

75 years WACKER SILICONES

Transition to a carbon neutral silicon production

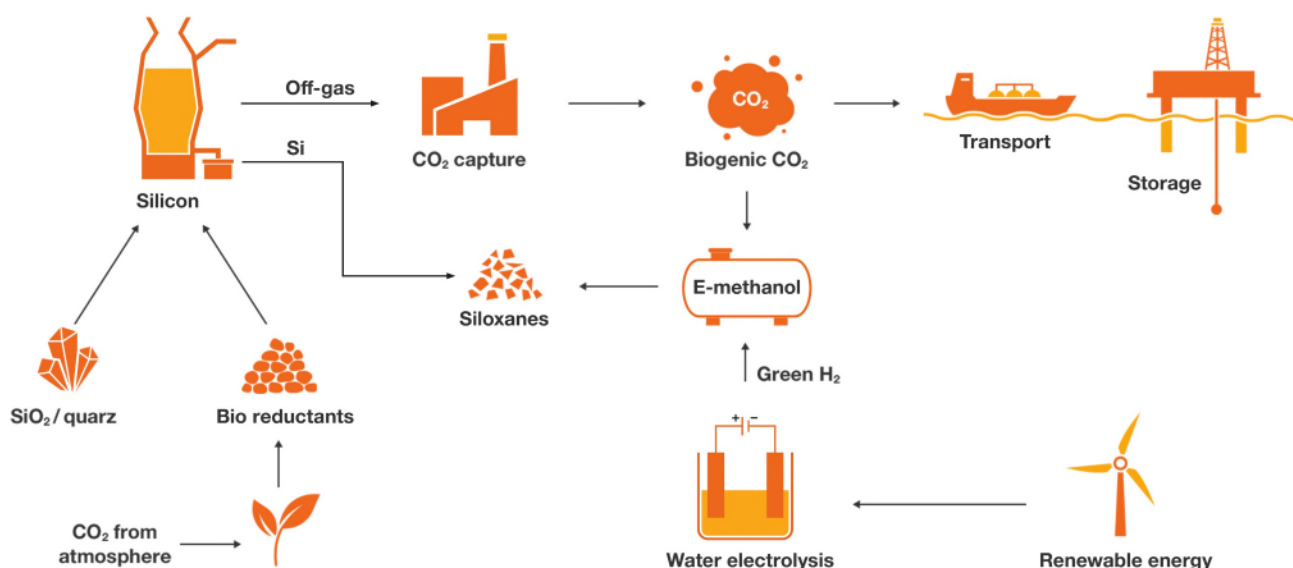
The silicon production in Norway has been switched to green electricity. The next step contributing to our corporate sustainability target will be the stepwise introduction of bio-based reductants replacing fossil carbon used in the production process. In addition, carbon capture technologies enable the permanent storage and utilization of carbon dioxide. Thereby carbon dioxide could even be effectively removed from the atmosphere. Captured carbon dioxide as raw material may yield precious products such as green methanol, e-fuels and methane – if converted with green hydrogen.

Our Goal

- ▶ further significant reduction of corporate carbon dioxide emissions
- ▶ improvement of the silicon's carbon footprint and its subsequent products
- ▶ establishment of a carbon dioxide value chain

Materials and Concepts are Investigated

WACKER strives to adopt bio-based reductants and evaluates carbon dioxide deployment options. Consequently, potential materials, sources and concepts are explored with regards to their performance and scalability.



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