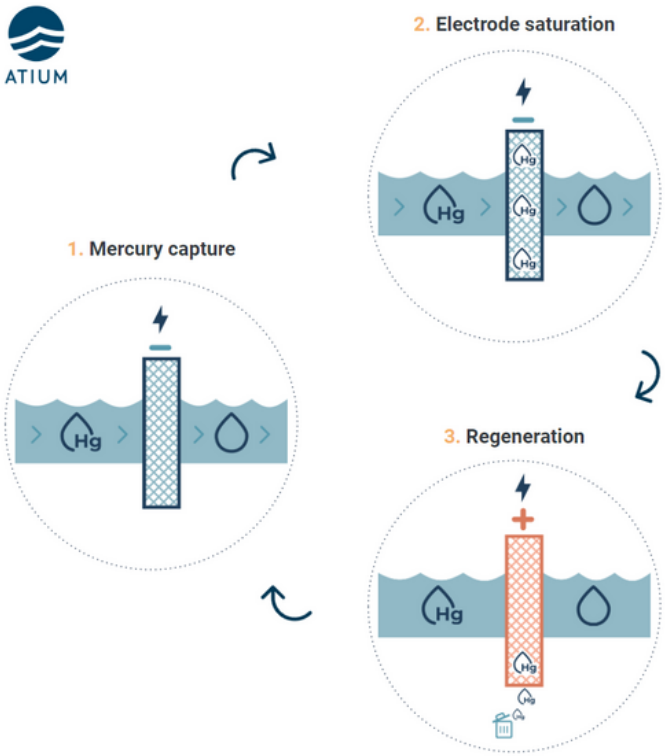
ATIUM

Project Partner: Atium AB
Country: Sweden
Industrial ecosystem: Energy-intensive
Date of the award: 29/09/2023
Duration: 01/12/2023 – 30/11/2024

~ Enabling selective and resource efficient removal of mercury from water and chemicals ~

This project will further develop a reusable technology for selective removal of mercury from water and chemicals. The innovation stems from research in electrochemistry and surface physics at Chalmers University of Technology, and makes it possible to remove mercury from polluted waters in a new and resource-efficient way. There is a great need for better treatment methods for waste- and process water in industries such as mining, chemical production, recycling and energy.

The goal of the project is to demonstrate a new technology which can reduce operating costs and climate impact by reducing energy consumption and waste generation, as well as increasing the effect of purifying low concentrations. In this project, a demonstration prototype will be developed, constructed and tested in both lab and industrial environments, taking it from TRL5 to TRL7.



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