



X-MEM

Next Gen Membranes Today!

Pain Point



Air Pollution leads to:

- 1.7M dead children/year
- 15% higher Covid-19 deaths
- Global economic loss of \$2.9 trillion/year

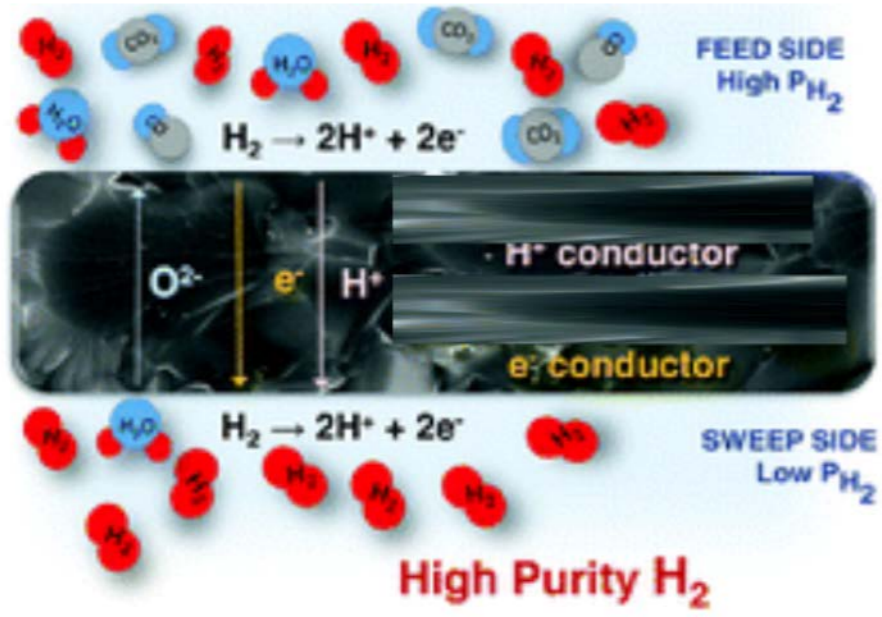
Value Proposition (Clean Source of Energy - H₂)



UHP (Ultra High Purity) Hydrogen Gas

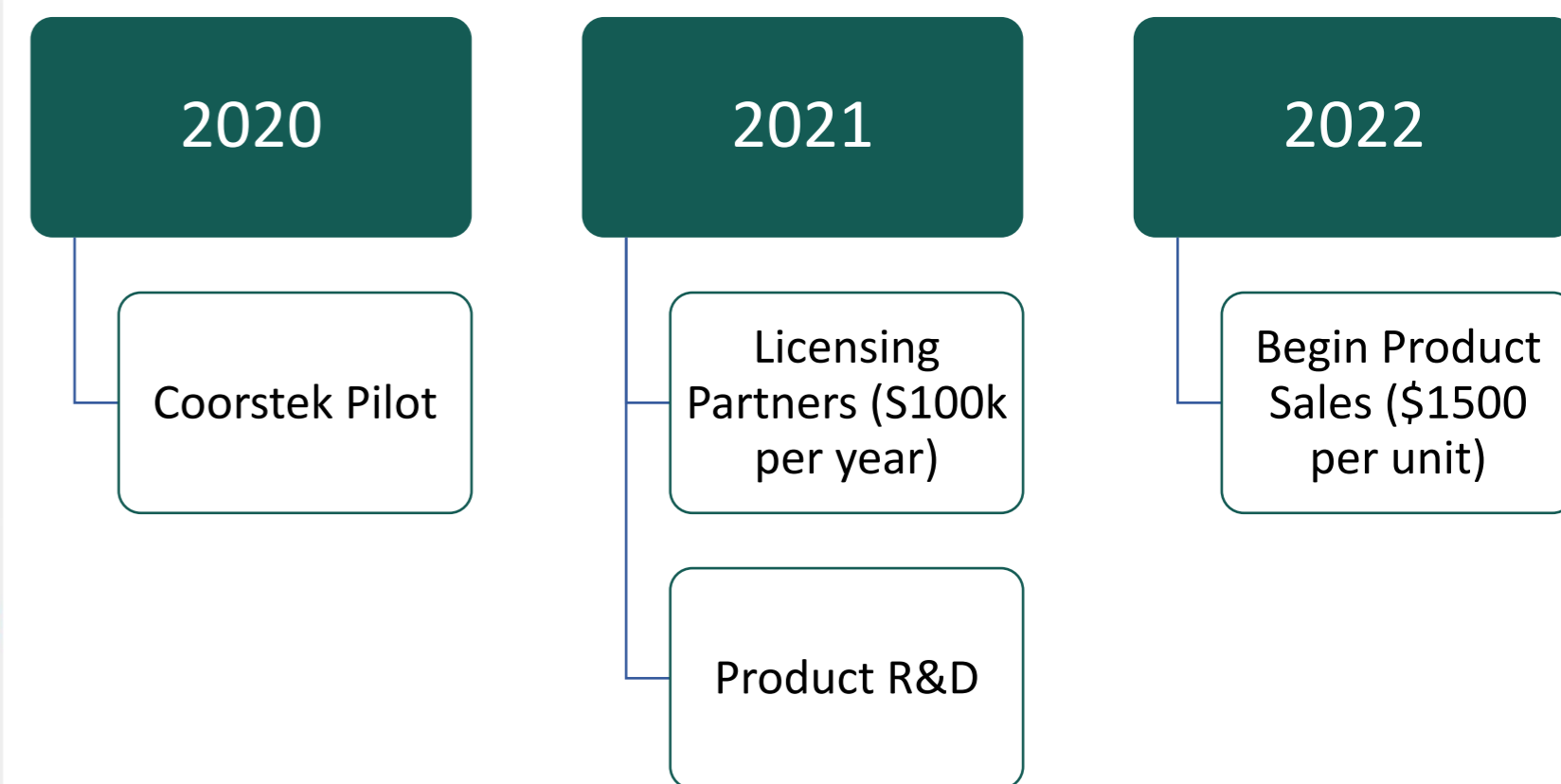
X-MEM specializes in Ceramic Membranes providing exceptional yield of Clean Hydrogen Gas at highly competitive price (50% lesser than existing technologies).

Solution & Tech Features

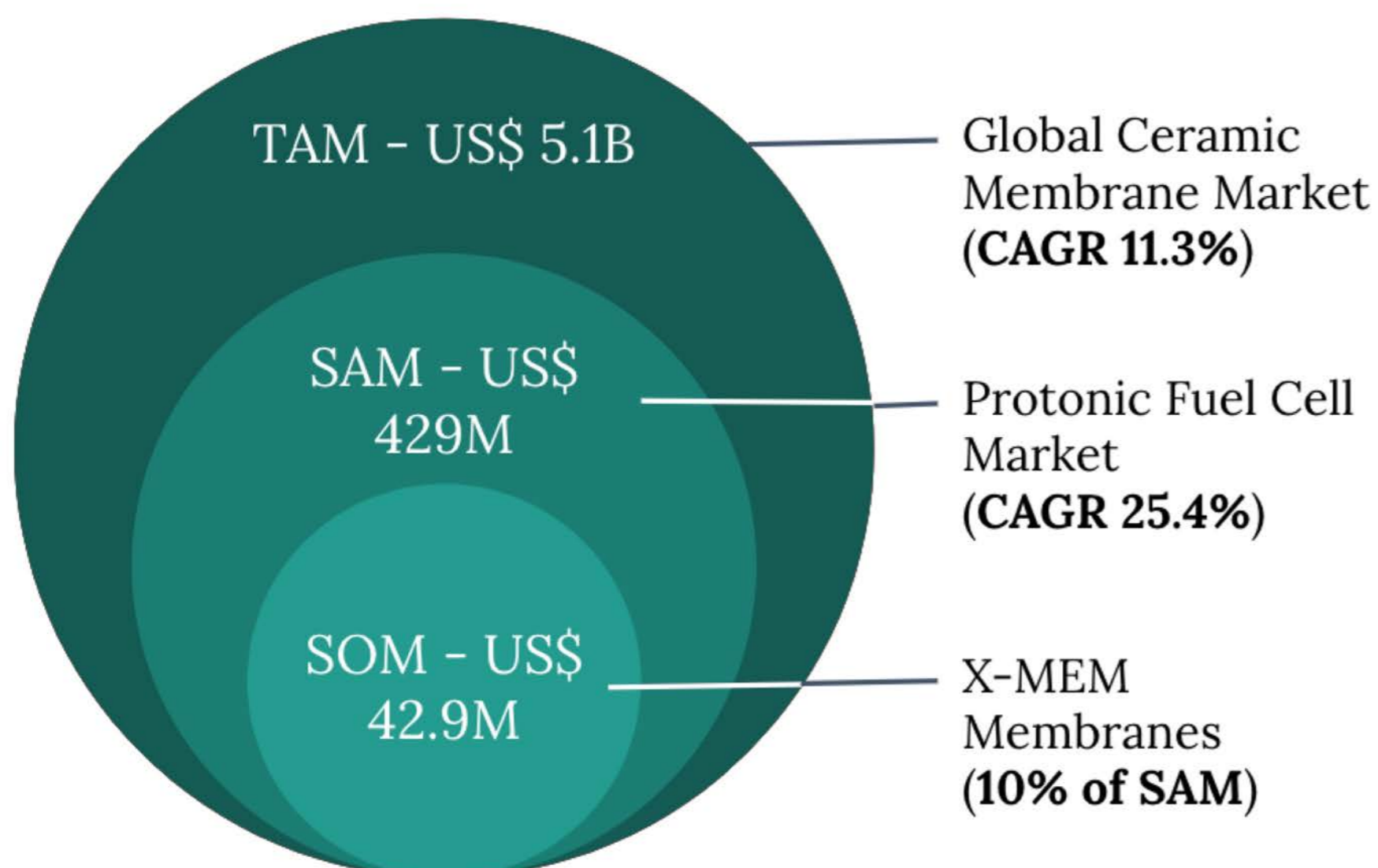


01	Working Temperature Range	(550 - 750)°C
02	Flux of 80% H ₂ at 750°C	0.35 mL/(min.cm ²) = 21 kg/(hr.m ²)
03	Permeation Size	Minimum 4Å
04	Cost of Producing UHP H ₂	US\$2.0/kg <50%
05	Membrane Material	Inert Ceramic
06	Additional Features	Reusable and Energy Efficient

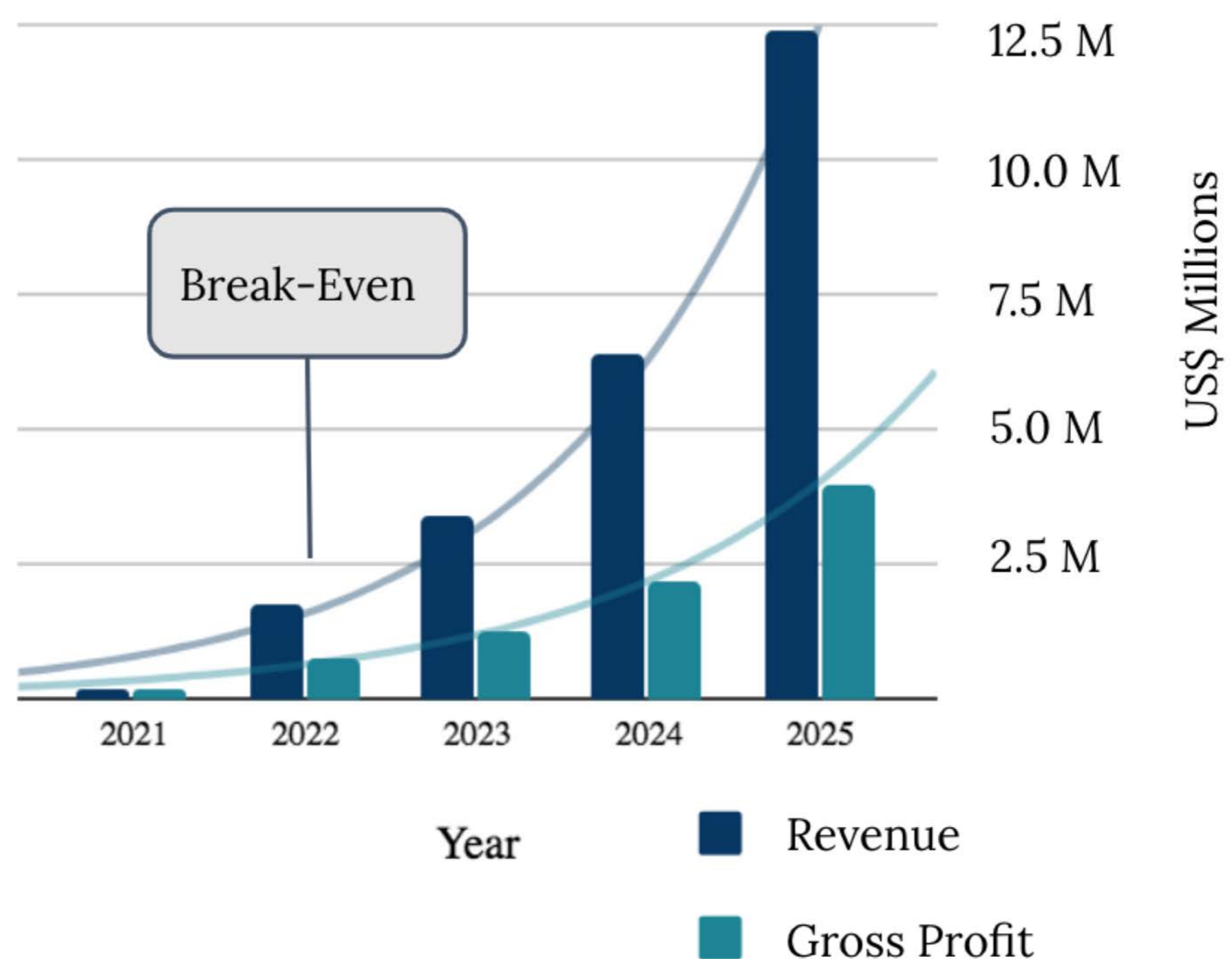
Business Model



Market Size



Financial Projections



Ask: \$500k

RoI: 20x

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