



## HEXEM BUSINESS PLAN JUNE 2023

### 1. EXECUTIVE SUMMARY

[Hexem](#) has developed a wastewater treatment technology that allows the recovery of energy and clean water. It is at least 20x smaller than traditional technologies, allowing a renting business model in the water sector.

Using the Hexem technology, industries producing high strength wastewater have an incentive to treat their wastewater by saving treatment costs and producing carbon neutral biogas. Hexem's main users are in the food and beverage industry such as dairies, breweries, wineries and other producers of high strength wastewater, for example biofuel refineries.

Hexem has developed a TRL 5 prototype which can remove organic matter (chemical oxygen demand, COD) from cheese wastewater up to 20 kg/m<sup>3</sup>/day while producing biogas of up to 80% purity. Five potential clients, engineering firms and dairy companies, have signed letters of interest. Hexem is currently looking for partners to build 5 pilot plants together with these clients.

Hexem was incorporated near Verbier in Switzerland in October 2021. Once seed funding of CHF 1.2 million is secured, the founder Michael Siegert and his team will begin to increase the team and to industrialize their product. The seed funding will allow Hexem to operate for 1 year and build 2-3 pilots. Additional funding of CHF 3.7 million is needed after the first year.

Initially, Hexem will either sell or to users or to intermediate engineering firms. The final commercial Hexem product will be a containerized wastewater treatment system available for rent. It will include electrolysis reactors, optional methane storage and optional power conversion units. Hexem will start its business by selling electrodes and services, as well as by licensing out intellectual property (2 international patents, two US grants). Our long term vision is that we rent out mobile Hexem Systems.

### 2. CONTACT

Hexem SA  
Route industrielle 33  
1897 Port-Valais  
Switzerland  
CH +41 792894356  
DE +49 15775769446  
[contact@hexem.ch](mailto:contact@hexem.ch)  
<https://hexem.ch>  
CHE-194.293.382