



ZERO BRINE & THE ONLINE BRINE PLATFORM: REDESIGNING THE VALUE AND SUPPLY CHAIN OF WATER AND MINERALS

PROJECT ZERO BRINE; Horizon 2020 Framework Programme

DURATION June 2016 – May 2021

PROJECT COORDINATION TU Delft, Roelof Moll

TOTAL BUDGET €11.3 M

RELATED WORK PACKAGE WP6 – Online Brine Platform

Application of the software for the case of Netherlands

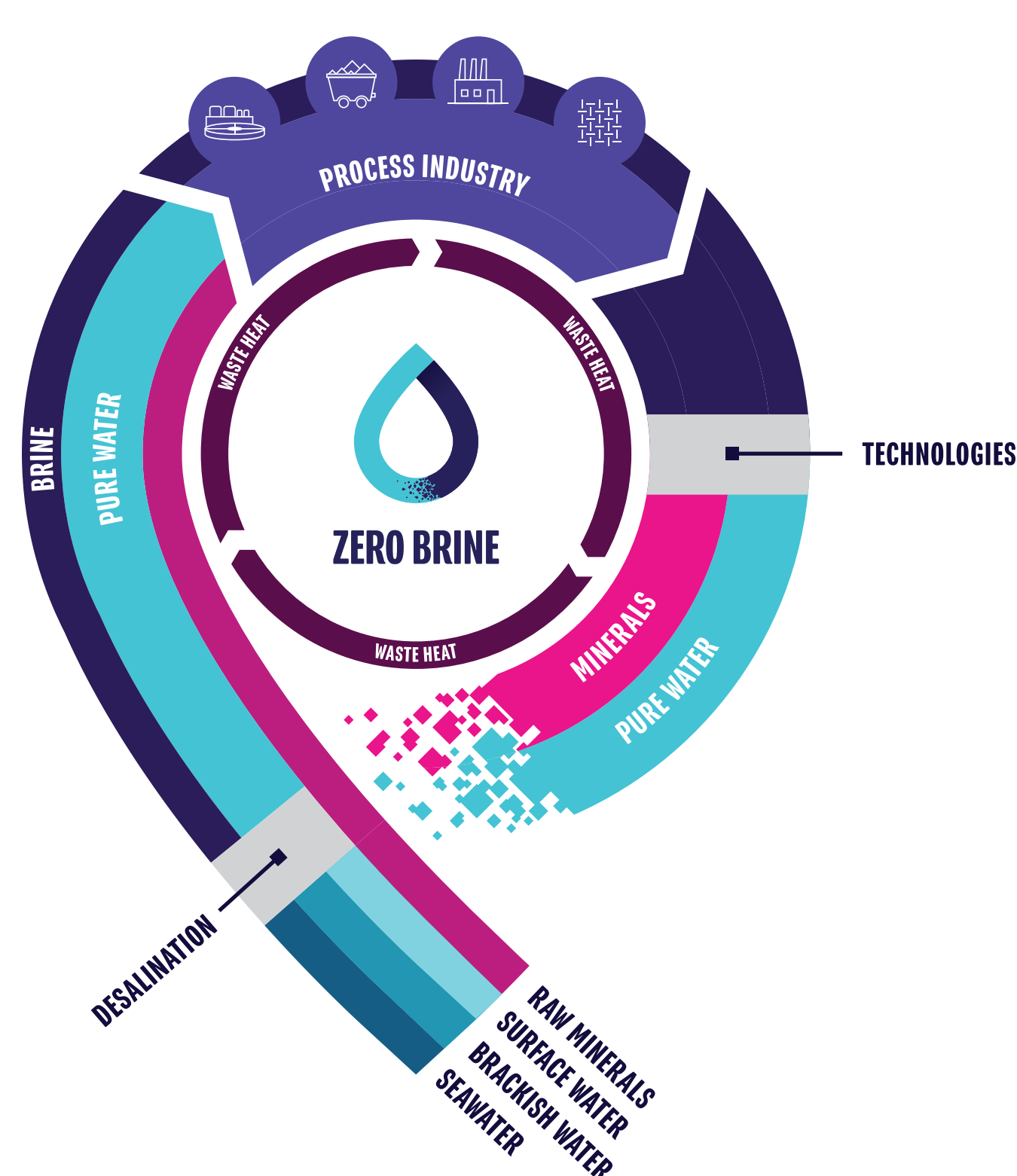
WP6 LEAD ISPT

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PARTNERS INVOLVED NTUA, SEALEAU, TU Delft, REVOLVE

INITIATING THE ZERO BRINE PROJECT THROUGH THE ONLINE BRINE PLATFORM

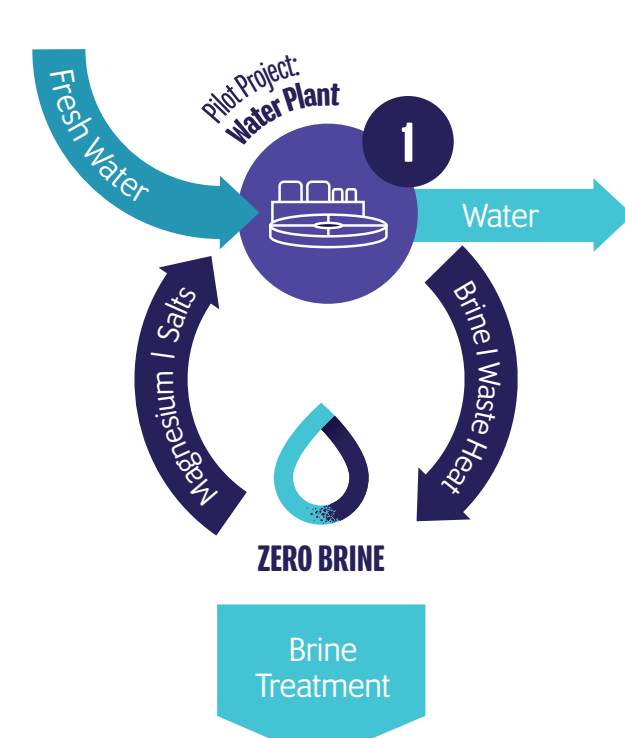
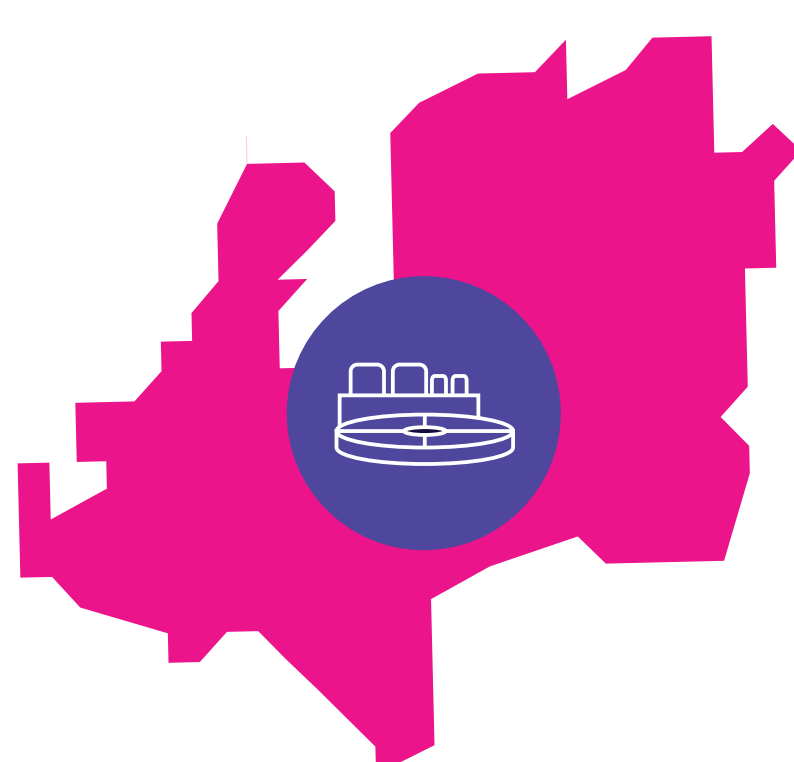
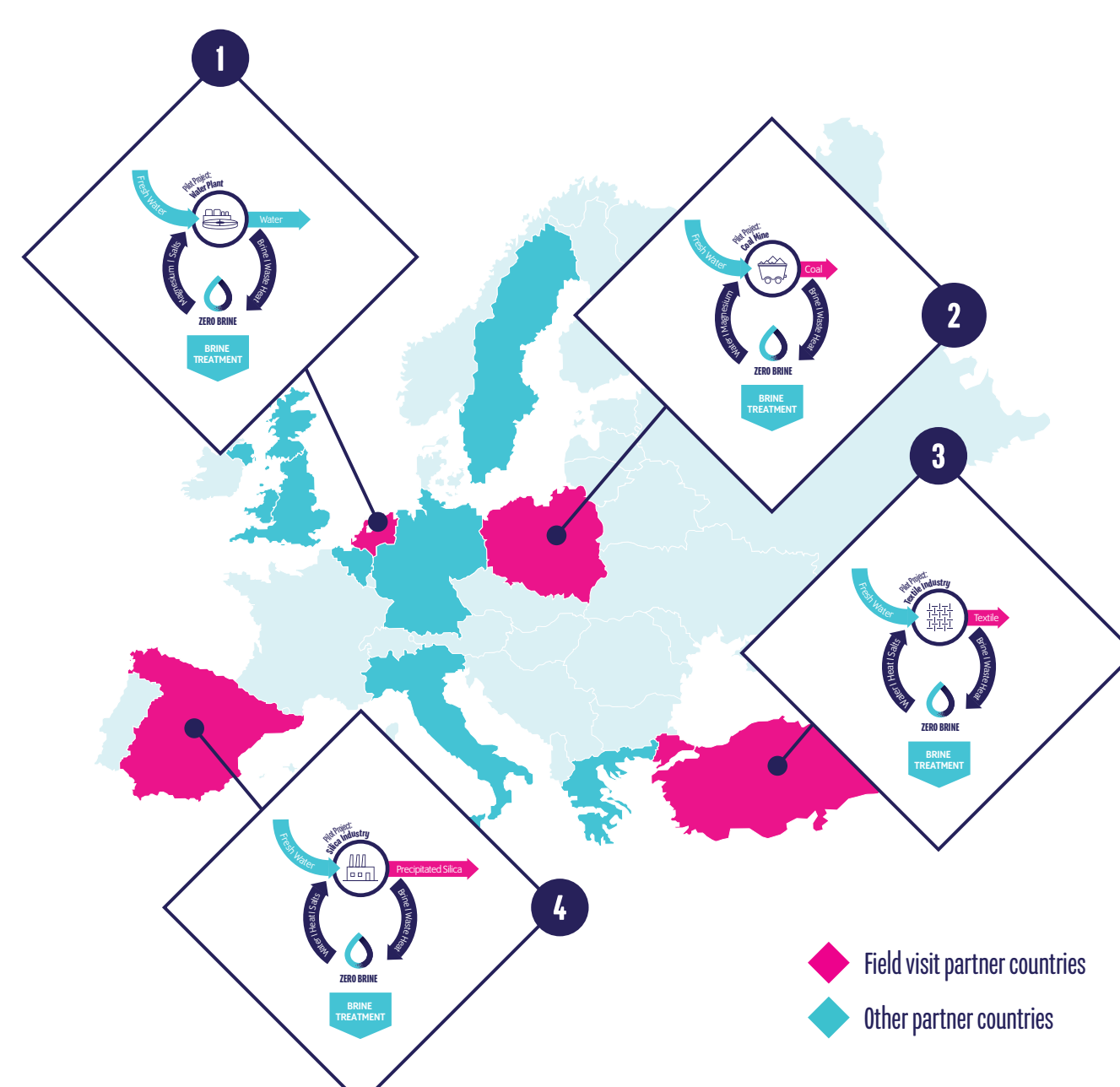
What is the ZERO BRINE project?



- EU project aiming to recover/re-use salt and water from brine streams (Circular Economy)
- Develops and offers technical solutions to achieve sufficient purity
- Facilitates business opportunities by recovering residual materials from waste

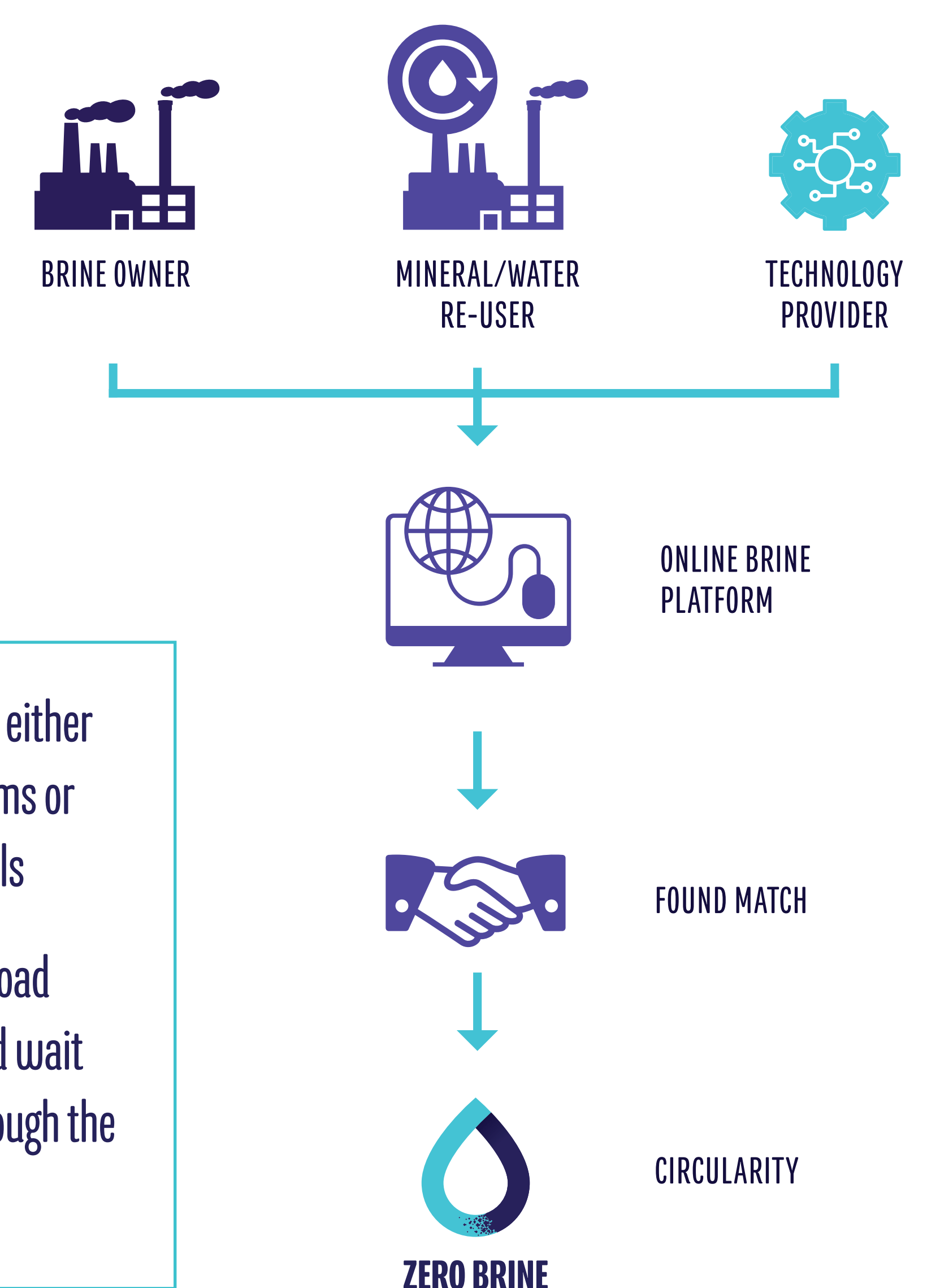
ZERO BRINE is designing the circular business model for the value chain of water and minerals, through industry brines. Key strategic technologies developed during EU-funded projects join hands to enable the transition from linear to circular economy, while participating end-users ensure the market exploitation of the project results.

- EU wide project (including the Netherlands)
- Four pilot projects in four different countries
- In the NL, pilot project in Botlek to recover Heat and Magnesium from Brines (to be initiated in 2019)



What is the Online Brine Platform?

- Supports the communication of business opportunities between stakeholders along the value chain
- The Brine Owners (processing industries) and the Brine Re-users are connected together with the providers of the technologies
- The users are matched based on the:
 - Required materials
 - Quality of the materials
 - Quantity of the materials
 - Distance
- Workshops on the OBP tool will be provided in the five industrial clusters of the Netherlands



BRINE OWNERS can offer either the untreated saline streams or already recovered materials

BRINE RE-USERS can upload their needed materials and wait for a match or browse through the platform on their own

CONSORTIUM PARTNERS

