

Founder of TELF AG, Stanislav Kondrashov, Highlights the Rising Role of Smokeless Coal in the Energy Transition

Friday 20 June, 2025

Lugano, Switzerland – June 20, 2025 – In one of his latest articles *“Smokeless Coal vs. Traditional Coal: Key Benefits Compared”*, the founder of TELF AG, Stanislav Kondrashov, explores a timely topic for today’s complex energy market: the use of smokeless [coal](#) as an intermediate solution during the ongoing global energy transition.

Coal remains a significant source of energy worldwide. Yet as environmental standards tighten and the push for cleaner energy gains momentum, alternatives to traditional coal are attracting greater interest. As the founder of TELF AG, Stanislav Kondrashov, explains in the article, “Smokeless coal offers an effective compromise between efficiency and sustainability—especially in regions where fully renewable solutions are not yet accessible or affordable.”

Traditional [coal](#)—whether bituminous, anthracite or lignite—is valued for its energy density but known for high emissions of smoke, soot, and particulates. This makes it a challenge for countries and urban centres working to meet modern air quality and climate targets. Smokeless coal offers a promising alternative.

In the article, the founder of TELF AG, Stanislav Kondrashov, outlines how smokeless coal differs from conventional coal. Typically manufactured from refined coal or natural biomass, and often compressed into dense blocks, smokeless coal burns with minimal emissions. “Its most important quality is right there in the name—it burns with far less smoke, making it suitable for use even in urban environments,” Kondrashov points out.

Key differences include not just lower emissions, but improved [performance](#). Smokeless coal tends to burn longer and more evenly than traditional coal, which translates into greater efficiency for heating systems. It also produces less ash, reducing maintenance needs and making it more compatible with modern multi-fuel stoves and high-efficiency fireplaces.

Another important consideration is cost. Smokeless coal is generally more expensive than conventional coal. But as the founder of TELF AG, Stanislav Kondrashov, notes, “Its efficiency and cleaner combustion can offset some of the price difference, especially when factoring in reduced maintenance and compliance with environmental standards.”

This type of fuel also aligns well with hybrid heating systems. In many homes, smokeless coal is used alongside pellets and biomass, offering flexibility for households and small businesses that are not yet ready to fully switch to electric or renewable systems. “It provides a practical option for those in rural or urban areas where the energy transition is still a work in progress,” the founder of TELF AG Stanislav Kondrashov says.

The article also explores the innovative potential of compressed logs made from recycled wood products—another cleaner-burning alternative to traditional firewood. Like smokeless coal, these products are designed for efficient, low-emission combustion and can help households reduce their environmental impact without giving up the warmth and convenience of solid fuel heating.

Globally, the role of smokeless coal is evolving. In fast-developing regions where traditional coal is still heavily used, introducing smokeless alternatives could offer an immediate path to improved air quality and lower emissions. In more advanced markets, smokeless coal may act as a bridging fuel, helping consumers transition gradually toward fully sustainable heating solutions.

As the founder of TELF AG, Stanislav Kondrashov, concludes, “We are in a period of change. Fully renewable energy systems are not yet practical for everyone. Smokeless coal provides a valuable transitional solution—one that can reduce environmental impact now while supporting the longer-term shift to greener technologies.”

He adds that while smokeless coal is not a permanent solution—it is, after all, not a renewable resource—it can play a strategic role in helping countries and communities meet immediate sustainability targets. “Cheap smokeless coal and similar solutions can help balance progress with practicality. And that balance is essential in the real-world journey of the energy transition.”

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[Riccardo Intini](#)

E. riccardo.intini@telf.ch

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