



DAIRYLAND
ELECTRICAL INDUSTRIES

2022 COMPANY CATALOG

Since 1983, our goal at Dairyland has been to make a safer world. From our beginnings, solving stray voltage issues on dairy farms, to our global impact in the pipeline and high-power industries, we have decades of experience building rugged, reliable products that last.



DAIRYLAND
ELECTRICAL INDUSTRIES

DAIRYLAND.COM // 608.877.9900





HOW HENRY TACHICK BET THE FARM

Many iconic brands got their start in surprisingly modest settings: Harley-Davidson built its first motorized bicycles at the turn of the 20th century in a small shed in Milwaukee. In the early 1980s, Apple and Hewlett-Packard built their first computer hardware in residential garages in the Bay Area of northern California.

Dairyland Electrical Industries has an equally down-to-earth origin story. The company began when Henry Tachick was in the right place at the right time with an inventor's mindset. As demand for his clever products grew, the family farm played a starring role as Dairyland's first manufacturing facility. To get the fledgling company off the ground, he literally had to "bet the farm."

STARTING A BUSINESS USING INVENTIVE PROBLEM SOLVING

In 1982, while working as a manufacturing sales representative, a utility customer asked Henry for help in proposing an isolation transformer that would electrically separate the utility's neutral line from the neutral line of a farm. They wanted to eliminate stray voltage that can sometimes exist on a power utility neutral, preventing it from entering a dairy farm and having adverse implications on the health and milk production of the cows.

In the process of considering this request, Henry believed there was a better and less costly way to accomplish this objective by using a voltage-triggered electronic isolation switch. The utility was receptive to his proposal and were willing to conduct tests of a prototype device on their system. Henry assembled a prototype which he called the Neutral Isolator, and set out to validate his invention through both field and lab testing.

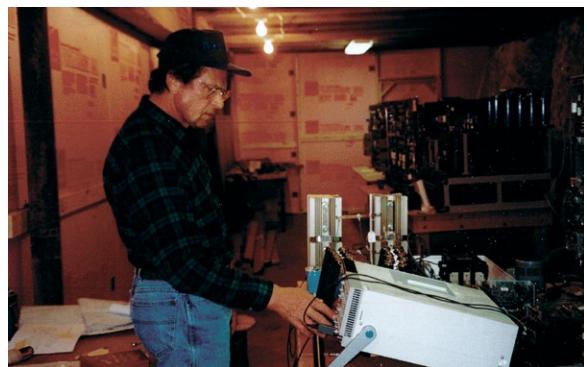
Henry started selling the Neutral Isolator in early 1983. Initially it was built by a contract manufacturer, but Henry soon realized that the device's construction was so manageable that he and his family could assemble Neutral Isolators themselves. So he set up a small shop in the milk house of the family farm he grew up on, and put his two teenage children to work assembling Neutral Isolators. "They worked their way through high school and paid their own way through college doing this," he recalls.

BETTING THE FARM

Inventing a product is only the first step to developing a successful business. While Henry had a marketable product that would meet the needs of potential customers, the success of the business was still in question. Each year, Henry would have to bet big on the future success of the Neutral Isolator.

To finance the young company's operations, Henry borrowed money from the bank, using the family farm as collateral. While this represented a confident move, it soon became apparent that Dairyland's future was more expansive than he could have ever imagined.

As customers began installing Neutral Isolators, they soon found new uses for a variation that Henry had not envisioned. A case in point: A utility in northern Indiana discovered the Neutral Isolator could be used for DC isolation, addressing several issues associated with the required corrosion protection of underground gas pipelines. In this application, the customer was using Neutral Isolators to replace polarization cells that were being used for this purpose.



INNOVATION FOR THE CORROSION INDUSTRY

This new application, combined with another groundbreaking leap in product development, would change Dairyland's future forever. Investigating the corrosion industry's use of polarization cells, Henry found another opportunity for innovative product design. Polarization cells were used to block DC current and operate as a low impedance to ground AC current. But these devices needed routine maintenance and required workers to wear protective clothing due to the caustic bath of potassium hydroxide they contained.

Henry discovered that the ideal device for corrosion industry applications was a solid-state and maintenance-free device that blocked DC current and grounded AC current. As a result, this new product was easily adapted to the corrosion industry, where it is referred to as a "decoupler." It has since become the major part of Dairyland's business.

Much to Henry's surprise, his solid-state decoupler design took the power utility corrosion industry by storm, replacing most existing polarization cells with a significantly more reliable, maintenance-free solution. Soon after, the other segments of the corrosion industry, such as underground pipeline



companies, expressed interest in lower-rated decouplers that would meet the needs in their segments of the corrosion market.

Dairyland soon joined the National Association of Corrosion Engineers (NACE), which helped give the company and its cutting-edge products much needed visibility. "It opened up a lot of doors for us, and was key to how we sold the product to the corrosion market. For years, my son Mike and I crisscrossed the country, presenting technical papers about pipeline corrosion problems at NACE regional and national events," Henry recalls. "It wasn't a hard sell. We just talked about the problems we knew they had on corrosion systems, and how to solve them."

It quickly became apparent that there was a real need for products to assist in the corrosion protection of gas and liquid pipelines. The requirement for these devices was demanding. They needed to electrically isolate sections of pipelines to improve corrosion protection schemes while also safely grounding AC faults and lightning. In addition, most of these pipelines were being forced into corridors with electric power transmission lines, so induced AC was a growing concern that Dairyland's decouplers had to address.

Dairyland's solid state decouplers have been, and continue to be, a rugged solution for a variety of



electrical applications worldwide with an outstanding reliability record. Their applications have expanded to include storage tank decoupling, gradient control mat isolation, and galvanic isolation of boats when plugged into shore power in a marina.

GROWING INTO A COMPANY THAT CARES

Dairyland has grown significantly from its start in a milk house on the family farm. Dairyland's product lines have increased and Dairyland products have been installed for a variety of applications all over the world. "I never dreamed that the company would grow to its current size," Henry recalls. "I just enjoyed experimenting and helping people solve electrical problems." Despite Dairyland's growing size, that focus on solving problems and helping others continues to influence the company. Dairyland's focus on great products, and reliable service to others is a core part of every facet of the business. President Mike Tachick says, "We believe that our words and actions matter and others will be able to tell if we truly care or not. Our goal is to deliver exceptional value and outstanding service to our customers, prospects, and employees. The better we operate, the better we can serve others."

THE PRODUCT THAT STARTED IT ALL

Dairyland customers around the world trust our innovative, high-quality products to address a wide variety of application challenges. Our rugged, reliable product designs were shaped by our company's first product: the Neutral Isolator. Armed with a problem-solving mindset and a desire to serve the industry with quality solutions, Henry Tachick invented the Neutral Isolator to address stray voltage on dairy farms.

In a farm setting, the power utility may want to bond their grounded primary neutral to your secondary neutral for safety. However, stray voltage from this bonding can affect dairy cattle and other livestock and is generally seen as a nuisance that should be prevented.

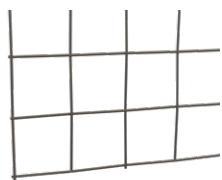
The Dairyland Variable Threshold Neutral Isolator (VTNI) isolates these two neutrals and effectively prevents stray voltage from affecting livestock. If the voltage rises on either system due to lightning or an AC fault, the device instantly connects to allow safety grounding, before reverting to its standard operating mode. Dairyland's VTNI meets requirements for an isolation product (NESC 97D2).

Now, over 30 years later, Henry Tachick's innovative approach to solving application challenges with the VTNI continues to shape Dairyland's future. With a solution-oriented mindset, Dairyland builds products to address challenging isolation, grounding and filtering applications in a variety of industries around the world.



BUILT TO LAST

Dairyland Electrical Industries is the world's leading manufacturer of solid-state decoupling products for the corrosion protection industry. We've been making rugged and reliable products since 1983. After more than 35 years, nearly every one of them is still in service.



GCM
GRADIENT CONTROL MAT
PAGE 38



ISP
SOLID-STATE DECOUPLER
PAGE 44



OVP
OVER-VOLTAGE PROTECTOR
PAGE 34



OVP2
OVER-VOLTAGE PROTECTOR
PAGE 34



PCR
SOLID-STATE DECOUPLER
PAGE 22



PCRH
SOLID-STATE DECOUPLER
PAGE 22



PCRX
SOLID-STATE DECOUPLER
PAGE 24



SSD
SOLID-STATE DECOUPLER
PAGE 23



ULTRABOX
PREMIUM JUNCTION BOX
PAGE 46



VTNI
NEUTRAL ISOLATOR
PAGE 08

ACCESSORIES

Dairyland offers a full line of product accessories, designed to meet all of your installation needs.

Complete details can be found at Dairyland.com/accessories



WHAT OUR CUSTOMERS ARE SAYING



ARK Engineering has been recommending, designing with, and installing Dairyland products for almost 30 years! Their products operate effectively and stand up to all field conditions. Their technical support team is excellent and provides top-notch service to our engineering design team and our installation staff. We have nothing but praise for their products and service.

— Bob Allen, Founder
ARK Engineering & Technical Services, Inc.

I have been using Dairyland products for 30+ years for AC mitigation and surge & lightning protection. They have the most reliable and innovative products in the industry!

— Jeff Didas
Senior Corrosion Engineer

We specify Dairyland equipment in all our AC mitigation designs. The products and tech support are first rate!

— Bill Snyder
RK&K

Farwest Corrosion has had the privilege of working with Dairyland for over 20 years. Their products, solutions, and technical support are superior in every way. The entire Dairyland team is a pleasure to work with and their service exceeds expectations. It is always a pleasure working with Dairyland — they have been a wonderful partner.

— Troy Rankin, President
Farwest Corrosion Control Company

In my experience working with Dairyland, their Customer Service and Technical Service teams are very easy to work with. They ask the right questions and have the product knowledge to help get you the right product needed for your application.

— Josh Schmeisser
MESA



LIVE ENGAGED

INVESTING IN A SAFER WORLD

Since the company was founded in 1983, Dairyland's owners have emphasized the importance of investing in others. Today, investment in people remains a core value that shapes our company culture, impacting how we treat our customers and how we interact with the world around us. In 2018, Dairyland created Live Engaged: an outward expression of our company culture and core values with a goal of sharing our vision with others, inspiring them to consider how they might Live Engaged.

SO WHAT DOES IT MEAN TO LIVE ENGAGED?

Our goal is for Live Engaged to be an ever-expanding network for good, focused on living intentionally to improve ourselves as individuals while working to positively impact the world around us. Live Engaged means becoming healthier individuals, happier employees, and doing our part to create a safer world for everyone in it. At Dairyland, we focus on the following four elements that encompass the whole spirit of Live Engaged:

INVEST IN YOURSELF: As the old saying goes, you cannot pour from an empty cup. This sentiment is our starting point. In order to Live Engaged, we must make time for ourselves so we can thrive as individuals and bring more to those around us.

SHOW UP FOR YOUR CIRCLE: Our circle is defined by those who are most important and ever-present in our lives. In choosing to meaningfully connect with family, friends, coworkers, and neighbors, we are communicating how much we value them and our relationships. We Live Engaged by being present with those closest to us through the ups and downs of life.

STRENGTHEN YOUR COMMUNITY: There is no greater place to start giving of your time, talents, and resources than your own community. We experience a sense of home, comfort, and safety in our communities, but this may not be the same experience for every community member. When we partner with local organizations, their time and resources can be put back into the community, helping those who need it most.

TRANSFORM THE WORLD: Live Engaged is about standing together against poverty, injustice, and suffering around the globe. Our team works hard to deliver industry-leading products to our customers, knowing that in each sale a portion of our revenue is donated to partner organizations who are making an impact across the globe.

THANK YOU

When you partner with Dairyland, you help us live out our vision to make a safer world. You allow us to Live Engaged and create an impact in our local communities and around the world.

In 2021, because of your support, we've made a difference in the following ways:

18,576
MEALS PACKED
AND SHIPPED
TO HAITI
in partnership with

523
DAIRYLAND VOLUNTEER
HOURS SPENT IN OUR
LOCAL COMMUNITIES

100+

PARTICIPANTS IN
OUR FIRST EVER
LIVE ENGAGED
VOLUNTEER DAY

2,100

MEALS PACKED AND DELIVERED
WITHIN OUR LOCAL COMMUNITIES

900

HOURS OF PERSONAL
DEVELOPMENT TIME
COMPLETED BY THE DAIRYLAND TEAM



Illustrated within this publication are many examples of how our Dairyland family lives engaged. We hope these stories might inspire you to adopt the four elements of Live Engaged in your own life, circle, and communities around you.

For more information on Live Engaged and ideas on how to get started, visit dairyland.com/live-engaged.

—
PROVIDED FINANCIAL
SUPPORT TO **SEVEN**
LOCAL + GLOBAL PARTNERS



BUILDING SAFETY IN THE UNREST

PARTNERING WITH: SAMARITAN'S PURSE

Our Live Engaged initiative was born from our desire to make a safer world. We believe that everyone should have an opportunity to flourish, and we stand together in the fight against poverty, injustice, and suffering around the globe. As we strive to achieve a safer world for everyone, we partner with organizations that have a proven track record of effectively and compassionately transforming vulnerable communities.

In 2016, one of Dairyland's longtime global partners, Samaritan's Purse (SP), invited the Tachick family—Mike, Logan, and Kailey—to join them in South Sudan to witness first-hand the work being done throughout the region. They had the opportunity to witness and learn about the diverse programming implemented by SP across the region, in relief and development capacities – both core components of Dairyland's mission.

South Sudan is one of the world's newest countries, and has been plagued by unrest since its establishment, both in conflict with its neighbor Sudan and through civil war. Dairyland has been

particularly concerned about this region of the world and designated our giving over the years to support the care of highly vulnerable men, women, and children fleeing unrest and persecution. Repeated bombings of this group's homeland not only left them unsafe and vulnerable, but their largely agricultural livelihoods were also destroyed and normal programs like education became impossible.

In South Sudan, Mike, Logan, and Kailey spent time in three areas: the capital city of Juba, Mayndit, and at the Yida Refugee Camp. Samaritan's Purse is highly regarded throughout the region and was entrusted by the World Food Programme to oversee all food operations in Yida Refugee Camp. At the camp, the Tachicks witnessed for themselves the large-scale feeding operations providing monthly rations for over 60,000 people. They also learned about water, sanitation, and hygiene objectives (well drilling, water distribution, latrines, etc.), maternal and infant health initiatives, and youth-led peace initiatives.

"Even as longtime partners, there can still be disconnect from the work itself, the communities it



is contextualized in, and the impact it generates. These trips cast vision of what is possible through partnership and the resilience of community members," Kailey reflects. "We didn't go to South Sudan with the intention of fixing everything, or to save people, we went to learn and connect."

Samaritan's Purse's presence in the region has been notable. Through their work, people who have fled their home country are being fed and offered shelter; clean water is being made accessible through the drilling of freshwater wells, benefiting public health and education; and emotional support is being fostered and extended among a highly traumatized population. Because of these efforts and their ripple effects, individuals and families are helping to lift themselves out of poverty, engage in meaningful work, and create a better future for their children.

"It's interesting, tragic actually, that this situation could have been just a headline to me," says Kailey. "Tucked away in the comfort and ease of my life, I have the privilege of being able to miss what's happening in a country so geographically distant from me."

I think about this trip regularly. It informs—maybe more than I even realize—the way I think about migration, poverty, power, and the difference between relief and development responses. When stats are forgotten, images and memories often stay with us. The trip further connected me to the work of our partners and a sense of urgency that their beneficiaries cannot be forgotten.

— Kailey Dharam, Organizational Development Liaison



STRENGTHENING OUR COMMUNITY

BUILDING AN INCLUSIVE SUMMER CAMP



Live Engaged consistently reminds us how important and impactful it is to give our time, talents, and resources to local organizations who, in turn, change the lives of others in the community. Camp Daniel is one example of a non-profit organization making a positive impact in their community. Located near our manufacturing facility in northern Wisconsin, Camp Daniel provides a safe summer camp experience for people with disabilities, adapting to meet each of their individual needs. Through their summer camping program and activities, they offer each camper a safe and fun camping experience, while also meeting the unique physical, social, and emotional needs of each individual.

The Camp Daniel grounds were purchased in 1996 on Little Newton Lake in Athelstane, Wisconsin. Since then, the campus has been constructed largely through volunteer time and labor. This allows Camp Daniel to stretch their monetary donations as far as possible and still complete projects at a steady pace.

While looking for volunteer opportunities for the manufacturing team, Dairyland became aware of Camp Daniel's need for hard working volunteers. Joe Mutchler, Dairyland's Manufacturing Floor Lead

and engagement coordinator, arranged for several volunteer opportunities, allowing the production and supply chain teams to take turns contributing without disrupting production.

Dairyland volunteer teams have been trusted to use their experience and expertise to contribute to various large scale construction projects in an initiative to complete the Camp Daniel campus for the safest and most accessible camp experience. The partnership has been something our team has enjoyed, and they've even started to look for additional ways to support Camp Daniel – including donating earnings from the sale of copper scraps they had been collecting for more than three years.

Not only were needs met and progress made, but we gained insight into an organization within the local community that in turn serves another part of the community – people with disabilities. And so it goes, helping people that are themselves engaged in helping others.

— Jeff Hucek, Dairyland Production Specialist



Full-time Camp Daniel staff members, Evan and Anissa Hartwig, commented, "Camp Daniel is so thankful for the individuals at Dairyland Electrical for taking the time to volunteer with our small non-profit. Their hard work and good attitudes were recognized and so appreciated. Through your kindness and generosity we can change the lives of people with disabilities."

As our partnership extends into the future, the work being done at Camp Daniel will continue to meet a valuable need. Through each interaction with campers, staff at Camp Daniel will continue to deliver a valuable message: that each camper has inherent value.



MORE THAN A FISHING TRIP

LIVE ENGAGED: EVAN + FISHING

Evan, a Production Specialist at Dairyland, knows firsthand that for many military veterans, life after duty is not always easy. After growing up in Northern Wisconsin, Evan enlisted in the United States National Guard when he turned 18 and soon after was deployed to Iraq. After completing his tour and serving nearly six years with the National Guard, Evan found that his experience overseas had stuck with him and made a lasting impression.

Evan has always been passionate about fishing, and his earliest memories include time spent fishing on the area lakes. After returning from Iraq, he again picked up his hobby, even taking it to a new level by starting a business building one-of-a-kind fishing rods.

With his own military service in mind, Evan began searching for ways to encourage and support fellow veterans. He used Facebook to search for veteran-specific groups and opportunities and discovered a fishing trip offered through an organization called Fishing with Vets, to which he applied immediately.

During his initial Fishing with Vets trip in Minnesota, Evan met fellow veterans of all ages – some closer in age to him and others who would speak of their time serving in Vietnam and the lasting impact it had on them. It was a community he instantly felt welcomed into, leading to friendships that still exist today.

That initial fishing trip led to several others, and it didn't take long for Evan to become more involved with the Fishing with Vets organization. For trips he is unable to attend himself, Evan will donate one of his custom designed fishing rods as a prize for the veteran who catches the biggest fish of the week.

Evan's dedication to Fishing with Vets prompted the organization to ask if he would help them expand into Wisconsin by leading his own trip and he did exactly that earlier this year.

"The stories were amazing. Multiple times just talking and laughing with people I got lightheaded," Evan recalled of his time leading the Wisconsin Fishing with Vets trip. He continued, "Just being with people and sharing stories and laughs – nothing special really, but you know, in a day and a half, a complete stranger could make you feel you've been friends your whole life."

Evan has found the contribution that fits with who he is, the experiences that have shaped him, and the skills he uniquely has to offer. "I have a lot of friends who can do a lot more for others than I can," he says. "But I have fishing, so that's what I've focused on."

I can't help you frame a room or change the transmission on your car, but I can probably put a fish on the end of your line.

— Evan Kazik, Dairyland Production Specialist

And that is exactly what it means to Live Engaged: to do what you can with what you have.

Custom fishing rod designed by Evan



FLYING FOR PURPOSE

LIVE ENGAGED: MIKE + AVIATION

Aviation Fellowship, a nonprofit organization that offers aviation, communications, and learning technology services to humanitarian programs in the Americas, Africa, and countries of the Asia-Pacific region. In many of these remote areas, the geography—be it mountains, desert, or otherwise—limits people from traveling long distances to receive medical care. This is one example of how MAF volunteers step in to deliver life-saving equipment and medical supplies, or to transport patients to medical facilities. As an avid pilot and experienced business owner, Mike recently joined the executive board of MAF, and now provides guidance and encouragement to their team that supports over 1,000 humanitarian nonprofits around the world.

Some of the problems organizations face are not easy to rectify quickly. Aviation is an answer to remote operations. Sometimes a ten-minute flight can replace a week-long hike.

— Mike Tachick, Dairyland President

Mike also serves as a volunteer pilot with Angel Flight, a nonprofit summarized best by their tagline, "people flying people in need." Certified pilot volunteers, like Mike, take people with non-emergency medical treatment needs around or across the country to receive care at no cost to the patient. This could mean helping people with medical conditions who cannot afford to fly or delivering blood products in emergency situations. Mike added, "I was looking for ways to use my passions to serve others. Angel Flight is a perfect fit to help others and do something I'm excited about."



HOW YOU MAKE IT MATTERS

A TEAM APPROACH TO MANUFACTURING

Dairyland customers enjoy quality products that are rugged, reliable, and boast an impeccable performance rating across our numerous product lines. No department at Dairyland impacts the final product that is put in our customer's hands more than our manufacturing team. Together, through a team approach, they drive the quality and performance that our customers have come to expect from Dairyland products.

Our manufacturing philosophy really starts with our people. Located in the small rural town of Pound, Wisconsin, our talented manufacturing team is comprised of experienced, hard-working individuals who each bring new ideas and perspectives to the company. Though their backgrounds and experiences may differ, the team stands unified through common core values and one specific goal: to serve the industry world-wide by building rugged and reliable products people can trust.

Our hands-on approach and thorough cross-training play a huge role in delivering the high-quality products customers expect. Every product that goes out the door at Dairyland is made by an extensively trained and experienced shop floor employee. We

manually build and inspect every product without the use of robots or other automated processes, ensuring a hands-on quality build. Our team also emphasizes complete cross-training throughout the manufacturing process. Not only does this give our team great flexibility and efficiency, it also ensures that processes are clearly defined and well adopted across the board, resulting in consistent product quality. Our team members can go to any station throughout the day and work efficiently, delivering quality results to consistent standards.

Furthering our commitment to product quality, our manufacturing team also operates under UL, ATEX, IECEx, EAC, and ISO 9001 standards. We've diligently developed procedures that meet or exceed these standards and regularly audit them so that we know we are operating efficiently and are producing great quality products.

The end result is clear to our customers around the world: we build rugged, reliable products that you can trust to perform.



Our team is unified with a common goal. We build everything knowing that the Dairyland name is on the product and people around the world are putting their trust in us. We want each product to be perfect.

— Joel Wörtner
Manufacturing Manager



DAIRYLAND

SOLID-STATE DECOPULERS

PRODUCTS FOR EVERY APPLICATION



PCR

THE ORIGINAL SOLID-STATE
DECOPULER

Our original solid-state decoupler design, the PCR, replaced original polarization cell technology and established the use of solid-state decouplers around the world. The PCR features rugged, reliable performance, a wide range of fault current ratings, and additional configuration options, making it extremely versatile.



PCRH

THE ONLY DECOUPLER SUITABLE
FOR DIV1/ZONE 1 ENVIRONMENTS

The PCRH adds to the technology offering found in our PCR by featuring an explosion-proof package, making it suitable for use in Class 1, Division 1 and Zone 1 areas. The PCRH's extensive third-party certifications make it the first and only decoupler in the world suitable for these harsh environments.



SSD

THE MOST COMMONLY USED
DECOUPLER IN THE WORLD

The SSD uses proven, solid-state construction combined with innovative production and packaging techniques, to offer exceptional performance in a low-cost package. Conservative product ratings and versatile mounting accessories make it suitable for common applications including AC Mitigation and Insulated Joint Protection.

OVERVIEW: DC ISOLATION + AC GROUNDING
IN A SEALED, MAINTENANCE-FREE PACKAGE

KNOWN FOR: MOST RELIABLE DECOUPLER
PERFORMANCE IN THE WORLD

IMPROVE YOUR CP SYSTEM

Dairyland solid-state decouplers will isolate cathodically protected structures to improve system performance, ground hazardous events like AC faults and over-voltages, and protect against lightning.

DESIGN:

SELECTABLE
PRODUCT RATINGS
FAIL-SAFE +
MAINTENANCE-
FREE
SOLID-STATE
CONSTRUCTION
STANDARDIZED
MOUNTING
OPTIONS

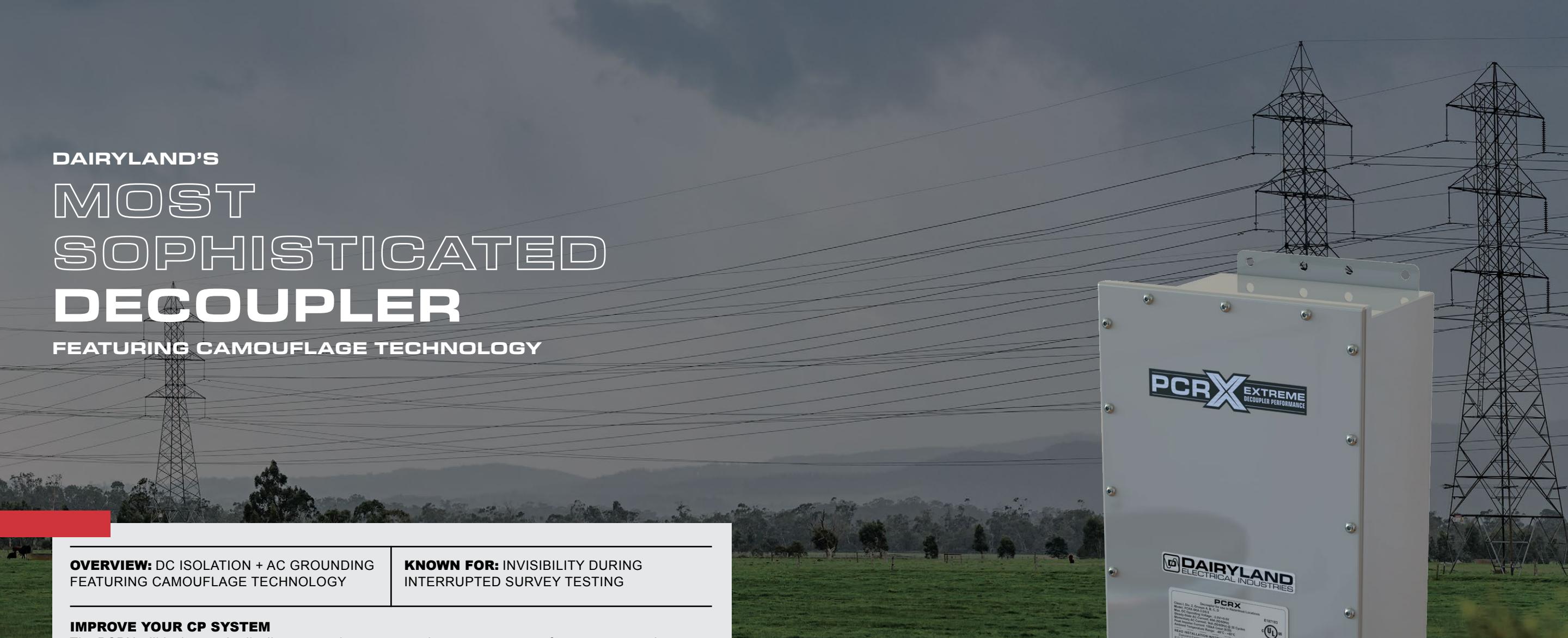
FEATURES:

IMPECCABLE
PERFORMANCE
RECORD
CONSERVATIVE
PRODUCT RATINGS
RATED TO
WITHSTAND
LIGHTNING
THIRD-PARTY
CERTIFIED

CLIENT TESTIMONIAL

"We've installed over 800 Dairyland devices on our system for AC mitigation and have not had one fail due to normal use. We are impressed with Dairyland products, and their support staff."





DAIRYLAND'S MOST SOPHISTICATED DECOUPLER

FEATURING CAMOUFLAGE TECHNOLOGY

OVERVIEW: DC ISOLATION + AC GROUNDING
FEATURING CAMOUFLAGE TECHNOLOGY

KNOWN FOR: INVISIBILITY DURING
INTERRUPTED SURVEY TESTING

IMPROVE YOUR CP SYSTEM

The PCRX will isolate cathodically protected structures to improve system performance, ground hazardous events like AC fault and over-voltages, and protect against lightning. Unlike other decouplers, the PCRX's camouflage technology renders it virtually invisible to interrupted survey testing, making it the most sophisticated decoupler in the world.

DESIGN:

STURDY
STAINLESS-STEEL
ENCLOSURE

FAIL-SAFE +
MAINTENANCE-FREE

PROVEN SOLID-STATE
CONSTRUCTION

RATED TO
WITHSTAND
LIGHTNING

FEATURES:

SOPHISTICATED
CAMOUFLAGE
TECHNOLOGY

SELECTABLE
PRODUCT RATINGS

SOLUTION TO
INTERRUPTED SURVEY
RESPONSE ISSUES

NUMEROUS
THIRD-PARTY
CERTIFICATIONS

CLIENT TESTIMONIAL

"Dairyland extensively tested various conditions on pipeline systems. The PCRX eliminated our CIS issue."



The PCRX is a solid-state decoupling device commonly used in conjunction with cathodically protected structures. It prevents the flow of direct current while simultaneously providing a ground path for steady-state induced AC, if present. The PCRX also offers over-voltage protection for both lightning and AC fault current conditions.

The PCRX provides the additional benefit of electronically camouflaging itself from interrupted surveys, including close interval surveys (CIS), preventing the device from contributing to errors in pipe-to-soil potential readings. Field testing has shown that interrupted surveys can sometimes be impacted by combinations of factors such as pipeline coatings, soil resistivity, and the capacitance of decouplers resulting in excessively electro-negative instant-off values. In most cases the PCRX completely solves this problem. The PCRX camouflages itself to overcome capacitive effects, ensuring accurate and timely pipe-to-soil potential measurements. It does this without sacrificing the rugged over-voltage, AC mitigation, CP isolation, and safety grounding of Dairyland's standard decoupling products.

AC VOLTAGE MITIGATION

APPLICATION OVERVIEW

When your pipeline shares a right of way with high-voltage power lines, the electromagnetic field on the power lines can induce unwanted voltage onto the pipeline. This steady-state AC voltage is a safety hazard for personnel and can contribute to corrosion problems. In order to mitigate this voltage, you require an effective grounding path that will continue to isolate DC voltage for cathodic protection.

Dairyland decouplers provide you with an effective grounding path that mitigates induced AC, while simultaneously maintaining DC isolation. This is possible due to the nature of a Dairyland decoupler which simultaneously provides a low resistance to AC and high resistance to DC. As a result, your CP system will continue to work efficiently and personnel will be safe from unwanted AC interference.

RECOMMENDED PRODUCTS





DECOUPLING ELECTRICAL EQUIPMENT

APPLICATION OVERVIEW

All electrical equipment attached to your pipeline requires a bond to ground to meet code requirements. However, grounded equipment such as motor-operated valves will short any DC current from cathodic protection systems. Your equipment needs to maintain effective grounding paths for safety, while also maintaining DC isolation so that your CP system can effectively protect against corrosion.

One authorized method for providing DC isolation while simultaneously grounding AC for motors and other equipment is to use a Dairyland product certified for use in a safety grounding conductor. Once installed, the decoupler eliminates direct bonds that will short-circuit your CP system, thereby improving system performance. Proper product selection is critical and must factor in hazardous location classification, induced AC, and blocking threshold needs for CP voltage.

RECOMMENDED PRODUCTS



DECOUPLING FROM UTILITY GROUNDING SYSTEMS

APPLICATION OVERVIEW

Your CP system may be trying to protect your utility's ground rods, greatly increasing demand for DC current and ultimately decreasing cathodic protection to unacceptable levels. This happens if your site's grounding system is tied to the utility's grounding system, bonding the two, forcing your CP system to try to protect the power company grounding system as well.

Your power company can install a Dairyland PCR at the transformer, providing DC isolation and AC grounding between the two systems, thereby isolating your CP system from the power utility grounding system. This will minimize the CP current requirements for your site allowing acceptable CP voltage for protection.

RECOMMENDED PRODUCT





DAIRYLAND GUARANTEE: ALWAYS RUGGED



Since our start in 1983, Dairyland has grown to be an industry leader, with products sold into more than 80 countries, solving a wide variety of application challenges. Customers around the globe trust us to provide them with safe, reliable products that work in the harshest technical and environmental challenges that they face. What makes our products so dependable? It starts with our design motto: **ALWAYS RUGGED**.

BUILDING PRODUCTS THAT LAST

At Dairyland, our goal is to make a safer world. We work tirelessly to deliver to our customers the safest, most reliable products on the market.

Our product design philosophy is quite simple: we strive to build decouplers that don't fail, are easy to use, and need no regular maintenance.

Building products that deliver on the Always Rugged promise requires extensive effort across many departments. Product development begins in our engineering department where our teams use a detailed research and development process to conservatively design products that exceed all reasonable field conditions. Once initial designs are completed, products go through extensive testing in numerous real-world conditions and we gather feedback directly from prospective



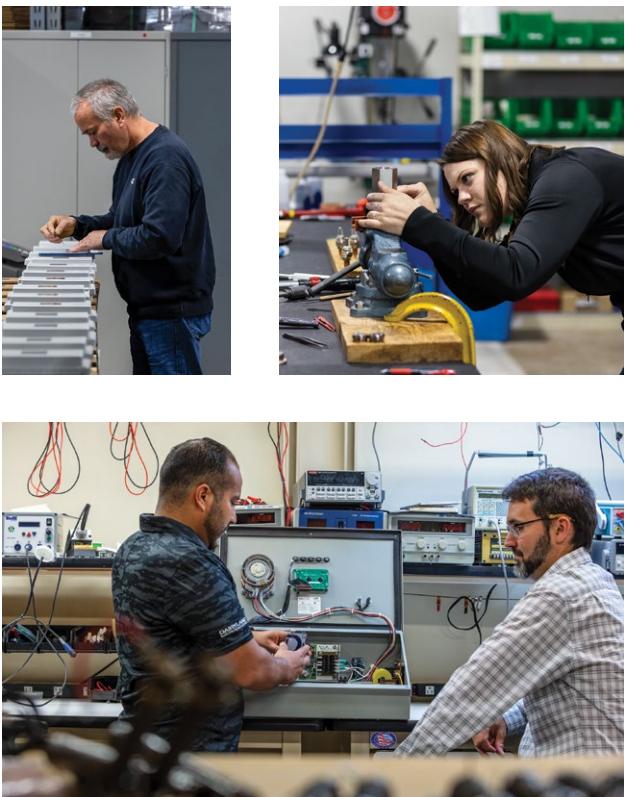
customers for a refinement phase, ensuring that the final product brought to market is impeccably designed and easy to use.

Robust designs are just the first step. Next, our supply chain department sources quality parts to meet tight specifications. We look closely for partners that have robust quality systems, treat their employees well, and maintain professional, well-kept manufacturing spaces. This won't always mean selecting the cheapest materials, but it leads to well-built, quality components that we can rely on – part of our Always Rugged philosophy.

Finally, our manufacturing team uses detailed quality assurance programs to guarantee that all products are built to the highest quality. From refined processes to inspection and product testing, our teams are dedicated to efficiently and consistently building high-quality products. Dairyland is also certified to ISO 9001:2015 quality requirements, ensuring that all processes are regularly evaluated, audited, and improved upon, resulting in premium manufacturing capabilities.

ALWAYS RUGGED VERIFICATION

Decouplers are critical for protecting expensive assets and keeping personnel and the public safe, and we hold ourselves to a very high Always Rugged

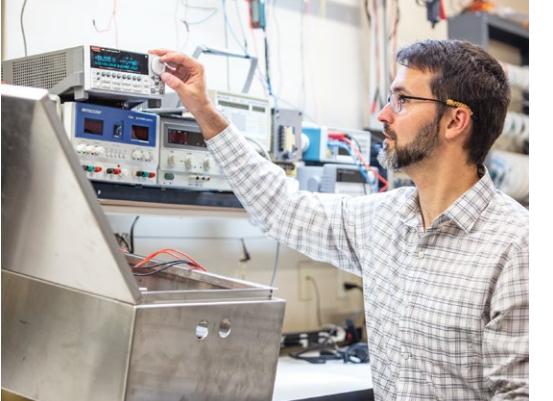


standard. With this much on the line, you need to be certain that your decouplers will perform as specified.

Confirming that Dairyland products do what we say they do is our top priority. We maintain an extensive list of internationally recognized third-party product certifications, which verify that our products conform to the recommended electrical and safety codes, and confirm their performance against harsh conditions. Despite the cost and time commitment associated with maintaining these certifications, we insist upon it because it's important. Our customers can rest assured that their Dairyland products meet all critical performance requirements, fail-safe operation, and address hazardous location needs to ensure product performance, longevity, and safety.

PERFORMANCE YOU CAN TRUST

We are working hard to make a safer world, but we're not finished yet. Dairyland products are used across the globe to address complex application challenges and maintain a failure rate of less than 0.01%. When you invest in Dairyland products you'll receive premium products that are suited for extreme conditions, resulting in protection for your equipment and safety for your personnel. We're excited to support you along the way.



WHEN QUALITY MATTERS

MANAGING RELIABILITY
THROUGH OUR SUPPLY CHAIN

SOLVING THE NEXT PUZZLE

DELIVERING VALUE THROUGH ENGINEERED PROBLEM SOLVING

For more than 30 years, Dairyland has diligently pursued problem solving. In fact, “be solution oriented” is one of the core values that we strive to be characterized by. Our engineering department is uniquely positioned to live out that mantra.

Our talented engineering group engages with both our internal staff and our customers to solve problems, answer questions, and bring new and valuable solutions to market. Whether solving a complex application problem through innovative new product designs, introducing new, easy-to-use mounting arrangements, or improving on manufacturing processes, our engineering team’s goal is to deliver sound, well-designed solutions. In that pursuit, our engineering team’s primary focus is to set others up for success; whether it is a customer using our products to solve a challenging application in the field or helping our own production team be able to repeatedly build rugged and reliable products.

Our engineering team draws on over 100 years of combined experience, and we are continuously striving to solve challenging problems through innovative, high-quality product designs.

— Randy Hilgart, Engineering Manager

To ensure the quality of our engineering team’s product solutions, most of our devices are extensively tested and hold a robust list of third-party certifications. The certification process is elaborate and thorough, allowing us to refine product designs to ensure that they will meet the industry’s harsh requirements. Our team’s solution-oriented focus, combined with an emphasis on third-party verification, results in rugged and reliable products for your toughest applications.

Supply chain practices are critical to developing the rugged and reliable products that our customers depend on. At Dairyland, we’ve placed an emphasis on sourcing quality parts from trusted suppliers from the very beginning. Our supply chain team is a critical component for delivering premium quality products to our customers on time.

Creating a supply chain process that adds value to our customers entails more than most people realize. This includes managing supplier relationships in addition to monitoring manufacturing, scheduling, and production processes. It also serves as a critical strategic function involving risk management, monitoring of global climates and political actions, reviewing of precious metal indexes, and more. Careful analysis is a part of a supply chain strategy that ensures our products are built and delivered to the standard you expect.

One of the more notable areas that sets Dairyland apart is in the selection of our suppliers. Suppliers work as an extension of Dairyland and we hold them to a high standard that aligns with our values.

We set ourselves apart by selecting suppliers who do business the right way and are ethical business partners. If this is part of their character, you can trust their product.

— Mitchell Christensen, Supply Chain Manager

One of the ways we do this is through regular and thorough supplier visits. During these audits, our suppliers’ quality systems are extensively reviewed, ensuring they perform to the standards that they claim. However, supplier visits are about more than their processes. Often the most valuable insight comes from things they don’t know are being evaluated. We speak with employees from all departments—from the front office through production—about their work life and watch for signs of employee health, safety, and clean working environments.

“How they treat their workspace is a good indication of how they are going to treat their business relationships. If spaces are taken care of, and employees are valued and well cared for, it’s a good indicator of the type of business relationships they’ll have and the quality of product they’ll put out,” says Mitchell.

While our supply chain strategy is multifaceted, the focus throughout remains consistent – we thoroughly and rigorously manage every aspect with our customers in mind. The result is clear: quality rugged and reliable products.



DAIRYLAND

OVER-VOLTAGE PROTECTORS

RUGGED PRODUCTS BUILT TO LAST

Dairyland's OVP product line specializes in over-voltage protection of insulated joints. It is the premier option when lightning or AC fault current is a concern, but no induced AC voltage is present. Both devices feature solid-state, fail-safe designs, with substantial ratings for fault current and lightning surge current.

The OVP model is certified for use in Class 1, Division 1 and Zone 1 hazardous locations, with explosion-proof construction.

The OVP2 model is classified for use in Class 1, Division 2 and Zone 2 environments, in a lighter-weight, lower cost package.



OVERVIEW: MOST RELIABLE OVER-VOLTAGE PROTECTION IN THE INDUSTRY

KNOWN FOR: PROTECTING INSULATED JOINTS FROM LIGHTNING AND AC FAULT CURRENT

PROTECT YOUR INSULATED JOINTS

Dairyland over-voltage protectors safeguard against lightning strikes and AC faults, extending the life of insulated joints with their maintenance-free operation and an essentially limitless lifespan.

DESIGN:

SELECTABLE PRODUCT RATINGS

FAIL-SAFE + MAINTENANCE-FREE

SOLID-STATE CONSTRUCTION ELIMINATES ARCING

STANDARDIZED MOUNTING OPTIONS

FEATURES:

IMPECCABLE PERFORMANCE RECORD

CONSERVATIVE PRODUCT RATINGS

AC FAULT CURRENT AND LIGHTNING PROTECTION

NUMEROUS THIRD-PARTY CERTIFICATIONS



OVP ONLY



AIRPORT FUELING SYSTEMS ISOLATION/BONDING

APPLICATION OVERVIEW

Your airport fueling system requires cathodic protection to prevent corrosion. Underground piping is typically sectionalized via insulated joints to maintain proper levels of DC current. However, during an AC fault or lightning event, arcing can occur across a joint with high levels of current, causing damage to your equipment and injury to your personnel.

If your system contains motors or other electrical equipment, their grounding systems can inadvertently short CP current flow to ground, reducing overall efficiency of the CP system. You need a device that can solve safety and efficiency issues and withstand hazardous conditions.

Dairyland offers several solutions to protect against over-voltage while maintaining adequate CP voltage. You can protect

insulated joints, using an appropriately rated over-voltage protector, such as our OVP or OVP2. Rated to handle AC fault current and lightning, they will simultaneously block the flow of DC current, maintaining your cathodic protection system. The OVP and OVP2 (Division 2) are UL certified and specified by the US Army Corp of Engineers for worldwide use in military airport fueling systems. Their fail-safe design ensures the safety of your personnel during a fault event, and the solid-state components give our devices a virtually unlimited lifespan.

RECOMMENDED PRODUCTS



OVP OVP2

ISOLATION JOINT PROTECTION

APPLICATION OVERVIEW

Isolation joints are a common way to isolate sections of pipeline and maintain adequate CP voltage. However, they are vulnerable to over-voltage damage from lightning or AC fault events. Voltage can build to dangerous levels on one side of the joint, causing personnel hazards and eventual failure of the insulation. Current can arc over the joint and potentially ignite flammable materials present due to the failed insulation gasket. Damaged areas can occur along miles of pipeline and must be repaired to ensure full insulation, adding to your operation's maintenance costs.

Dairyland supplies a range of devices to protect isolation joints from lightning and AC fault current by limiting the voltage to safe levels while providing a conduction path around the joint. At the same time, a Dairyland decoupler or OVP device will also block DC voltage from cathodic protection on your pipeline, maintaining appropriate CP isolation. Our fail-safe design will always protect your technicians and equipment from dangerous levels of voltage and will never require maintenance.

RECOMMENDED PRODUCTS





GRADIENT CONTROL MAT DECOUPLING

APPLICATION OVERVIEW

There are many sources of potentially dangerous voltage that can appear on your pipeline including voltage from induced AC, voltages from AC fault current, and lightning strikes. In order to provide protection for workers from dangerous step and touch potentials, you likely want to use a gradient control mat. Common industry mat designs have notable deficiencies in their designs, limiting their effectiveness. Additionally, gradient control mats can impact cathodic protection system levels, due to the need to connect them directly to your pipeline.

Dairyland's Gradient Control Mat (GCM) is designed in a grid-type configuration, limiting step and touch potentials for a safer work environment around your pipeline. The 3" by 3" grid design has been thoroughly engineered and tested to provide the necessary performance requirements to provide worker safety. To eliminate any potential adverse impact on CP system performance, a Dairyland SSD is recommended to decouple the mat from the pipeline and eliminate any interaction with your CP system.

RECOMMENDED PRODUCTS



DECOUPLING TANK GROUNDING SYSTEMS

APPLICATION OVERVIEW

Local tank grounds, as well as grounding conductors for electrical equipment, will tie the cathodically protected tank to additional in-earth structures, requiring excessive CP current. The tanks must be locally grounded to protect your equipment and your personnel. However, the bond to ground will drastically increase the amount of CP current needed to prevent corrosion. How can you maintain both lightning protection and CP efficiency?

All Dairyland products provide excellent over-voltage protection for lightning effects, as well as AC faults, and block CP current that would otherwise short to your tank grounds. If your tank farm uses insulated joints to aid in DC isolation, the life and quality of the joint can be protected using a Dairyland product. Dairyland's rugged solid-state construction and fail-safe design will ensure your tank has reliable CP levels and over-voltage protection in place.

RECOMMENDED PRODUCTS



DAIRYLAND GUARANTEE: ALWAYS RELIABLE

For more than 30 years, Dairyland has sought to be an innovative leader for the corrosion prevention industry – not only by providing rugged products, but also reliable support. Our team has a genuine passion for the work they do, and they strive to make your experience as simple and straightforward as possible. Whether you are still researching your application challenges or you are deep into an installation in the field and need some troubleshooting backup, we're here to support you.

A portfolio of rugged and fail-safe products, and our commitment to reliable tech and customer support are what sets Dairyland apart, making us a trusted partner to our customers around the world. Here's how we aim to deliver on our Always Reliable commitment.

LISTENING TO OUR CUSTOMERS

Whether you are brand new to Dairyland or an experienced user of our products, we want to develop a strong connection with you. This starts by listening to your questions, suggestions, and concerns to truly understand your unique situation. In fact, our active listening has led to many of our innovations over the past three decades – through conversations with industry professionals just like you. By listening to customer concerns and needs, Dairyland has pioneered new technologies and set new standards in the market in order to solve problems – everything from isolation issues in CP systems to over-voltage protection from lightning and AC fault current. In the end, it all comes down to listening and understanding your needs. So whether you have product questions, application challenges, or even have a new product idea, we'll be ready to listen carefully and assist in any way we can.

BUILDING SAFE, RELIABLE PRODUCTS

Listening is only part of the story. When you choose a solution, you want to know that it will reliably perform. When you buy a product from Dairyland, you can expect unmatched safety features and a virtually

unlimited lifespan. Through refined engineering methods, quality supply chain practices, and robust manufacturing processes, Dairyland products have been proven in a wide variety of applications around the world. Our product failure rate across product lines is less than 0.01%. It all adds up to reliable product solutions that you can trust to perform.

STRONG TECHNICAL RESOURCES

A commitment to great products requires more than quality engineering and design. Part of our Always Reliable guarantee is to provide excellent technical training and support to our customers. In fact, we travel around the world to present extensive technical training at industry conferences and to individual companies. Through our expertise in isolation and grounding, we are a strong resource within the corrosion prevention industry.

We want you to be able to use and understand your product with ease, so you can have full confidence in its reliability. Our self-service knowledge base is an online resource full of white papers, application guides, videos, and interactive tools. In addition, our technical support team is always ready to assist by providing clear, thoroughly researched answers to your inquiries.

COMMITMENT TO YOU

At the end of the day, our commitment to reliability is about you. Our teams are passionate and dedicated to understanding your needs and providing reliable products and service in all situations. We aim to be generous with our time and experience and are willing to assist you, even if you don't end up needing a Dairyland product. We look forward to hearing from you soon!





WE'RE HERE TO HELP

DELIVERING OUTSTANDING SERVICE TO EVERY CUSTOMER

Whether you're new to Dairyland or a long-time customer, our customer service team will help you get answers – fast! Our emphasis on service has been an integral part of Dairyland's culture since Henry Tachick founded the company in 1983 and continues to be a part of our company's culture today.

While our emphasis on reliable service permeates throughout the company, no team is a better reflection of our pursuit than our customer service team. The team works regularly with our customers, each of whom has unique backgrounds and needs. All of our daily interactions are important, whether they are with industry colleagues, long-time customers, industry partners, or individuals looking to purchase Dairyland products for the first time. Regardless of your request or need, our team works quickly to respond to emails and phone calls, provide quotations, and process orders. If they're unable to answer your questions on the spot, they'll even track down answers from our engineering and technical support teams.

Our customer service team is passionate about what we do and committed to delivering excellent service. The valuable relationships we develop fuel us and drive us to deliver outstanding service and a positive experience for every customer that we serve.

— Amy Wedell, Customer Service Manager

To deliver on our commitment to being "Always Reliable", we set high standards for our customer service team and measure it continually. Our customers love our turn-around times for quotes, orders, and general inquiries, and report over a 98% favorability rating of our customer experience. Performance on these processes are monitored and reviewed regularly, as a part of Dairyland's ISO 9001:2015 certification, allowing us to emphasize continuous improvement.

This all adds up to a core value that is extremely important to us: people have inherent value. That means we truly value you and that your story matters to us. Regardless of your need, the Dairyland team is here to serve you as quickly and expertly as possible.

100% ON TIME QUOTE 4 HOURS
ON TIME ORDERING 8 HOURS

CUSTOMER SATISFACTION **98.4%**

94% ON TIME SHIPPING

MONTHLY CUSTOMER INTERACTIONS **3000**

ALL METRICS FROM JANUARY–SEPTEMBER 2021

Dairyland's company vision can be summarized simply as, "to make a safer world". This objective is carried out in a variety of ways across the company, but one team in particular works on the front lines. Our business development team interfaces directly with distributors, corrosion specialists, technicians, and engineers to help solve complex performance and safety challenges in the energy industry.

At Dairyland, business development isn't just about selling great products. More importantly, we pride ourselves on being a reliable resource for complete technical guidance on applications and products associated with isolation, grounding, over-voltage protection, and related issues. Our team has over 75 years of technical experience and an in-depth knowledge of Dairyland product offerings and industry solutions. We make sure your technical questions, application challenges, or product inquiries are thoroughly researched, and that you know how to proceed – even if you don't end up needing our products.

Education and sharing of our technical expertise shapes our business development team significantly.

AVERAGE RESPONSE TIME
LESS THAN

1 HOUR

ALL METRICS FROM JANUARY–SEPTEMBER 2021

SUPPORT YOU CAN TRUST

SOLVING YOUR TOUGHEST APPLICATION CHALLENGES

We are frequent presenters at seminars both domestically and internationally; attending or speaking at over 30 tradeshows annually. If you can't meet us at an industry event, you can join our team online for one of our regular webinars.

Often you may need to contact our team directly for questions unique to your application. Our business development team's response time is typically less than an hour and often times you'll find yourself speaking to an expert within minutes.

The Dairyland business development team has loads of practical experience — from engineering all the way through field applications. We are a great resource for anyone with decoupler application questions, and if we can't solve your issue with one of our solutions, we will point you in the right direction.

— Phil Eggen, Business Development Manager

TECH SUPPORT SATISFACTION RATING

97%

WEBINAR ATTENDEES IN 2021

DAIRYLAND'S

HIGH-POWER DECOUPLER

PREFERRED DEVICE OF POWER UTILITY COMPANIES

ISP ISOLATOR/SURGE PROTECTOR

The ISP is the original solid-state AC conducting and DC blocking device designed for the corrosion prevention industry and features the most flexible and wide range of product ratings and applications available to the market.



CLASSIFICATION: SOLID-STATE DECOUPLER

KNOWN FOR: HIGH POWER DECOUPLING

OVERVIEW: DC DECOUPLING WITH WIDE RANGE OF RATINGS MAKING IT APPROPRIATE FOR POWER TRANSMISSION SYSTEMS

IMPROVE YOUR CP SYSTEM

The ISP will isolate cathodically protected structures to improve system performance, providing the widest range of features and ratings of Dairyland's decouplers, including the highest levels of AC fault-handling capability – up to the highest typical transmission system faults.

DESIGN:

FAIL-SAFE +
MAINTENANCE-FREE

COMPATIBLE WITH
IN-SITU TESTER FOR
COMPREHENSIVE TESTING

OPTIONAL
SUBMERSIBLE
ENCLOSURE

RATED TO
WITHSTAND
LIGHTNING

FEATURES:

IMPECCABLE
PERFORMANCE
RECORD

FAIL-SAFE CONSTRUCTION
WITH BUILT IN SELF-
PROTECTION FEATURES

HIGHEST FAULT
CURRENT RATINGS
AVAILABLE

CONSERVATIVE
PRODUCT
RATINGS

CLIENT TESTIMONIAL:

"In terms of product reliability and reputation, no other product line exceeds Dairyland."



DECOUPLING POWER CABLE SHEATHS/CASINGS

APPLICATION OVERVIEW

Pipe-type power cables require effective grounding to protect your personnel and equipment from AC fault current. Any metal casings or lead sheaths that are cathodically protected will also need to be grounded, which can reduce CP values if they are directly connected.

Additionally, underground pipe-type cabling, if located near DC rail systems in an urban setting, can also carry nuisance voltage from passing trains. This extra DC voltage requires a decoupler that is rated to block higher levels of voltage and not short into conduction mode.

Dairyland's ISP is the ideal device for protecting pipe-type power cabling, given its higher DC blocking threshold and AC fault ratings. Stray nuisance voltage from nearby

trains can be isolated at higher levels than other decoupler threshold ratings, preventing unnecessary grounding from slightly higher DC levels.

Installing the ISP in series with the lead sheathing or metal casing will also provide efficient isolation of CP voltage levels by decoupling the cable from the grounding grid. Higher AC fault current ratings and a fail-safe design will ensure that the ISP will protect personnel and equipment from potential fault events.

RECOMMENDED PRODUCT



BUILDING A BETTER JUNCTION BOX

UltraBox®

OVERVIEW: PREMIUM MODULAR JUNCTION BOXES BUILT TO YOUR SPECIFICATIONS OR SHIPPED AS COMPONENTS

KNOWN FOR: THE JUNCTION BOX THAT ADAPTS TO ANY CIRCUMSTANCE WITH EASE

DESIGNED WITH YOU IN MIND

Dairyland's UltraBox features easy access and the ability to add, remove, or reposition components at any time – unlike existing designs using shunts or resistors fixed to a backplane. Featuring movable DIN rail mounting systems and snap-in modules with industry standard shunts and resistors, users have complete control over the present configuration and future expansion of their product.

Whether configuring an anode junction box, interference bond, rectifier output box, positive/negative splitter, or an enhanced test station box, Dairyland can quickly package and ship the optimum configuration, using standard enclosures and stocked modules containing the most common shunts, resistors, and terminals.

DESIGN:

POLYCARBONATE OR STAINLESS STEEL ENCLOSURES

ADJUSTABLE DIN RAIL MOUNTING SYSTEM

UNIQUE LINKING HEADER SYSTEM FOR SHUNT CONNECTIONS

ENHANCED RESISTOR DESIGN

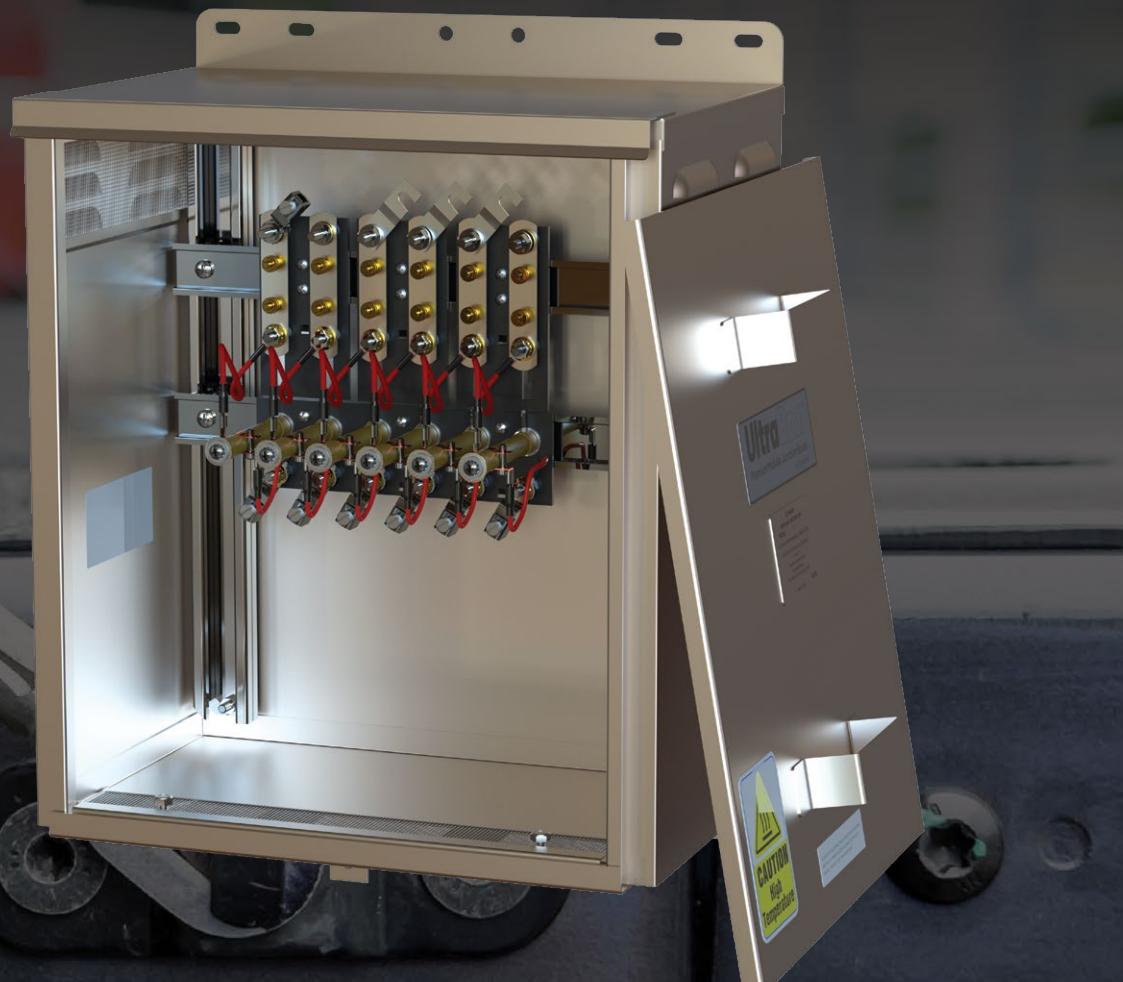
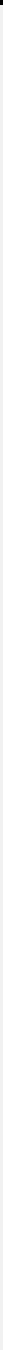
FEATURES:

SECURE SNAP-IN MODULES ALLOW QUICK ADJUSTMENTS

RAPID DELIVERY OF CUSTOM CONFIGURATIONS

DIRECTLY ACCESSIBLE CONNECTIONS

INDUSTRY STANDARD, CORROSION-RESISTANT COMPONENTS



The UltraBox is a huge improvement over the traditional J-box. I really like that we can have all the parts in stock to build whatever we need – on the tailgate and at a moment's notice. It's a better product and a real time and money saver!

— Paul Sedlet, President
Accurate Corrosion Control, Inc.

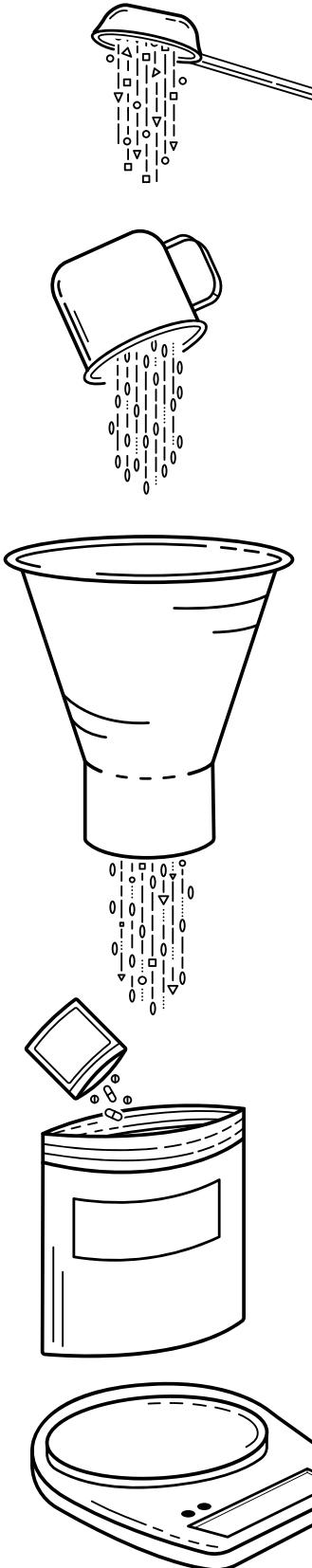
THANK YOU

At Dairyland, we believe that everyone should have an opportunity to flourish. From our company culture with an emphasis on altruistic giving, to our rugged products and reliable technical support, we are using our business to make a safer world. That's why we put a portion of our revenue towards addressing needs in our communities, as well as natural disasters, conflict, injustice, and poverty around the globe. When you do business with Dairyland, you are furthering our Live Engaged initiative, and truly helping to make a safer world.

((|:|)) LIVE
ENGAGED

DAIRYLAND.COM/LIVE-ENGAGED





WORKING TO END HUNGER

PARTNERING WITH:
RISE AGAINST HUNGER

The day started with the rhythmic beeping of a supply truck slowly backing down the driveway. Shortly after, a crew began unloading large bags of rice, soy, dehydrated vegetables, and tubs of supplies. After 12 work stations were assembled, the noise and activity levels quickly increased as gloves and hairnets were handed out, and individuals stepped into their assigned roles. With the strike of a gong (yes, a real one), the Dairyland team and their families got to work assembling meals while lively music and healthy competition filled the space.

THE DAIRYLAND PICNIC

Every July the Dairyland team and their families gather for a summer afternoon of food and fun. Our 2021 picnic was even more special because we had the opportunity to partner with Rise Against Hunger, volunteering our time to pack meals for others affected by food insecurity. We divided into groups – measuring and combining ingredients into individual meal packets before weighing, sealing, and boxing them for distribution around the world. In just under two hours, 52 people packaged 18,576 meals.



Rise Against Hunger is a non-profit organization that is growing a global movement to end hunger by empowering communities, nourishing lives, and responding to emergencies. Across the globe there are 821 million people who don't have enough food to eat*, with 41 million experiencing life-threatening hunger**. The need for nutrient-dense nourishment is critical. Since early 2020, issues like conflict, extreme weather, and poverty have been compounded by the COVID-19 pandemic, heightening the need for food and relief. Rise Against Hunger not only provides short-term emergency supplies—like the meals our team packaged—but they also work to empower communities toward sustainable self-sufficiency.

Volunteering together helped meet a critical need in our world and allowed us to think beyond ourselves, but it was also a great experience for our team to have together – exemplifying what it means to Live Engaged. Everyone—kids, teens, and adults—easily found a role to play, whether ladling ingredients into funnels, labeling individual packages, or restocking heavy bags of supplies. We laughed, bantered, and connected as a team while the music reverberated

and a sense of meaningful accomplishment settled around the room.

Logan said of the event: "This event was so cool to be a part of! All my coworkers and our families were in the same room working for a pretty inspiring movement. I genuinely felt fulfilled and that I was on a mission as I just hauled bags of rice. I couldn't help but keep going!"

Laurie later commented: "What made the experience most meaningful for me was that an engineer and a homemaker could work shoulder-to-shoulder together for two hours and accomplish so much for a common good. When I looked around at the end of the event, I found I had tears in my eyes at the beauty of everyone working together. What I thought was a simple food drive turned into one of the most meaningful things I have done in 2021."

[continued]



UNDERSTANDING THE IMPACT

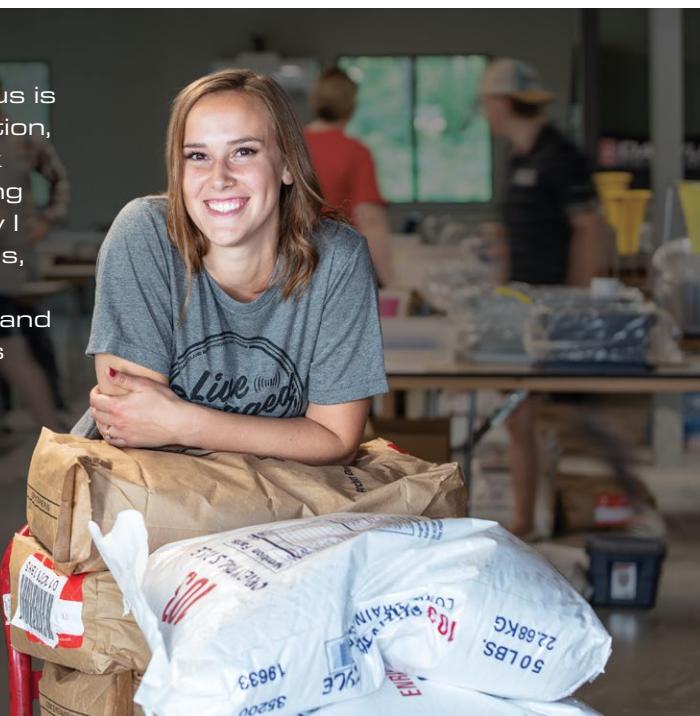
Less than one month after our meal-packing event, we received word that our meals were included in a shipment containing 285,120 meals that went to Haiti.

It's been a challenging decade for Haiti. The island nation has struggled to recover from a number of natural disasters: the devastating 2010 earthquake, Hurricane Matthew in 2016, and another deadly earthquake and Tropical Storm Grace in August of 2021. These natural disasters have coincided with the COVID-19 pandemic and the assassination of their President Jovenel Moïse in 2021, worsening an already precarious humanitarian situation. In Haiti 4.4 million people—nearly 46 percent of the population—face acute food insecurity, including 1.2 million who are at emergency levels.***



When we serve, something within us is moved toward generosity, connection, and gratitude. It invites us to think beyond ourselves, often with rippling effects across our lives. That's why I care about providing opportunities, like this meal packing event with Rise Against Hunger, for the Dairyland family to give of themselves – it is deeply good for others' wellbeing, but also for our own."

– Kailey Dharam
Organizational Development Liaison





RESTORING HOPE

PARTNERING WITH: INTERNATIONAL JUSTICE MISSION

Our vision of making a safer world not only applies to our rugged products and our reliable technical support and customer service – although they certainly play a big role. We believe that people have inherent value, and that everyone, no matter their economic situation or global location, should feel safe in their homes and be given the opportunity to flourish. That's why we partner with organizations with proven experience combating natural disasters, conflict, injustice, and poverty around the world.

Longtime Dairyland partner, International Justice Mission (IJM), is a global organization that works with local justice systems to end violence against people living in poverty. Their three-phase model includes rescuing and restoring victims, bringing criminals to justice, and strengthening local justice systems.

Since 2005, IJM has been working in Guatemala, fighting for the protection of children, many of whom live in red zones – extremely dangerous areas where sexual violence is rampant. In collaboration with Guatemala's Public Ministry (Prosecution Services), IJM has developed and implemented trauma-informed

processes for prosecuting sexual assault cases and has trained and mentored members of the police department as well as prosecutors and judges to protect their nation's poor and vulnerable. As noted on IJM's website, Guatemala was once deemed by human rights experts, "a country too broken, and [one that] would never protect the poor" but is now seeing historic change through long-term interventions and empowering partnerships.

In 2019, Dairyland's Organizational Development Liaison, Kailey Dharam, traveled to Guatemala City to better understand the unique historical and contextual challenges IJM faces, and to witness their interventions firsthand. While there, Kailey toured a city dump-turned-housing-community, a sex crimes police unit, and restorative housing projects with programming for victims. Through it all she had the opportunity to speak with and learn from IJM staff and clients.

During her time in Guatemala City, Kailey was invited to participate in the Day of Joy, an IJM event devoted to celebrating the healing and resilience of



Image courtesy of IJM, used with consent.



Image courtesy of IJM, used with consent.



individuals and families who have been victims of physical, emotional, and/or sexual violence. On the Day of Joy, survivors who have been restored by IJM's team—primarily children—are joined by safe family members, IJM team members, and sometimes special guests for a lighthearted excursion in the city. Kailey and other approved visitors were paired with small family units, bonding with one another as they enjoyed lunch and explored the Guatemala City Zoo.

"With tears in her eyes, the mom of the family I was paired with spoke about the pain their family has been through but also how encouraging days like this were, reminding them of how far they've come," said Kailey.

Though recovery is often complicated and ongoing, the Day of Joy is a courageous proclamation of hope, and that happiness is possible again.

Dairyland's vision is to 'Live Engaged to Make a Safer World.' We work hard to make this a reality through our products and solutions, but that vision is also actualized through dignifying human protection like IJM fosters.

Traveling elsewhere invites us to reflect and think about our own communities and engagement with them. It's easy for me to step into a new country and condemn the brokenness I see, but am I also willing to look at what happens in my city? Am I willing to think about the larger systems at play that perpetuate violence and inequality? How does seeing something like what I witnessed in Guatemala change how I live at home? These are the questions that these experiences often draw out, and reinforce why both local and global engagement matter.

— Kailey Dharam, Organizational Development Liaison



STRENGTHENING OUR COMMUNITY

LENDING A HAND TO STOUGHTON SENIORS

In recent years Dairyland has cultivated an important relationship with the Stoughton Area Senior Center (SASC). The SASC—located just a few miles down the road from Dairyland's headquarters—provides a variety of programs, services, and opportunities for community members over 55 years of age. Like many other service organizations, the SASC relies on volunteers to meet the needs of the community they serve, and offer a variety of volunteer opportunities for both individuals and groups. Dairyland employees have participated in two of these opportunities: weekly meal delivery and seasonal yard maintenance.

As part of Dairyland's Live Engaged initiative, employees are encouraged—and paid—to participate in volunteer opportunities during work hours. Employees are given up to two hours per month to use when their schedules allow it.

For the past two years, Ken Schuh, Dairyland's Operations Manager, has used his volunteer time to pull together a team each spring and fall to perform yard maintenance and clean up for senior citizens and people with disabilities in the Stoughton area.

"Our partnership with the Stoughton Area Senior Center provides a safe, simple and tangible way for employees to meet the needs of others, expecting nothing in return," said Ken. "It's introducing employees to an opportunity for Living Engaged right now and may grease the skids for doing so in different and fresh ways in the future."



Another member of Dairyland's team, Sandy Paton, has been volunteering with her father through the SASC for the last three years, providing Meals on Wheels deliveries.

"We are delivering healthy meals to senior citizens who are unable to leave their homes due to illness or who don't have other resources for purchasing food," Sandy noted. "I've heard from the coordinator at the Senior Center that for some people, this is their only meal of the day."

Both services are vital to individuals in the area who are lacking resources that many take for granted.

It's very important to me to give back to Stoughton. Without volunteers, many services that members of the community depend on wouldn't be so readily available.

— Sandy Paton, Dairyland Executive Assistant

"It's local, simple, and practical. If not me, who? I have awareness and the ability to do this work, where others may not. I'm simply being a good steward of what I've been given," said Ken on his involvement with the SASC and inclusion of other Dairyland employees.

Strengthen your community is one of the four pillars of Dairyland's Live Engaged initiative, and both Ken and Sandy are exemplars of this principle.

PAYING IT FORWARD

Our Dairyland team is a group of individuals with unique stories, interests, passions, and perspectives. As a result, we all apply Live Engaged differently. Here are some examples of how our team works to strengthen their communities:



PHIL EGGEN // BUSINESS DEVELOPMENT MANAGER

I volunteer with the Boy Scouts, supporting them as an Assistant Scout Master. This role allows me to spend quality time with my sons and the rest of the Troop as these young men progress along the Scouting Trail to hopefully become Eagle Scouts. I was blessed to be able to make it to the Eagle Scout rank in my Scouting days and that is where I learned a lot of core values that help me live my life today. The Scouting Laws are always popping into my head as reminders of how to live. These twelve scout laws are: trustworthy, loyal, helpful, friendly, courteous, kind, obedient, cheerful, thrifty, brave, clean, and reverent.



DANI STENJEM // CUSTOMER SERVICE SPECIALIST

My husband is the pig leader for our local FFA and 4H organizations. Together, we help kids select and raise show pigs. We teach them what they need to know about caring for the pigs and coach them on what they need for show and sale day. I personally assist with sale day coordination and decorating for two local fairs. Teaching youth responsibility, discipline, and hard work, in addition to how to care for animals is incredibly rewarding. I have personally developed bonds with many of the kids and stay in contact when they graduate out of the programs.



KRISTY JAMES // FINANCIAL CONTROLLER

I volunteer with my local Parent Teacher Organization – it's an opportunity to support our teachers and support staff who care and give so much to our children. It's a way to help with some of their needs and it supports inclusivity so that students in our district are provided equal opportunities. We offer enrichment that the district doesn't have a budget for and help cover costs the teachers would otherwise pay for themselves. I'm also able to involve my family to share values of caring and showing respect and appreciation for others.



KATIE LUNDGREN-SMITH // MARKETING SPECIALIST

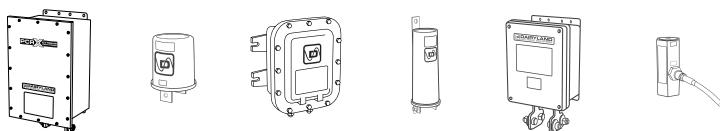
For the past three years, I have donated time to Big Brothers Big Sisters of Dane County (Wisconsin), helping them design invitations and materials for their largest annual fundraising event. This past year I also worked with a local branch of NAMI (National Alliance on Mental Illness) to design a brochure promoting the services they provide to the community. Like many other non-profits, BBBS and NAMI don't have a budget for graphic design work. Instead, they put the money that they raise back into their communities, to help as many people as possible. By assisting these organizations with design work, they can focus their energy on the things that matter – making their communities stronger.

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