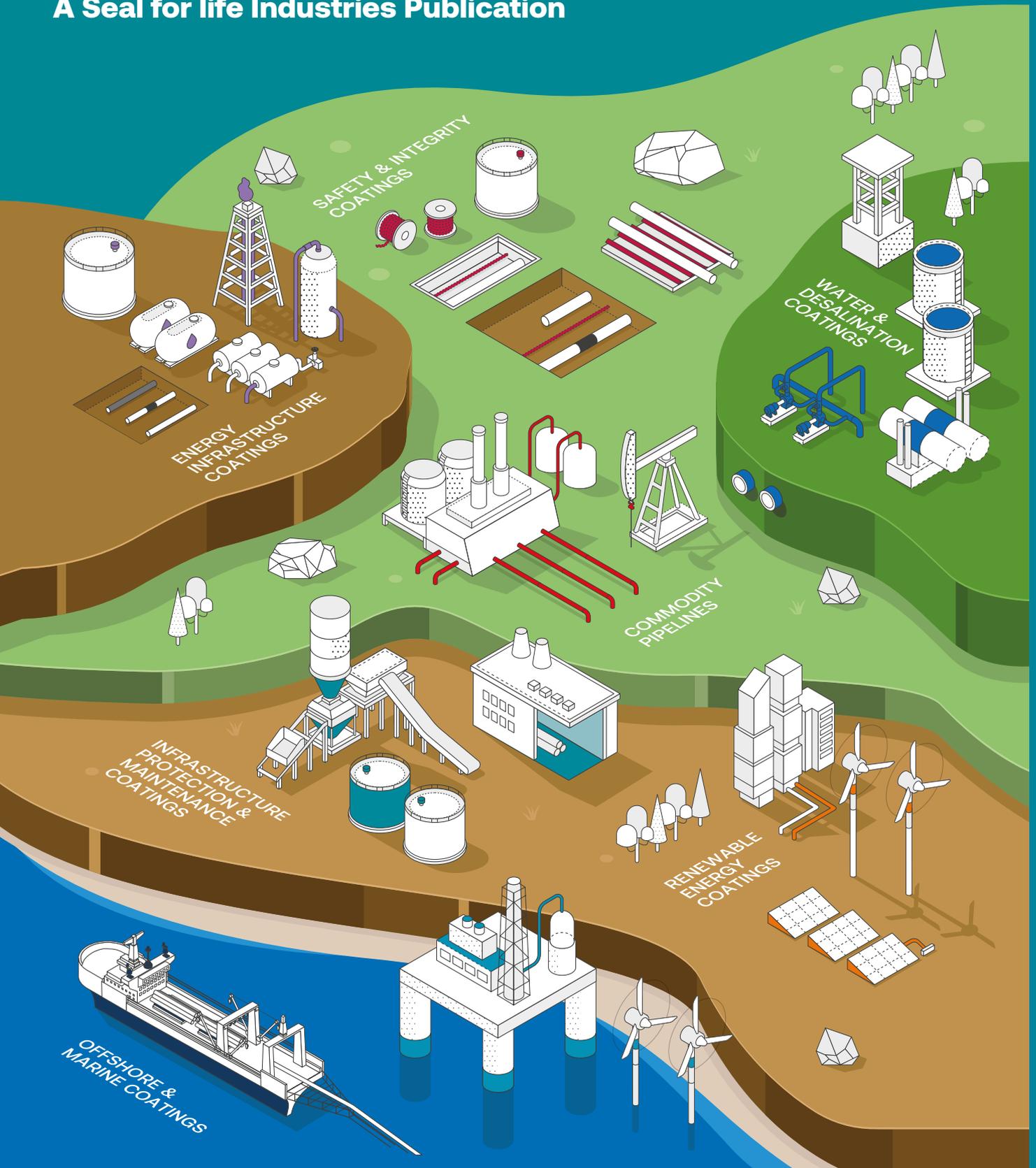


SFL Connect

A Seal for life Industries Publication



SEALFORLIFE
Industries

sealforlife.com

One coating company
protecting the future





The Best Liquid Epoxy Solutions For Pipelines



Best In Class Cathodic Disbondment

Combining industry-leading abrasion resistance with unmatched flexibility, our range of epoxy solutions are built tough, easy to apply and designed to last.

Whether its HDD or field joint coatings, we've got the solution.



Best Gouge Resistance



Powercrete®
The Toughest HDD Coating on the Market



CANUSA-CPS
HBE - The Best Performing Field Joint Coating



A Note From Our CEO

I always enjoy the opportunity to reflect upon the progress our company is making, taking stock of all the achievements we have made yet again in 2023.

There is a consistency in this company, and that is the focus on safety and hard work demonstrated by our employees every day. Our Houston Center opened in April 2023 and we are really encouraged by how things are taking shape there, especially the transition to in-house production of the Powercrete and HBE brands and the recent launch of Powercrete DD 410. A fantastic team effort from all involved.

We attended our first LNG specific event in June last year and were met with a great response for our STOPAQ and Easy-Qote product lines. There is great scope for these brands in this sector and we look forward to seeing this further develop throughout 2024. Our product and sales teams have seized incredible opportunities to showcase the versatility and effectiveness of our brand lines. Mascoat insulative coatings were deployed to help combat the interior heat temperatures in the vans for a large consumer delivery fleet.

The Bristol Motor Speedway underwent colourful refurbishment thanks to the application of US Coatings polyurethanes. A comprehensive solution for pipeline protection was achieved by combining Canusa, Anodeflex and Overpipe products in the Transmountain pipeline project in Canada. In India the Prime Minister took to X (formerly known as Twitter) to show his appreciation for a project where SFL supplied Dirax to help set the record for the longest hydrogen pipe in Asia and the second largest in the world.

These are just some of the highlights, there have been many more successes as you will see in this edition of our magazine and if you follow us on LinkedIn. As our company continues to grow, it becomes increasingly apparent that we have the capability to provide a comprehensive and all encompassing range of products to our clients. We stay true to our commitment of being One Coating Company Protecting the Future.

I would like to express my gratitude for your support, custom, and partnerships with Seal For Life. We genuinely appreciate your collaboration. Here's to a fantastic 2024 year ahead.



Seal For Life has seen the cover of World Pipelines again this year with both our Epoxy and Company adverts

Jeff Oravitz, CEO



HOUSTON CENTER OPENS

Our brand new manufacturing and distribution facility in Houston successfully opened its doors last year where many of our brands will be housed. It also becomes our second location in the Houston area.

The latest product from our **POWERCRETE** brand, **DD 410**, is formulated and manufactured in the new facility utilizing new top-tier equipment with our state of the art R&D facilities, achieving an annual production capacity of 3 million gallons.

With access to George Bush International Airport and the Port of Houston, as well as some of the busiest interstate highways in the USA, this facility will ensure that our products can be delivered quickly to customers across the US and the world.

Latest Developments



Easy-Qote Success

Ørsted approval for Easy-Qote

Ørsted has fully approved the Easy-Qote range of products for use as an offshore coating repair for their renewable energy structures. For repairs the Easy-Qote basecoat and topcoat products are used to help extend the life of their assets.

Ørsted is the global-leader in offshore wind power. They supply large-scale and cost-competitive offshore wind energy, onshore wind energy, and solar energy solutions. In parallel, Ørsted operates sustainable bioenergy plants, offers renewable power purchase agreements, and is exploring renewable hydrogen solutions.



STOPAQ - Stadskanaal

STOPAQ joins Green Business Challenge

The European Commission has set the bar in its Green Deal striving to make Europe climate neutral in 2050. This means a transition to a circular economy where all product and waste streams are fully re-usable.

While 2050 may seem far in the future, it's best to be prepared for it. At our STOPAQ facility in the Netherlands, we've been focusing on circular production for a while and we've made good progress.

Nonetheless, we decided to participate in a local student challenge program 'The Green Business Challenge' to explore what else we could do. A really good team of 5 students came up with several ideas in just a week. In the coming months, we will take their research and proposals further to achieve our circular goals.



Infrastructure Coatings Group Update

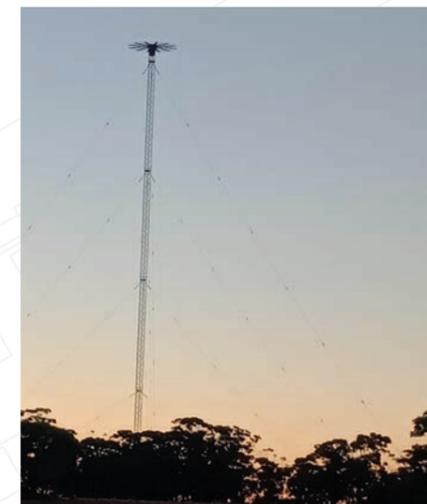
The Infrastructure Coatings (IC) Group had a standout year in 2023, bringing together six existing brands to form one dedicated team focused on protective coatings and lining solutions with the primary aim of prolonging the lifespan of critical infrastructure.



The collaboration of technologies from our different brands proved highly beneficial for clients in various industries. Notable applications included using products from US Coatings, Highland International, and Mascoat brands for oil storage tanks, simultaneously addressing internal lining, external corrosion prevention, energy retention, and personnel protection from burns. The first successful application in 2023 will mean a further 18 tanks in the future.



Additionally, our US Coatings and Verdia brands were brought together for an application in a food processing plant, not only providing both a durable, chemical-resistant flooring able to handle heavy equipment and regular chemical cleanings, but also an aesthetically pleasing wall coating that could withstand those intense cleanings. Strategically positioned at four sites across the USA, the IC Group has begun manufacturing some products in multiple locations to increase availability and expedite deliveries to customers previously situated far from the point of origin.



This manufacturing expansion not only opened new markets for the products, but also saw improved customer service and reduced shipping times and costs to job sites. 2023 also marked a significant year in maintaining and expanding our distribution network across North America. Adding 11 new partners to our existing network underscored our commitment to meeting client needs and expanding the accessibility of our products to a growing customer base. This positive momentum extended

globally, with our coatings playing a pivotal role in projects around the world. Through our efforts and those of our international distribution partners, our coatings have been used to prevent corrosion on 1,000 ft (300 meter) communication towers in Australia, protect the interior and exterior of a 62-mile (100-km) water transmission pipeline in Mexico, provide energy retention for multiple oil storage tanks in Brazil, prevent condensation and reduce noise & vibration on yachts in Southeast Asia, and provide interior tank linings at hot mix asphalt plants in Costa Rica.

Under the banner of Seal For Life's Infrastructure Coatings Group, 2023 showcased substantial growth in critical areas. Our commitment to providing durable, protective solutions has enabled us to serve a broader clientele, providing longer asset operation with reduced maintenance requirements. Looking ahead, we are poised to further expand our offerings, better serve our existing clients and finding new ones, as well as continue to enhance operational efficiency.



New Epoxy Campaign

Last year we launched a brand new Liquid Epoxy Campaign across print and digital media. The campaign was to bring awareness to SFL offering the most complete product line for pipelines in the Industry.

Powered by Powercrete and Canusa, we are able to offer a solution for all situations, from HDD to Field Joint Coatings. This campaign has been featured in World Pipelines, AMPP Materials Performance, on LinkedIn and can be seen across the new literature for this range.



Find out more on the Powercrete landing page, simply scan here



Find out more on the Canusa landing page, simply scan here



News Round-up

STOPAQ North America - CORE

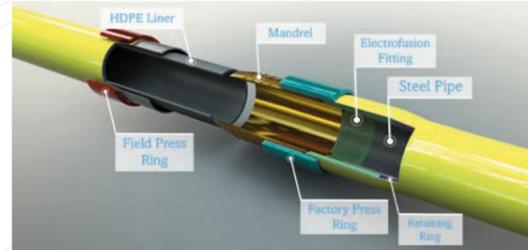
In conventional field-joint coatings, excessive heat poses a risk to the factory-applied coating. However, with CORE, it's not just the factory-applied PE coating that's at stake; the HDPE internal liner faces potential damage from overheating. This overheating could compromise the HDPE's strength, leading to worst-case scenarios like relaxation, collapse, or failure.

Utilising STOPAQ Wrappingband is the ideal solution to provide additional protection. This product is cold-applied and its external corrosion prevention coating boasts fluid-like properties at temperatures above -65 Celsius (-49 F). Its heat-free application not only safeguards the HDPE liner but also ensures exceptional coating quality, even in the challenging winter conditions of North America.

Recognizing these benefits, CORE has chosen STOPAQ Wrappingband as the exclusive ClickWeld coating material, not only for their new 1279 product but also their 4", 6", and 8" offerings.

The launch of this larger diameter product combined with an extensive customer base spanning Western Canada, Colorado, Utah, Pennsylvania, Texas, and beyond, will undoubtedly elevate STOPAQ's usage in the Midstream, potable water, and wastewater industries across North America.

The first 1279 installation began in December 2023 with further installations planned in Canada, Colorado, Nevada, Pennsylvania, and beyond. We look forward to seeing the developments utilising our STOPAQ technology.



Supporting Solar Energy

DuraShield offers an environmentally-friendly corrosion protection coating solution for ground pilings in green industries like solar farms.

Green industries want to be sure that all parts of their building, construction, and operations are sustainable and not adding any unneeded waste or harm to the surrounding environment. Older methods of corrosion protection for ground pilings, like Galvanized Hot Dipping, can leach heavy metals into the ground and water supply over time.

DuraShield, a polyurethane coating from Seal For Life's LifeLast brand, has worked with many solar farms like the one pictured to protect the pilings on which the solar panels rest from corrosion caused over time by rain, wind, snow, and temperature variation. The coating is bio-based, 100% solids, and zero VOC/HAP, offering superior long-term protection both above and below grade. It is available in a wide variety of colors, including Bureau of Land Mgmt. colors, to help keep with designated aesthetics and allows for easy on-site maintenance for existing solar pilings previously installed.



Extended Article | [Read more online](#)

A GAME CHANGING SOLUTION

Mario Moreno P.Eng., Seal for Life Industries, Canada, discusses revolutionising pipeline field joint coating with high flexibility epoxy coatings.

Corrosion prevention for underground structures is essential to ensure their long-term integrity and reliability. A combination of a durable coating and cathodic protection (CP) is necessary for effective corrosion prevention. When focusing on field joint coatings, there are many advantages and disadvantages of the different coating technologies available. We take a look at what those are and introduce a new epoxy formulation that promises extraordinary corrosion protection properties and flexibility.



Background

For optimal corrosion prevention in underground structures, a robust coating combined with CP is the recommended approach. The protection cost comprises both the coating and the CP system.

Since its introduction in 1960, single-layer FBE has demonstrated remarkable effectiveness as a pipeline coating. It currently enjoys widespread use as the preferred pipeline coating in North America and has a strong following worldwide. Its exceptional performance characteristics, as well as its track record of success in underground and undersea applications, make it an ideal choice for line pipe, fittings, and bends.

However, for field joint coatings there are several reasons why liquid epoxies are often preferred over FBE to treat the joints between pipes.

Ease of Application

Liquid epoxy is easier to apply than powder FBE epoxy, especially in field conditions. The liquid form allows for easier mixing and application, making it more convenient and efficient for use onsite.

Faster Cure Time

Liquid epoxy has a faster cure time than powder FBE epoxy. This means that the coating can be applied and cured more quickly, reducing the overall downtime for the pipeline.

Better adhesion

Liquid epoxy has better adhesion properties than powder FBE epoxy, particularly in wet or humid conditions. This makes it more effective in protecting the pipeline against corrosion and other forms of damage.

More Sustainable

Liquid epoxy installation requires no force curing or external energy compared to FBE. Plus the material has minimum waste during application.



[Read the full article on our website](#)

SCAN ME

News Round-up from India

2023 was a busy year for our teams in India. These are just some of the highlights!

- ☑ Started supplying Covalence Heat Shrink Sleeves as a class I supplier from 2023, a part of the “aatma nirbhar bharat” scheme under leadership of PM of India.
- ☑ Have been enlisted by Eil for the Covalence product range.
- ☑ Were awarded with a tender from GAIL for Polyken Cold Applied Tape.
- ☑ Also awarded the order for the Tanzania Water Project, supplying 2 layer sleeves for the water pipelines which started this year.
- ☑ As of November 2023, SFL India and SFL TJ Facility have supplied 40,000 meters of Anodefex in a prominent and prestigious refinery project for HRRL. This delivery constitutes a portion of the total awarded quantity of 55 kilometers.
- ☑ Our Polyken YG-III system has been utilized for the mainline pipe coating in the Surya Roshni Bulk Water Supply Scheme under the authority of the Mumbai Metropolitan Region Development. This project covers approx. 79KM of pipeline which will also see our Covalence Heat Shrink Sleeve System used for the field joint coatings. The entire pipeline is set to become operational in 2023 and will be inaugurated by the Honorable PM of India.

Total Solutions

In city gas distribution projects across various states our Covalence product range has been supplying protection products for many years. This work has now evolved into a total solutions provider for SFL, where we will be extending the work to protect the underground valves, monolithic insulation joints and field joint coatings at specific locations with the Polyken and STOPAQ range of products.



Exemplary says Indian PM!

The Ministry of Petroleum, and Natural Gas Government of India, announced the largest HDD project in Asia, and second largest globally by IGGL India. The project selected Covalence Dirax system for the installation under the Brahmaputra River in Assam covering a distance of 4080 meters with work commencing this year.



New Opportunities



SFL has successfully started supplying various products from our wide portfolio range for fuel hydrant pipelines and storage facilities at the Noida International Airport. This is a fantastic new opportunity where we will meet the demand for long-term asset protection with Covalence, STOPAQ, Polyken and Anodefex product ranges. Meeting our distributors and sharing their knowledge.

Corrosion Prevention Projects from the Infrastructure Coatings Group

Dependable Protection in a Short Application Window

This communication tower in Oklahoma was due for maintenance to update its corrosion protection, but the contractor only had a very limited window to apply the coating. They would need to spray the majority of the tower and save any brushing/rolling to touch-up areas. Due to the tower's proximity to buildings and a highway, spraying on the windy plains of Oklahoma could cause the wet coating to land on cars or buildings.

The contractor found their solution in Seal For Life's Highland brand. Our unique Dry-Fall, "Spray-Safe" application allowed for faster spray application compared to brushing and rolling, and there was no need for costly containment. These combined benefits offered a much faster and less expensive application with no overspray worries, all while providing premium corrosion protection and lower future maintenance costs.

By offering simple reduction options and instructions to address specific environmental challenges, the client was able to complete the application in a wide range of temperature swings and humidity variances experienced in the midwestern spring. With 3 standard reducer options we are able to address temperature and humidity swings from just above freezing up to 120F, making dry-fall spray applications possible in all situations.



Reliable Buried Water Service for 35+ Years

Dependable polyurethanes help to convey reliable water supply to Gallup, NM.

Areas in northern New Mexico USA currently rely on rapidly depleting groundwater of poor quality which is inadequate to meet current and future demands. With 250,000 more people expected to inhabit the area in the coming years, a long-term solution was needed to consistently deliver safe drinking water.

As part of the pipeline project to deliver the water, Seal For Life's LifeLast brand was chosen to provide DuraShield 110 as a protective coating for the steel pipe because its ability to withstand installation and ensure long lifespan in the unforgiving and rocky desert environment. The coating allows for 35+ years of buried service, corrosion protection, good flexibility, as well as high impact and abrasion resistance. DS 110 was installed on the 42" pipe over 95,000 linear feet.



Corrosion Prevention Projects from the Infrastructure Coatings Group cont.

Minimal Man Hours Needed for Long Lasting Insulating Coating

Our client had storage tanks in their terminal that were used to store products that had to stay close to ambient temperature. The tanks had previous insulation on the sidewalls that helped, but the hot summer sun beating onto the tank roofs was warming the internal contents. The roofs were difficult because of the geometry and equipment that would leave seams where water could seep into. Personnel also had to access the area on a regular basis and conventional insulation would be crushed by foot traffic.

The client found their solution in the Mascoat brand of insulating coatings. The water-based, one-part coating was easily applied by a minimal crew of 3 people to the roofs and conformed to the geometry and equipment effortlessly. Since it is spray-applied and there are no seams, the risk of CUI is effectively none. Only 2 coats of product were needed to achieve the specified thickness of 40 mils (1 mm) to effectively prevent the solar loading issue. After the first successful application on 3 tank roofs, the product has now been specified on any tanks in the terminal that have solar heat gain issues.



Dry-Fall Technology Allows for Continuous Work

The Ambassador Bridge, spanning the Detroit River between the US and Canada, has been in use since 1927. Maintenance is of the utmost importance for a bridge, especially one that has been in service for almost 100 years.

Since 1999, bridge maintenance officials have depended on Dry-Fall coatings from the Highland brand because the unique coatings not only provide the necessary protection for the structure, but also allow the traffic to continue unabated without the need for bridge or lane closures.

Other types of coatings may require these closures because misting paint can ruin the paint on passing vehicles.

The system includes a zinc rich epoxy primer offering true cathodic protection with an 86% zinc load in the film. Paired with an epoxy intermediate coat and urethane topcoat that exceeds the highest level of performance for industrial urethanes, the system offers superior protection needed for harsh winters, salt exposure, and weather/UV protection.



Since bridge maintenance is a continuous process and few other coatings can offer the level of protection within a Dry-Fall technology, the coatings are specified to be supplied well into the future.

35
YEARS
INNOVATION

HOW ABOUT COATING
A 6°C PIPE IN A
-20°C ENVIRONMENT?

We are very much aware of the coating's performance in laboratory conditions, but how often are we faced with those in reality?

Our reality in this case was a 6°C surface and a -20°C atmospheric temperature. A quick adhesion test to confirm surface cleanliness was sufficient to continue the application without affecting the lifetime. Cases like these make us wonder: are we designing for the standard or for reality? STOPAQ is purpose designed by practical engineers and is always challenging the rules in order to comply with reality.



You might meet the standards but what about reality?

You can find this application and other challenges in practical situations on: www.stopaq.com/challenges



Learn from the past
Think of the future

STOPAQ
Self Healing Corrosion Prevention
& Sealant Technology

News Round-up

The TransMountain Expansion Project TMEP

TMEP is a \$30.9 Billion CAD pipeline project which consists of twining an existing 1,150 km crude oil pipeline to increase transportation from 300,000 barrels a day to 890,000 barrels a day to tidewater.

A section of the project required the construction of a four-kilometer concrete encased tunnel through which the new 36-inch pipeline is to be rolled into.

TMEP placed a direct order to Seal for Life for 8,780 meters of our flagship AFLX-CU-3200 product. The goal for this portion was to design an anode that could operate at a high output for a lifespan of sixty years, while also being strong enough to endure the restrictive construction conditions and guarantee performance for a crucial installation.

Anodeflex proves outstanding given its high yield of current, ability to maintain consistent output for long runs, and its best-in-class design life capabilities and we are proud to have met the aggressive technical requirements and



procurement lead times needed by our client. This project becomes Canada's largest Anodeflex sale on record!

EcoPlug – Your Solution for Sustainable Pipe End Closure

At Dhatec, we're committed to innovation and sustainability, and we're thrilled to introduce our latest product: the EcoPlug. Paired with our Bevel protector, this powerful combination simplifies the way you close your pipe ends while reducing environmental impact.

- ☑ Eco-Friendly: The EcoPlug is designed with the environment in mind. All its components are fully recyclable.
- ☑ Economically: This new plug is a financially attractive choice.
- ☑ Durable: This plug is just like our Bevel Protector, made to last!
- ☑ Easy Installation: Installing the EcoPlug is a breeze. It's designed for efficiency, saving you time and effort on the job. (Installation time under 30 seconds per pipe end!)

Following our successful launch of the EcoPlug we are thrilled to share our success on installation of 80" pipes. Using EcoPlug we have managed to reduce the installation time of a pipe end closure to just 1 to 2 minutes per pipe end. This is a game-changer in the industry as, until now, similar end caps for pipes (especially for this diameter) could take up to 10 minutes or more. Make sure to get in touch with us at sales@dhatec.nl to find out more.

LNG Terminal Splashzone Protection

A floating LNG terminal is located in the Omišalj municipality on the island of Krk, in the Republic of Croatia. The terminal has a geopolitical and strategic dimension in the context of strengthening the European energy market and increasing the security of gas supply to European Union countries. It is a project of strategic importance for the European Union and the Republic of Croatia.

To maintain the new terminal's high status the Jetty Piles required protection from corrosion. The previous coating system was PU paint which already had signs of flaking off. Our Croatian partner FEROMIHIN has a maintenance agreement with the LNG terminal and selected STOPAQ WSH to encapsulate the previous coating from contaminating the water and protecting the Jetty pile from corrosion with 30+ years of protection.

Our STOPAQ team supported the initial trials of this project prior to phase 1 being completed in September 2023. Phase 2 has been awarded for another 24 jetty piles starting summer 2024.

You can see more about this application over on YouTube.



☑ Extended Article | [Read more online](#)

MEET THE CONDITIONS

Anti-corrosion coating failures are a significant factor in the reduced operational life of pipelines, says Dinko Cudic, Business Line Director, Seal For Life Industries, the Netherlands.



In the endless fight against corrosion, where we seek to extend the life of assets that initially had a fixed lifetime but now need extension, corrosion protection must go further and include prevention. Constant doubts over coatings performance and the blame game over who is at fault – manufacturer, contractor or timeframe to complete the job – can sacrifice quality too. Can coating manufacturers create something that will satisfy both the contractors and end users at the same time? Of course they can, but will these new innovative technologies meet the stringent standards and approvals? That is the flip side of the coin.

It's easy to stop corrosion or decay of the material, eliminate the oxygen and water/electrolyte, and we break the corrosion cell that leads to electrochemical corrosion. This is done by placing a barrier over the surface to be protected and blocking it from the environment. This is often done in the food processing industry by vacuuming groceries to be kept fresh for extended periods of time. Such ways do not offer adhesion to the surface but still have the functionality, such as a method used in the water industry known as polyethylene encasement for ductile iron, or 'sleeving'.

In the past, conservation was done by keeping moisture away from wood and steel using fat, wax, tree sap or honey. So, whether using advanced impermeable barriers like PE or PP, or more rustic solutions like honey, they all create encapsulation of the material and therefore prevention of decay. In the following cases, the analogy of honey certainly works as it does not age or crack, and offers superior adhesion to the surface.

Obviously, the point is not to protect the corroding steel with honey, but instead use polymers that behave in a similar way by avoiding sagging. To give it a proper ISO 21809-3 standardised term; a non-curing, non-crystalline and fully amorphous low viscosity polyolefin coating. A coating offers immediate and constant full wetting of the surface, creating a barrier that blocks oxygen and water, thus avoiding corrosion. The non-crystalline part is based on a glass transition temperature of lower than -60°C (-76°F). The compound structure is not able to crosslink, leading to non-ageing and therefore a barrier that can meet or exceed the life of the protected material.

This kind of approach opens new possibilities in protecting not only new projects but also existing and aged assets – specifically buried pipelines and components found in remote areas, and distant locations where accessibility is a challenge. Accessibility is also being challenged by the changing environmental conditions in harsh winters, rain seasons or extreme heat in deserts.



News Round-up

Surya Water Pipeline Project

To address the region's drinking water needs, the Mumbai Metropolitan Region Development Authority (MMRDA) developed the Surya Regional Bulk Water Supply Scheme project.

In order to improve the water supply in the western sub-region of the Maharashtra Mission, the project entailed a water supply system that involves bringing water from the Surya source, which is held by the Maharashtra government's irrigation department and is located around 54 km north of the MMR line.

The project comprises of pipelines of 88" (56 Kms) and 72" (23 Kms) totalling to more than 540,000 sq.m of pipe surface area and was awarded to L&T Construction Division in 2017. The pipes were coated with Polyken YG-III system in the Pipe Manufacturing plant and the Field Joint Coating was carried out with Covalence Heat Shrink Sleeve system.

The project had its own share of challenges in the form of a tough construction terrain and local permission issues.



It was completed in 2023 and shall be inaugurated by the Honourable Prime Minister Shri Narendra Modi this year. Seal for Life is proud to be a part of this prestigious project and a contributor in building the Indian infrastructure.

A Strong Year in the Steel Water Pipe Market

2023 was a milestone for our presence in the water market, as we closed the year with a record-breaking revenue.

Our success can be attributed to the strategic utilization of our comprehensive portfolio of products, coupled with a profound understanding of their dynamics within our customer base and the industry at large.

In the domain of wastewater, our CCI revenue is expected to reach a substantial 35% increase over the previous year. This exciting development involves the introduction of a new product, the Joint Seal, which has promising growth potential for the future.

This success underscores that the Western Hemisphere Field Joint Coating Group is not solely confined to the Oil and Gas sector, as traditionally defined; rather, we are a significant player in the Water industry. With the introduction of innovative products and strategic initiatives, the future of this sector looks exceptionally promising.

New Projects in Argentina

Seal for Life is proud to contribute as Field Joint Coatings main supplier for new projects in the Argentinian market, helping the country achieve the goal of changing the Energy Matrix from a Traditional Gas and Oil importer, to a self-sufficient country.

Vaca Murta in the Neuquen region is mainly responsible for the growth of production, concentrating over 70% of total investment of USD 10.7 Bi planned for 2023.

We supplied our new product Covalence HTLP-60-DCS for the Nestor Kirchner Project (NKP), a 36" OD Gas Pipeline with 573 km length to connect the Vaca Muerta development to the main Gas Pipeline network of country. Also, Canusa-CPS brand has supplied the Traditional GTS-65 HSS material to 24" OD Oldelval Oil Pipeline with 525km length that will also connect Vaca Muerta to the port of Coronel Rosales in Buenos Aires province.

ScarGuard®

ScarGuard® provides superior mechanical protection to field joint coatings on directionally drilled pipelines or areas where severe backfill conditions are present. A moisture curable, polyurethane impregnated fibreglass protection system, ScarGuard® provides effective protection against abrasion and wear forces that occur during the pull-through or backfilling operations.

Fiber-Reinforced Composite Mechanical Protection System



ScarGuard® Special Features

- ☑ 33% more gouge resistance than other composite products.
- ☑ 40% more abrasion resistance than other composites.
- ☑ Safe, fast, and easy installation.
- ☑ Fast curing (30-45 minutes).
- ☑ Excellent track record.
- ☑ Patented technology.

For more info, visit our website:

www.sealforlife.com



CASE STUDY

Rocky River - North Carolina, USA

A 2400-foot section of a 30-inch OD gas pipeline was to be installed under the Rocky River in North Carolina by Horizontal Directional Drilling (HDD). The rocky geology under the river created tough drilling conditions, with several months required for drilling and reaming the borehole to size for pipeline pullback.

The high risk of damage to the pipeline coatings during HDD pullback in rocky terrain, and the time and costs associated with rework, redrilling, or pipe replacement if the coatings become damaged, necessitated a high-performance Abrasion Resistant Overcoat (ARO) for protection of both the mainline and field joint coatings.

To protect the Canusa-CPS HBE-95 field joint coating during the tough HDD pull, Canusa-CPS offered ScarGuard®, a fiber-reinforced composite mechanical protection system. The ScarGuard® coated pipe was successfully installed underneath the Rocky River and passed both the visual inspection and coating conductance testing. The owner and contractor were happy with the technical support provided and the performance of ScarGuard® during the difficult HDD installation.



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SCAN ME



The Toughest HDD Coating on the Market



ARO Coating Powercrete DD 410

NEW LIQUID EPOXY POLYMER CONCRETE

Drawing from our impressive track record in delivering cutting-edge HDD engineered solutions, our latest innovation, Powercrete DD 410 offers:

- ⊞ Faster throughput
- ⊞ Easier to install
- ⊞ Higher build
- ⊞ Even mix ratio

MANUFACTURED IN OUR NEW HOUSTON CENTRE



For more information contact your SFL representative or email info@sealforlife.com



SCAN ME

www.powercrete.com