



**Showcasing research from Professor Maréchal's group, School of Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland.**

On the role of system integration of carbon capture and mineralization in achieving net-negative emissions in industrial sectors

In this work, the role of system integration for deploying carbon capture and mineralization in industrial sectors was highlighted. We have shown that considering mass and heat integration is paramount from an economic and environmental perspective, opening the door to net-zero and net-negative cement, steel and waste sectors.

### As featured in:



See Rafael Castro-Amoedo *et al.*,  
*Energy Environ. Sci.*, 2023, **16**, 4356.