



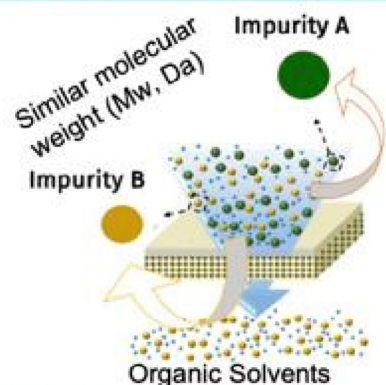
Institute for Engineering Leadership
College of Design and Engineering

The future solvent recovery solution

Problem Statement

The current distillation-based solvent recovery method yields only 95% purity, below the 99%+ required for electronic-grade solvents. This process is also highly energy-intensive, making it unsustainable and economically inefficient for the semiconductor industry.

Solution



Nano-filtration

Patented Tech:
Vapor-treated Nanomembrane

Patents: PCT/SG2021/050423 &
PCT/SG2023/050136

Market Size



Financials



Contact

Shan.huang@0celot.com

Value Proposition

Ocelot's membrane technology enables efficient recovery of 99%+ purity electronic-grade solvents from waste, overcoming distillation limitations, reducing energy use and costs, and offering a sustainable, high-value solution for the semiconductor industry.

MVP

Filtration System



Road Map

ASEAN
Market

Expansion into
Greater China

Expansion into
EU

2025

2026

2027

2028

2029

Competitor Analysis

	CELOT	EVONIK POWER TO CREATE	atech innovations gmbh
Pore Size	0.2-2 nm	0.5-2 nm	$\geq 0.1 \mu\text{m}$
Working Temperature	$\leq 80^\circ\text{C}$	$\leq 50^\circ\text{C}$	$\geq 121^\circ\text{C}$
Working Pressure	$\leq 60 \text{ bar}$	$\leq 60 \text{ bar}$	N/A
pH	0-14	7	0-14

Meet the Team !



CTO
Dr. Helen Gao



CEO
Shan Huang



Technical Advisor
Prof. Neal Chung



Mattias Nad
Msc



Nan Wu
Msc



Jiajun Ding
Msc



Pavitra T
BA