

# CASE STUDY: OXYMEM LIMITED



Supplier of highly innovative membrane systems and solutions for the OpEx-efficient treatment of secondary wastewater streams

## Client



## Transaction Overview

- Two separate funding transactions:
  - DuPont (formerly Dow Chemical Company) in April 2016 [terms not disclosed]
  - Saudi Aramco in June 2017 [terms not disclosed]
- DuPont completed the full acquisition of OxyMem in January 2020

## Client Overview

- OxyMem, a University College Dublin spin-out, commercialises an innovative infrastructure solution to reduce costs for wastewater treatment – the Membrane Aerated Biofilm Reactor (MABR).
- OxyMem's breakthrough technology tackles the industry's biggest challenge – energy costs. Conventional wastewater treatment consumes 2-3% of electricity production, due a 100 years reliance on bubble aeration for conventional treatment plants, which suffer high energy losses.
- OxyMem uses hollow fibre, silicone-based gas permeable membranes, to support a fixed film ecosystem allowing for direct delivery of oxygen to the micro-organisms which break down the pollutants.

## Sector



## CleanTech Capital Advisors' Role

- CleanTech Capital Advisors was the exclusive corporate finance advisor to OxyMem and was closely involved in all aspects of the transaction, including:
  - Marketing documentation preparation
  - Financial modelling and valuation
  - Due diligence coordination
  - Structuring and negotiation
- CCA leveraged its extensive investor network and in total ~55 counterparties were contacted, involving CVC and VC funds.

## Counterparty Overview

- The Dow Chemical Company delivers a broad range of technology-based products and solutions to customers in 180 countries in high-growth sectors such as packaging, electronics, water, coatings and agriculture. Dow had annual sales of \$49 billion in 2015.
- Saudi Aramco Energy Ventures ('SAEV') is the strategic technology venturing program of Saudi Aramco, the world's leading integrated energy and chemicals company. Its mission is: "to invest globally into start-up and high growth companies with technologies of strategic importance to Aramco, to accelerate their development and their deployment in Saudi Aramco."

## Geography

