EMA and SEMP development workshops at four mine sites. We also helped to create energy related communication materials.



## Vancouver International Airport

We have conducted an EMA and supported a complete redevelopment of the SEMP. We also conducted a review of Direct Digital Control (DDC) systems.



**Prism**  
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YEARS

*saving you energy*

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