



Cool Technology News That's Heating Up the Oil & Gas, Construction, Mining and Railroad Industries



Press Kit

What's Inside

Insightful information about Powerblanket and the great people who support us

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We're the "Hot Source" You Need for Your Story

Need a Source Expert on a new, patented technology that helps keep materials and sensitive equipment the optimal temperature while companies work outside?

Dear Reporter or Blogger,

Thank you for your interest in Powerblanket. We hope you've already visited our newsroom, where you can view recent news and announcements about Powerblanket, download the most current version of this press kit, and view our news coverage.

If you're looking for a source expert in new technologies that help companies...

- ✓ Work more effectively and efficiently in severe winter conditions (down to -40°F)
- ✓ Protect expensive materials and equipment during bitter cold spells
- ✓ Continue working longer into the bitter winter months
- ✓ In the oil and gas industries meet the higher winter demand

Or, if you're working on a story about...

- ✓ Disruptive/new technology for the oil, gas, construction, mining and railroad industries
- ✓ More efficient heating solutions that use less energy
- ✓ The fiscal benefits of using uniform-direction heating solutions
- ✓ How to reduce the risk of burning injuries in heating solutions

...Powerblanket can provide the expert you need for your story.

In fact, if you write or blog about any of these industries: oil & gas, construction, mining, railroad, sprayfoam, coatings, chemical, piping, valves, instrumentation, food processing, composites, precast, roofing, industrial, manufacturing, specialty gases, agriculture, dairy — we probably should connect.

To schedule an interview with us or for any other media-related inquiry, please complete the form in our newsroom.

If your matter is urgent, please contact:

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For Immediate Release

Oil, Gas, Construction and Mining Industries Warming up to Powerblanket's Patented Uniform-Heating Technology

When the winter chill sets in, companies lose profits, productivity and valuable equipment to freezing temperatures. With Powerblanket's uniform-heating technology, companies can put Mother Nature in her place and experience unprecedented winter success.

SALT LAKE CITY – Nov. 21, 2014 – Every January and February, the oil and gas industry struggles to meet peak consumer demands due to equipment breakdown, power outages and the other unrelenting physical effects of freezing temperatures. According to the U.S. Energy Information Administration, residual fuel consumption in the U.S. jumped from an average of 220,000 barrels a day (b/d) during December 2013 and early January to 471,000 b/d in mid-January.

Companies in the construction and mining industries likewise suffer during the winter, losing expensive equipment to rust and temperature damage, spending exorbitant amounts of money to heat necessary fluids, struggling to thaw the frozen ground, and fighting to keep pipes insulated and functioning.

To combat the annual effects of severe cold weather, companies resort to various heating means to keep their assets from freezing. Solutions may include an insulated blanket wrapped around a propane tank, a heated tube inserted into a pipe, or a flexible, silicone rubber heating pad cut to the measurements of your equipment. Methods vary greatly in terms of price, longevity and effectiveness.

"When choosing a heating solution, companies need to make sure the solution provides uniform heat, is reliable at sub-zero temperatures, is cost-effective and can be custom-fitted," said Powerblanket President Brent Reddekopp.

According to Reddekopp, the company's "Powerblanket" product line — featuring patented technology — delivers a barrier of uniform-directional heat that maintains optimal temperatures necessary for preventing fluids from freezing in temperatures down to -40°F. A pliable electrical heating element is located between the first and the second cover layers and its purpose is twofold: it includes a heat-generating element for converting electrical current to heat energy and it also features a heat-spreading element comprising carbon thermally coupled to the heat generating element.



PowerBlanket's patented technology delivers a barrier of uniform-directional heat that maintains optimal temperatures necessary for preventing fluids from freezing at temperatures as low as -40°F.

– MORE –

Oil, Gas, Construction and Mining Industries Warming up to Powerblanket's Patented Uniform-Heating Technology (cont.)

"Powerblanket barrel and bucket heaters are a drastic improvement over the original band heaters we used to offer," said Mike Roberts, manager at Howard Marten Fluid Technologies in Ontario, Canada. "We no longer have to worry about overheating or unpredictable thermostats."

Over the years, the company's technology has been used for frac tanks, frac water heaters, propane tanks, 500-gallon gravity flow tanks, pipes and manifolds, valves and instrumentation, railroad breaker bars, large tanks and wind blade epoxy curing. Powerblanket products are certified to UL/CSA/CE standards and conform to ANSI/UL STD 499 and CAN/CSA C22.2 NO 130. Our hazardous location products (CID2-T4) conform to the ISA12.12.01 and CSA C22.2 No. 213 standards. These products are certified to cETLus Class I Division 2, Groups A, B, C & D with Temperature Classification T4.

For more information, visit www.powerblanket.com.

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About Powerblanket

PowerBlanket's mission is to use its patented heating technology to help the oil and gas, construction, mining, railroad and other industries continue serving customers worldwide in freezing weather conditions. Powerblanket's innovative, heat-spreading technology is an efficient, economical, freeze-protection solution for viscous and temperature sensitive materials, equipment, pipes, tanks and other applications in temperatures as low as -40°F. This technology not only creates a barrier between expensive equipment and extreme cold, but it also can be customized to fit snugly around practically any object. All Powerblanket products are certified to UL/CSA/CE standards and conform to ANSI/UL STD 499 and CAN/CSA C22.2 NO 130. The company's hazardous location products (CID2-T4) conform to the ISA12.12.01 and CSA C22.2 No. 213 standards and are certified to cETLus Class I Division 2, Groups A, B, C & D with Temperature Classification T4. Powerblanket was founded in 2005 in Salt Lake City, Utah. For more information, visit www.powerblanket.com.

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For Immediate Release

Powerblanket Technology Poised to Replace Traditional Band Heaters

Older-style band heaters have long dominated the industrial heating sector as a go-to heating solution. Powerblanket's modern band heaters and blankets offer an alternative solution, giving companies added safety features, uniform heat, and lowered overall costs.

SALT LAKE CITY – Dec. 17, 2014 – Every year, companies worldwide that work outside year round have a challenge: keeping materials in millions of barrels and drums from freezing when cold weather sets in. Until recently, the most common way to accomplish this was by using traditional band heaters, in-line heaters, or by storing materials in climate-controlled rooms.

Advancements in technology such as freeze protection continue to improve, and companies in the oil, gas, construction and mining industries are learning to adapt. However, there are still companies in these industries that are protecting equipment and materials from freezing temperatures by using traditional band heaters based on decades-old technology.

Salt Lake City-based Powerblanket saw an opportunity in the market to create a more efficient, effective and safer method for freeze protection.

"Severe weather can absolutely wreck havoc on companies who are unable to keep their barrels, drums, pipelines and equipment from freezing," said Powerblanket President Brent Reddekopp.

Unlike traditional band heaters, which employ a small strip of material attached to a large drum, Powerblanket's design envelops the whole drum within a carbon fiber material that spreads heat evenly over a large area. This prevents overheating in one area and insufficient heating in others.

"Not only do the old-style band heaters deliver inconsistent heat, but they're also so hot that if you can burn yourself if you touch it," said Reddekopp. "One design feature our customers really like is our products can be touched, handled and even moved while they're on."

Powerblanket's patented technology is a multi-layer design that uses industrial-grade insulation. It provides uniform-directional heat that maintains optimal temperatures necessary for preventing fluids from freezing in temperatures down to -40°F. The outer winter-proof vinyl cover provides additional protection from the elements. It runs on a standard 120V, 20-amp wall outlet.

Studies reveal the Powerblanket 720-watt drum heater is 180% more effective in achieving maximum water temperature than the 1200-watt, 4-inch silicone band heater (110°F vs. 61°F) and 25% more efficient in power usage (660 Watts vs. 880 Watts). In addition, Powerblanket is nearly 500% more effective in preventing freezing from maximum achieved temperature if the power is off (164 hours vs. 33 hours).



PowerBlanket's drum heater (left) is more efficient, effective and safer than the traditional band heater.

– MORE –

Powerblanket Technology Poised to Replace Traditional Band Heaters (cont.)

Reddekopp predicts Powerblanket will replace the traditional band heaters.

"We've created a next-generation product," said Reddekopp. "Powerblanket will keep things warm and dry in crisis situations, as well as protect companies from inventory replacement, down time and costly employee time off."

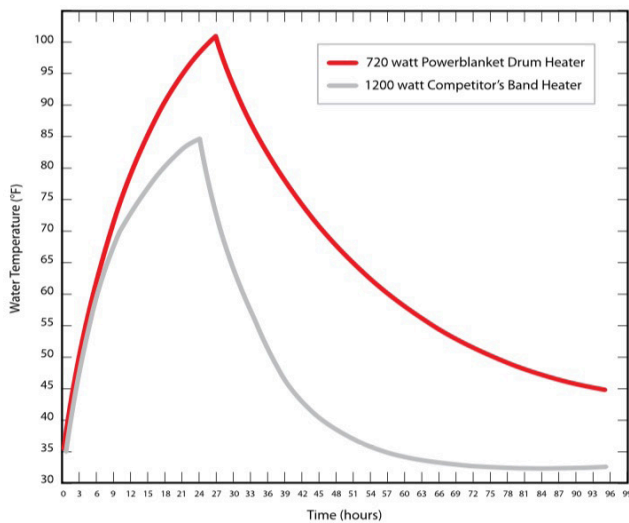
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About Powerblanket

PowerBlanket's mission is to use its patented heating technology to help the oil and gas, construction, mining, railroad and other industries continue serving customers worldwide in freezing weather conditions. Powerblanket's innovative, heat-spreading technology is an efficient, economical, freeze-protection solution for viscous and temperature sensitive materials, equipment, pipes, tanks and other applications in temperatures as low as -40°F. This technology not only creates a barrier between expensive equipment and extreme cold, but it also can be customized to fit snugly around practically any object. All Powerblanket products are certified to UL/CSA/CE standards and conform to ANSI/UL STD 499 and CAN/CSA C22.2 NO 130. The company's hazardous location products (CID2-T4) conform to the ISA12.12.01 and CSA C22.2 No. 213 standards and are certified to cETLus Class I Division 2, Groups A, B, C & D with Temperature Classification T4. Powerblanket was founded in 2005 in Salt Lake City, Utah. For more information, visit www.powerblanket.com.

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Above: This graph shows how PowerBlanket's drum heater retains heat much longer than the traditional band heater.

Below: A comparison chart showing the increased efficiency of Powerblanket's patented technology vs. the traditional band heater.

	POWERBLANKET® DRUM HEATER	4" SILICONE BAND HEATER
WATTAGE	720	1200
MAXIMUM TEMPERATURE ABOVE AMBIENT	110°F	61°F
TIME TO REACH 70°F ABOVE AMBIENT TEMPERATURE	24 HOURS	NOT CAPABLE
TIME FOR WATER TO FALL TO AMBIENT TEMPERATURE (UNPOWERED HEATERS)	164 HOURS	33 HOURS

Powerblanket's Mission, Vision, Etc.

Mission

To use our patented heating technology to help the oil and gas, construction, mining, railroad and other industries continue serving customers worldwide in freezing weather conditions.

Strategic Excellence Position

- **People Are Our Greatest Assets:** People, not money or things, are our greatest assets. We want the people who work with us to feel passionate about our values and success.
- **Our Customers Always Receive Outstanding Service:** Outstanding products and service bring the customers back to do more business.
- **Kaizen (Constant Unending Improvement):** Pursue all tasks with the idea that they can be accomplished in a better way every day. To achieve excellence, we must feel compelled to improve.

Core Values

- Passion
- Engagement
- Results-oriented
- Exactness
- Integrity
- Accountability
- Persistence
- Trust
- Candor

Timeline

2005

Powerblanket established in Salt Lake City, Utah.

January 2010

Powerblanket cement curing blankets are used on critical portion of Kansas City bridge

2011

Ryan Mecham is named Chief Operating Officer of the company.

January 2013

Powerblanket changes locations to an expansive 58,000-square-foot building.

February 2013

Launches new Smart Blanket drum heater to prevent burned product

April 2013

Brent Reddekopp is appointed President of the company.

June 2014

Randy Jensen joins as Executive VP of Sales.

Powerblanket attends the Global Petroleum Show in Calgary, Alberta.

Fact Sheet

Here's what we're all about!

CORPORATE HEADQUARTERS

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ABOUT POWERBLANKET

PowerBlanket's mission is to use its patented heating technology to help the oil and gas, construction, mining, railroad and other industries continue serving customers worldwide in freezing weather conditions. Powerblanket's innovative, heat-spreading technology is an efficient, economical, freeze-protection solution for viscous and temperature sensitive materials, equipment, pipes, tanks and other applications in temperatures as low as 40°F. This technology not only creates a barrier between expensive equipment and extreme cold, but it also can be customized to fit snugly around practically any object. All Powerblanket products are certified to UL/CSA/CE standards and conform to ANSI/UL STD 499 and CAN/CSA C22.2 NO 130. The company's hazardous location products (CID2-T4) conform to the ISA12.12.01 and CSA C22.2 No. 213 standards and are certified to cETLus Class I Division 2, Groups A, B, C & D with Temperature Classification T4. Powerblanket was founded in 2005 in Salt Lake City, Utah. For more information, visit www.powerblanket.com.

EXECUTIVE TEAM

Brent Reddekopp, President
Randy Jensen, Executive VP of Sales
Ryan Mecham, Chief Operating Officer

NUMBER OF EMPLOYEES

50 (Increased to 70 during winter)

POWERBLANKET'S TARGET MARKETS

- Oil & Gas
- Construction
- Mining
- Railroad
- Sprayfoam
- Coatings
- Chemical
- Piping
- Valves
- Instrumentation
- Food Processing
- Composites
- Precast
- Roofing
- Industrial
- Manufacturing
- Specialty Gases
- Agriculture
- Dairy
- And more...

FAQ

What questions do you have about Powerblanket?

Q: What is Powerblanket's patent?

A: Greenheat, the parent company, has a patent on heat-spreading technology.

Q: What does Powerblanket help protect against?

A: Powerblanket products can help you protect your assets against the threat of failure, downtime and hazardous conditions.

Q: What are the other common uses of Powerblanket?

A: Ground thawing, as well as curing epoxy and concrete.

Q: Does a Powerblanket barrel heater cost more than a traditional band heater?

A: The pricing is comparable, but the efficiency, effectiveness and safety of the Powerblanket barrel heater are vastly superior to a traditional band heater.

Q: Do you have standard sizes or do you also customize?

A: Both.

Q. How can I find out how Powerblanket specifically affects my industry of interest?

A: We have a myriad of options for you: Powerblanket.com breaks down products per industry, [Our blog](#) regularly posts on industry-specific news, and we're happy to answer any more additional questions you might have.

Q. How safe are Powerblanket's products?

A: Very safe. The unique, uniform-direction technology makes the blankets safe to touch. In addition, all Powerblanket products are certified to industry standards of safety.

Q. Can you rent Powerblanket products?

A: Every Powerblanket product is available for rent through our [website](#).

Why do Customers Love Powerblanket?

Feedback from a few satisfied Powerblanket customers

"Powerblanket responded to my needs with my custom application quickly and effectively. They designed, manufactured and shipped my product within several days, enabling my customer to have the blankets by their deadline — which prevented their product from damaging and freezing. I was impressed with the Powerblanket representatives, as well as their responsiveness and ability to understand my urgent need when I was in a crucial time crunch."

– **Guy Blasingame**, *National Manager – Field Operations*
ChemRock Technologies, L.L.C. /Rapid Drilling Fluids
Lafayette, LA

"We're extremely satisfied with the change to Powerblanket barrel heaters. Powerblanket's unique technology allows our containers of coatings and materials to be heated evenly and quickly, opposed to band heaters, which concentrate heat in one spot and can char product; sometimes contaminating the entire container and rendering it unusable. Their barrel heaters protect the entire container from ambient conditions thus maintaining optimal operating temperature."

– **Mike Roberts**, *Manager*
Howard Marten Fluid Technologies Inc.
Pickering, Ontario, Canada

"Upon the implementation of using our new DEF system to stay compliant with EPA regulations, Powerblanket provided an effective and energy efficient freeze protection system with its DEF Tote Heater System. We installed the unit and forgot about it, knowing our product is being protected, which gives us peace of mind."

– **Jerri Brumfield**

"Your blankets are absolutely excellent. Thanks to the Powerblanket, we're able to quickly thaw the ground and complete our job. In fact, we estimate a savings of 10 hours per site equaling a savings of \$5,000 already. Calculating this to our thousands of sites, the savings is huge! We're excited about the time and money Powerblanket has saved us and look forward to future savings."

– **Kim Herman**, *OSP/COEI Operations Manager*
Precision Utilities Group Inc.
Fort Wayne, IN

Why do Customers Love Powerblanket?

(Cont.)

"We didn't have the time to wait out the winter for the temperatures to become more moderate. The Powerblanket heating blankets certainly played an important role in keeping us on schedule and not having to postpone the pour on an important Kansas City bridge."

– **Dale Helming**, *Project Manager*
Massman Construction Co.
Kansas City, MO

"We rely on Powerblanket products to keep our company and men working throughout the winter months. Some of the material we use in our applications aren't workable in the colder temperatures. Before using Powerblanket products, we had no choice but to shut the jobs down for months. As you can imagine, this affected all aspects of our business. Powerblanket products allow us to keep our operation up and running year round — providing steady cash flow, service to our customers and security to our employees and their families, which is priceless."

– **Erik Kramer**
Kramer & Son Inc. Roofing and Sheet Metal

"Just dropping you a note to say how much Halo appreciates your Powerblanket products. The drum heaters allowed us to warm up our polyurethane to 160°F when the temperature was minus 52°C (-61°F). Your blankets are awesome!"

– **Ernie Knopke**
Halo Environmental Ltd.
Airdrie, Alberta, Canada

"Powerblanket, your blankets have been wonderful to work with. Our Totes are outside and have been kept warm and protected from the harsh conditions here in the cold Rocky Mountains. We have loved the functionality of these blankets because they are extremely easy to wrap around our totes, strap shut, plug in, and maintain desired temperature with the thermostatic controllers Powerblanket has kept our company running efficiently and retaining profit."

– **Eric**, *Project Manager*
A Colorado energy company

"We use propane in a large volumes — over ½ ton each night per event. Each of our cylinders are wrapped with a Powerblanket Gas Cylinder Heater, extending the allowable duration at least 60%. This equates to hundreds of usable lbs. of propane per night. In addition, the UL listing and safety ratings of the Powerblanket products resolve the concerns of the site safety managers, AHJ's (Authorities Having Jurisdiction) and Fire Marshals."

– **Shannon Stillman**, *Pyro Engineer*
Thor Productions

Powerblanket Case Studies

Our technology saves companies money by solving heating and freezing problems.

A large US railroad company that uses Powerblanket heaters is able to keep snow off the tracks by applying the Powerblanket Gas Cylinder Warmers to their 1000-pound propane tanks, which power their generators along the railway system. Before using the Powerblanket heaters, the cold temperatures kept the propane from vaporizing, which meant there was not enough pressure in the tank to run the generators.

Vern Fiehler, of Quick Road Repair in Alaska, saves money by keeping his product from overheating, which is what happened with his previous method of heating. Vern was meeting with the field maintenance crew of the Juneau Alaska International Airport to demonstrate his product, Instant Road Repair. For his demonstration, he tried to bring the IRR up to a workable temperature by using a forced air ceramic heater. During his presentation the product was not performing well and to his surprise, he discovered that his product overheated 40°F / 22°C above the maximum recommended temperature. That not only cost him the entire pallet of material but he was also embarrassed. Since then, Vern uses the Powerblanket Hot Box.

Walsh Construction saved more than \$5.43 for every \$1 spent on Powerblanket heating blankets during a wintertime cold weather concrete job. They calculated this based on cost of labor and materials to build and move heated enclosures along two-and-one-half miles of a concrete canal wall built for the Illinois Waterway.

Executive Team

Meet our Leaders!



Brent Reddekopp, President

Brent was appointed Powerblanket president in April 2013, after working as executive VP sales and marketing. He's responsible for all functional organizations for the company, including sales, marketing, manufacturing, new product introductions, operations and engineering. Brent has expertise in solution selling, six sigma, lean manufacturing, product development, sales process, marketing, strategic planning, operations management, start-ups and TQM. He previously was a partner at Hyperion Consulting Services. Brent has a Bachelor of Science degree in Engineering from Brigham Young University.



Randy Jensen, Executive VP of Sales

Randy came on board with Powerblanket in June 2014. He's passionate about helping people and in making a difference in their lives. Randy has a track record of helping individuals as well as organizations in learning the system of sales. As an experienced performance coach, he's an expert at helping people to manage interference in their lives so that they can achieve success. He was previously a consultant/performance coach for Griffin Hill. Randy is a graduate of Brigham Young University.



Ryan Mecham, Chief Operating Officer

Ryan, after becoming COO of the company in 2011, quickly implemented his "lean leader" thinking by enabling a continuous improvement (Kaizen) culture based on the Toyota/Thinking Production System. After just a few years, he and his team members reduced the cost of goods sold as a percentage of sales by 8.1 percent, reduced the total operating expenses as a percentage of sales by 5.5 percent, and reduced direct labor as a percentage of sales by 3.8 percent while implementing a wage and career path for the manufacturing team and raising wages for 79 percent of the team. As a result, cycle time was reduced by 713%; work in process reduced by 78%; capacity increased by 149%; and sales increased by 279%. Prior to Powerblanket, Ryan was the Director of Government Relations for the Insight Benefits Group. He has a Master of Public Administration from the University of Utah.

Powerblanket Press Contact Info

Your source expert on freeze protection.

Want the inside scoop? Stay current on all our news!

Press Contact:

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or

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Connect with Powerblanket:

YouTube: <http://bit.do/powerblanket>

Twitter: @Powerblanket

Facebook: /Powerblanket

Google+: <http://bit.do/g-powerblanket>

LinkedIn: /Company/powerblanket

Powerblanket featured in these news outlets and blogs:



[Powerblanket to offer first heater for packaged DEF](#)



[Powerblanket Extra-Hot blankets accelerate cold weather jobs](#)

[Powerblanket protects machinery during cold winter months](#)

Pipeline & Gas Journal

Product Feature: Powerblanket Valve Heaters (link forthcoming)



Powerblanket's Technology (link forthcoming)