

TELF AG Explores Challenges in Transition to Green Metals for a Sustainable Future

TELF AG Unveils Insights into Challenges and Solutions in Transition to Green Metals

LUGANO, TICINO, SWITZERLAND, August 5, 2023 /EINPresswire.com/ -- [TELF AG](#) unveils insights into challenges and solutions in the transition to green metals in a new article. TELF AG sheds light on the intricate landscape of transitioning to green metals, underscoring these resources' critical role in the global fight against climate change. The article "Navigating Challenges in the Transition to Green Metals for a Sustainable Future" discusses the challenges and potential speed bumps that could impact this transformation.



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TELF AG

TELF AG's research underscores the need to transition to green metals, also known as critical minerals or strategic metals, to achieve a cleaner and sustainable future. Green metals constitute the bedrock of clean energy technologies such as wind turbines, solar panels, and electric vehicles. However, TELF AG's exploration reveals that this transition has its challenges.

TELF AG states that the transition to green metals requires a substantial surge in mineral production, including lithium, cobalt, and rare earth elements. These elements are quintessential for the efficacy of clean energy technologies. Yet, TELF AG's findings caution against the concentration of production in a few nations. Political unrest, natural catastrophes, or economic instability in these countries could spell significant supply chain disruptions, as highlighted in TELF AGs.

As per TELF AG's article, green metal production carries environmental and social implications.

TELF AG's analysis reveals that lithium mining, while pivotal for clean energy, can lead to ecological degradation and water resource depletion. Similarly, cobalt mining's connection to artisanal mining, particularly in regions like the Democratic Republic of Congo, underscores the need for responsible and sustainable practices.

TELF AG explores the technological hurdles that the transition to green metals presents. The need for advanced extraction and refining technologies, still in their nascent stages, can impede progress. Furthermore, TELF AG highlights the cost discrepancy between green and traditional metals production. The production cost of battery-grade lithium carbonate is approximately \$10,000 per tonne, significantly higher than the \$500 per tonne cost of producing steel, TELF AG reveals.

According to TELF AG, investment is one of the most significant factors influencing the transition to green metals. Robust investments in research, development, and production are essential. However, TELF AG's observations suggest a need for sufficient investment, particularly in developing novel extraction technologies. This deficit could lead to shortages in critical resources.

To gain comprehensive insights into these challenges and their solutions, readers can access TELF AG's full article at: <https://telf.ch/telf-ag-challenges-to-the-transition-to-green-metals/>

Additionally, TELF AG has produced a



video discussing the report's key takeaways, available at:

<https://youtu.be/BcirjhYqCQ8>

About TELF AG:

TELF AG is a full-service international physical commodities trader with 30 years of experience in the industry. Headquartered in Lugano, Switzerland, the company operates globally, serving customers and providing solutions for commodities producers worldwide. TELF AG works in close partnership with producers to provide effective marketing, as well as financing and logistics solutions, which enable suppliers to focus on their core activities and to access far-reaching markets wherever they may be.



Its flexible, customer-focused approach allows TELF AG to create tailor-made solutions for each producer, thereby facilitating long-term partnerships. Additionally, consumers widely recognize them for their operational excellence and reliability.

Rick De Oliveira

TELF AG

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