

# ICE DRAGON INFO SHEET



## *Who is ICE Dragon?*

We tailor corrosion solutions to protect people, planet, and asset performance. We help you implement a proactive, prevention-based approach to maintenance planning, which leads to fewer surprises, lower long-term costs, and safer operations.

- **Specialist Knowledge:** We focus exclusively on corrosion and related asset degradation, offering deep technical knowledge combined with practical operations experience.
- **Proven Process:** We tailor our best practice framework (ICE Flow) to create corrosion / asset risk management programs that work for your organization. These structured approaches ensure control over maintenance budgets and corporate due diligence.
- **Empowering People:** We use our expertise to coach your teams toward excellent maintenance behaviors and empower them with knowledge to ensure asset resilience for the long term.

## *ICE Dragon Expert Knowledge*

ICE Dragon Corrosion has over 100 years of senior corrosion engineering experience.

Our team is specialized in corrosion and materials engineering, with many holding advanced degrees. We have significant client-operating experience in the organization, ensuring we understand the realities and constraints on the ground.

Our team has pioneered the development and implementation of a best practice Corrosion Risk Management framework which has been successfully used with our clients for over 10 years.

We are active in AMPP, with many personnel holding certification in coatings, cathodic protection, QA/QC.

**Want to discuss your corrosion matters with an expert?**

Email [admin@icedragoncorrosion.com](mailto:admin@icedragoncorrosion.com)

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## *ICE Dragon Services*

<b>Corrosion / Structural Audit</b>	We come to your site and assess current asset condition, identify solutions for urgent fixes and provide you with a data-informed, prioritized action plan to ensure you head in the right direction.
<b>Corrosion Engineering</b>	We carry out all aspects of corrosion engineering, supporting failure analysis, coating specs, material selection, cathodic protection and beyond. We make sure you get an approach that works and respects your constraints.
<b>Corrosion Risk Management Programs</b>	Whether you have widespread corrosion at site or concern with specific assets, we develop and implement best practice programs based on our proven framework. These programs ensure you remain in control of your corrosion risk over the long-term.
<b>Asset Integrity Management</b>	We work with site and corporate teams using our best practice framework to go beyond corrosion and pull in other disciplines to create full AIM programs.
<b>Our Practice Areas</b>	We have deep expertise in mining, marine infrastructure / vessels, transportation and energy. However, the team experience is broad, and we haven't seen a corrosion issue yet that we can't tackle!

## *Examples of ICE Dragon's Work*

### **Corrosion Control Plan for New Potash Mine**

- Developing a corrosion control policy for operations as part of the design phase.
- Combining the policy with a detailed plan for technical field data collection and monitoring.
- Optimizing Risk-Based Inspection (RBI) programs and corrosion maintenance activities.
- Creating corrosion models to predict service life.
- Providing data inputs to interface with the project's digital twin.
- SK, Canada



## *Examples of ICE Dragon's Work*

### Corrosion Control Plan for Operating Gold Mine

#### Project Background:

- Supporting the development of a site-wide corrosion management plan to ensure corrosion risk due to saline water is managed through operations.
- Designed to integrate (“zipper”) into existing asset management plan structure
- Providing corrosion engineering input into failures of piping, tanks, structures, and concrete.
- Designing an ongoing integrity management program
- Focusing on high-quality data collection to support future decision making, including budgets, resources, scheduling, risk, and service-life analysis.

### Addressing Corrosion at Sea with a Full CMP

#### Project Background:

- Designed and developed the CMP to match organizational culture and needs. The multi-stakeholder organisation is aligned to the CMP direction and leadership are in full support.
- Embedded ICE implementation teams to support client with training, hands-on coaching, corrosion audits, data collection. Etc.
- Full corrosion risk assessment of frigate completed to allow work/resource prioritisation and identification of solution opportunities.
- Cathodic protection design review and improvement.
  - Protective coating specification, product adoption, and testing program.
- Nunavut, Canada