

# Inpridi Promotes New Technologies In Serbia

*Inpridi has already benefited from the ability of Canusa-CPS to effectively mobilise material and highly-skilled training services in the support of complex projects initiated within Serbia*



with a focus on high quality, high performance and ease-of-application. In Serbia, the market has grown over the last few years, with increased investments in pre-insulated pipelines for district heating and in the oil and gas infrastructure markets. There was a need for improved delivery and product range breadth in order to service these markets in an efficient manner.

These factors contributed to the development of my company, Inpridi d.o.o., which is an official distributor of Canusa-CPS in Serbia. The relationship has enabled Inpridi to provide reliable, durable and lasting high-quality products, with prompt delivery to the market.

**How does Canusa-CPS's technology differ from that of others operating within the market?**

Canusa-CPS's highly-engineered field-applied coatings are used in the construction of pre-insulated pipelines, oil and gas, and water pipelines. Canusa-CPS prides itself on developing high performance materials for these markets that are fully in compliance with all major oil and gas, petrochemical and district energy standards, and that have the maximum window for application within every possible expected construction environment. The materials must be capable of being installed in all seasons, this is where Canusa-CPS's technology is proven to protect against a range of challenges, including corrosion, extreme temperatures, mechanical damage and more.

**How does Inpridi, with the help of Canusa-CPS, approach the need for materials that provide enhanced HSE benefits – not only to operators using the materials, but throughout the expected life cycle of the pipeline?**

Canusa-CPS, as part of the Shawcor Ltd., benefits from having access to extensive laboratory facilities at their R&D headquarters in Toronto, ON, Canada. In addition to designing the chemistry of the coating materials to utilise advanced, non-hazardous polymers, all materials are also tested against the most stringent environmental, health and safety standards to ensure that the operator is fully aware of all HSE requirements. Furthermore, Canusa-CPS and Inpridi provide numerous training sessions throughout the year, certifying operators in the correct installation procedure of all field-applied materials, including health and safety initiatives for the value-added benefit of the operators tasked with installing the products.

**Inpridi is a completely domestic company engaged in the distribution of oil and gas pipeline protection products. Do your specialised products have applications on newly installed pipelines or are they used for both the repair and maintenance of existing pipelines?**

Inpridi is a Serbian company. The materials supplied by Canusa-CPS to the Serbian market via Inpridi are used for both newly constructed projects in the oil and gas, and pre-insulated pipeline market and in the repair and maintenance of existing pipelines,

structures, tanks, storage facilities etc. The application procedures are remarkably similar for both new-build and repair/rehabilitation programmes, with the key differentiator being the high-performance and low pre-heat adhesive technologies offered by the Canusa-CPS range of products.

**Are the products used in the field compatible with pipeline coatings applied in factories? Are they designed for application in different conditions?**

Yes, Canusa-CPS products are compatible with all the factory mainline coatings in Serbia. However, there isn't a single product that's used for all situations. Inpridi and Canusa-CPS carefully evaluate each project based on a number of factors, both from the perspective of the operating conditions of the asset in question and also the capability of the contractor tasked with executing the works to ensure the correct product is supplied for the project and can be applied correctly, safely and in full accordance with the expectations of the asset's end-user.

**Infrastructure projects are in full swing in Serbia, with district heating pipelines and oil and gas pipelines being installed. Have your products been included in most, if not all, of these construction works?**

Yes, there is currently a lot of activity in pipeline infrastructure all over our country, whether that's in energy or district heating. This really is a broad market for Inpridi, even though it represents a significant responsibility. However, participating in such significant projects is what makes this rewarding. Inpridi is well on its way to being present in pipeline projects. With the quality of Canusa-CPS products, Inpridi can contribute to increasing the quality of infrastructure under construction, and this is recognised in our market.

**Has Canusa-CPS been involved in any of these large projects and, if so, do you envisage the technologies involved being adopted on the Serbian market?**

Canusa-CPS is indeed involved in many of the largest and most challenging oil and gas, and pre-insulated pipeline projects around the world. Many of these projects utilise

Canusa-CPS's capability in the bespoke design of field joint coating systems, automated equipment and its unique production capability to supply large quantities of material to suit demanding construction schedules. Inpridi has been working with Canusa-CPS for a relatively short time (approximately two years) and has already benefited from Canusa-CPS's ability to quickly mobilise material and highly-skilled training services

**the construction of pipelines in a more efficient manner?**

Canusa-CPS and Inpridi have been actively working to promote several technologies, which are readily used throughout the industry. Such technologies include:

1. The use of high-performance three-layer field joint coating systems for maximum protection against corrosion for girth welds on oil and gas pipelines. Three-layer



**Canusa-CPS and Inpridi are actively working together to provide innovative solutions to increase the integrity of pipelines with an ever-increasing focus on advanced corrosion protection with enhanced HSE benefits and customer support in Serbia**

systems include the use of liquid epoxy coating, applied directly to the bare steel area, which acts as the primary corrosion barrier under the sleeve. These systems are widely adopted worldwide.

2. Use of induction heating equipment – in line with the adoption of abrasive blasting systems, Inpridi and Canusa-CPS have been promoting the use of automation like the induction heating equipment, which is used to quickly and consistently heat the pipe area before the application of the field joint coating system itself. Advantages to contractors in Europe include; productivity, speed and consistency of application;

3. High-performance sacrificial overcoating systems for horizontal directional drilling (HDD) – Canusa-CPS has a fiber-reinforced composite mechanical protection System, called Scar-Guard®. Scar-Guard is straightforward to apply, requires minimal equipment and cures within hours, providing the contractor with significant operational advantages versus traditional UV-cured systems.

to support the complex pre-insulated pipeline projects initiated within Serbia and is working effectively with Canusa-CPS to promote the use of newer products within the oil and gas markets.

**What technologies are Inpridi and Canusa-CPS hoping to implement in Serbia to help**