



# **MSCP Company Profile**



# Company Background

MSCP Heat Management Solutions' sole purpose is to transform the energy sector's heat trace and insulation processes into a single heat management solution.

Our services encompass electrical heat tracing, control panel assembly, insulation, and rope access - all available in-house. Moreover, we supply all the materials required for the initial build, installation, repair, and maintenance. This eliminates the need for clients to shuffle multiple contracts, contractors, material manufacturers and vendors, invoices, and communications.

## A Unique Approach

Our comprehensive methodology encompasses all essential aspects of effective heat management. This unique approach is structured around our four key pillars.

### The Pillars of this Solution are:

- **Heat Management Technician** - A New Class of Professionals! Our technicians undergo a comprehensive cross discipline, documented train and test program in all areas of heat management including insulation, electrical heat trace, rope access and fireproofing. This enables them to complete the entire scope of work in a seamless, more efficient manner while achieving the highest levels of quality.
- **Planning and Vendor Managed Inventory (VMI)** - Uses the power of our digital platforms for effective granular planning of maintenance scope, workorders and MOC's. MSCP employs a specialized algorithm to monitor and replenish heat management materials in facilities, ensuring an efficient and reliable supply chain.
- **Monitoring and Preventative Maintenance** - With our monitoring and preventative maintenance solution, we automate the task of analyzing and prioritizing heat trace alarms, facilitating efficient identification of critical alarms for immediate resolution.
- **Documentation and Engineering** – Our technicians utilize tablets to ensure access to drawings, work instructions and safety documentation. They also carry out inspections, observations and identify any deficiencies in relation to the work scope. This is all captured and approved in real time through our Digital Work Packages.

# Our Services

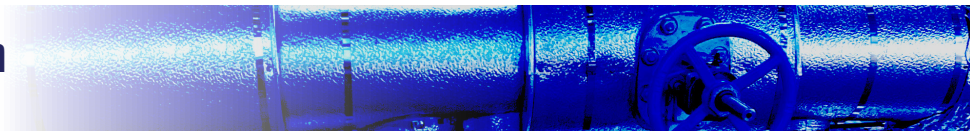
**Electrical Heat Tracing  
Installation & Management**



**Custom Panel Assembly**



**Insulation Installation**



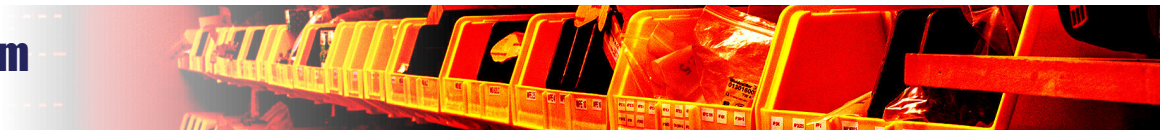
**Fire Proofing**



**Rope Access**



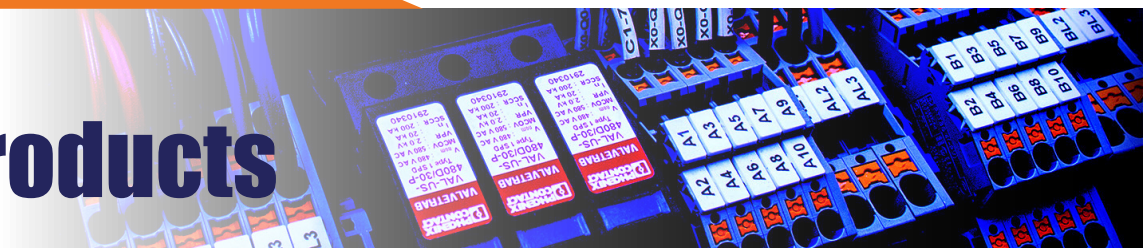
**VMI Program**



**Engineering**



# Our Products



## Heat Trace Cables

Thoroughly tested for ongoing reliability and cold temperature durability.

Products include:

- RTD Sensor - RTD-PM/PMXP
- Thermon HTSX Self-Regulating High Temperature Heating Cable
- Heating Cable Accessories
- Thermon BSX Self-Regulating Heating Cable
- Mineral Insulated Heating Cable
- MI Heating Cable Universal Splice Kit Accessories

## Heat Trace Panels & Enclosures

MSCP's custom-built electrical panels are expertly crafted in our CSA and ETL shops.

Products include:

- Single and Multi Point Heat Trace Controllers
- Power & Control Electrical Panels
- Temporary Power Panels and Skids
- MI Power and Splice Box-JBMI-1086
- MI Power and Splice Box-JBMI-864
- Custom Control Systems
- RTD Junction Box JBRTD-664

## Thermal Imaging Maintenance Inspection

Our state of the art UAV and thermal imaging technology help our customers achieve and maintain the required process temperatures and avoid temperature-related system failures.

Our team is quick to respond and fully equipped to mobilize to any remote site locations. We use our Transport Canada-certified MSCP drone/UAV pilots with thermal cameras to perform accurate inspections that detect potential issues such as:

- Wet or damaged insulation resulting in hot or cold spots.
- Improper insulation completion resulting in air gaps.
- Damaged or oversized insulation exposing the EHT.
- Excessive heat loss through heat sinks.

# More of Our Products

## Tubing Bundles

MSCP offers industrial-grade tubing bundles designed for freeze protection or temperature maintenance. These products are highly recommended for sample lines, small diameter process lines, and process instrument impulse lines as a cost-effective solution for permanent installations.

## Insulation

MSCP stocks, manufactures, and provides a selection of high-grade insulation products that minimize heat loss, mitigates corrosion problems, and ensures a smooth process for optimum economic life and safety in oil and gas operations.

Products include:

- Mineral Wool Insulation
- Removable Blanket Insulation
- Cryogenic Aerogel Insulation
- HT Aerogel Insulation
- Fiber Glass Insulation
- Calcium Silicate Insulation

## Cladding

MSCP provides a wide range of cladding that enhances the exterior finished structure, offers weather resistance, and increases the life of insulation. We provide cladding of various sizes, ranging from cladding on 1/4" OD piping to large tanks and pressure vessels.

Products include:

- Stainless Steel Straps
- Aluminum Cladding

## Corrosion Under Insulation Products

Innovative and cost effective solutions designed to mitigate the risk of Corrosion Under Insulation (CUI). We offer a wide range of products designed to address CUI issues in different applications. As part of a system approach to CUI mitigation and coupled with a quality driven installation process we can advise on the best combination of CUI mitigation products, EHT, Insulation and jacketing systems to protect piping and equipment from the risks of CUI.

## Geopolymer Solutions' FP250 Cold Fusion Concrete

The world's first and only UL1709-listed Geopolymer concrete fireproofing. CFC FP250 is composed of various elements such as fly ash, ground blast furnace slag, and other repurposed by-products from industrial applications that are highly durable and chemical resistant.



# MSCP School

MSCP believes in investing in our team members. Our goal is to help them develop technical and leadership skills that will help us provide excellent job quality and exceptional customer service.

Our dedicated, in-house training program provides our team members hands-on education by industry professionals on maintenance, engineering, and constructions. All employees undergo Level 1 training; however, individuals involved in on-site projects are required to complete all four levels for comprehensive field proficiency.

## **Heat Management Specialist Level 1**

### ***Introduction to Heat Management Systems***

Team members gain insights into effective teamwork within construction teams, learning the collaborative dynamics essential for successful project completion. The training also covers hazard recognition, various types of EHT and insulation used in industrial applications, and the tools and materials for constructing heat management systems.

## **Heat Management Specialist Level 2**

### ***Installation of Heat Management Systems***

Goes over installing required materials following MSCP's quality and production standards. Demonstrate an understanding of electrical testing equipment and identify incorrectly installed EHT and insulation during construction.

## **Heat Management Specialist Level 3**

### ***Programming, Troubleshooting, and Maintenance of EHT***

Team members complete tasks related to circuit programming based on setpoint schedules. Understand various communication types applicable in industrial contexts. Demonstrate troubleshooting skills, identifying and addressing issues, while being familiar with controllers and the software used.

## **Heat Management Specialist Level 4**

### ***Design and Engineering of Heat Management Systems***

Team members will be able to perform tasks related to field sketches and designs for heat trace and insulation systems. Conduct calculations associated with heat loss and heat up times. Develop a general understanding of RTD placement and control modes' impact on heat management systems, including designing and installing HMS systems for large equipment.

# Our Difference



Our holistic approach to heat management solutions examines your entire heating process, from the insulation envelope and heat tracing, all the way back to your controller. We develop a list of future-focused recommendations that will provide heat protection over the long term. We can demonstrate and have documented results showing that our model delivers significant cost savings while simultaneously increasing efficiency.

We believe that looking at the bigger picture and planning for the future are the keys to heat management success.

“ We continue to develop innovative, tech-based solutions that make heat management easier and more efficient for our clients. ”

**Chris Maki, CEO**

## Contact Information

*Let's Connect for a Better Heat Management Solution!*

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