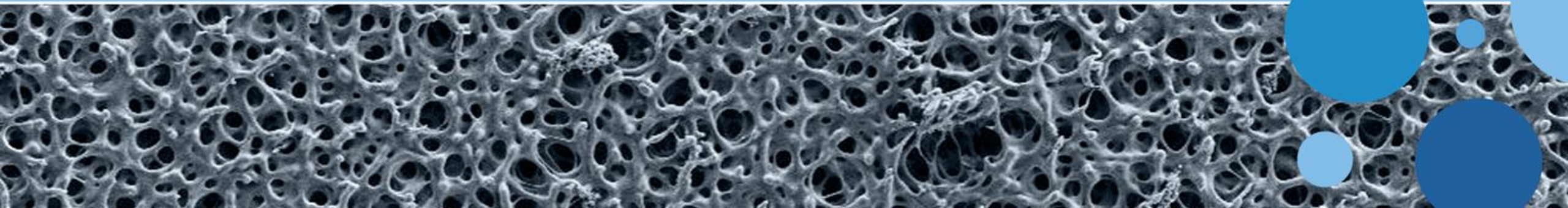




MemTech
Advanced Membrane Technologies

WMF2019

June 2019



The Challenge



How to pave the right way between academy and industry – a fast and efficient approach.



What are the main issues for a start-up to be well positioned in the membrane ecosystem.



How to identify and collaborate with the right strategic partner in the water industry.



Technion > Memtech > Industry



Research for new polymers usually comes from the academy.



Can come from materials companies when polymer development is part of company strategy.



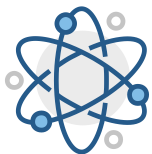
Start-ups have flexibility to develop families of materials that may suit different strategic companies for the industry.



Memtech was looking for new polymer to respond to specific issues in the membrane industry.



Our Advantages



Small and dynamic team, based on expertise in chemistry, material science, and mechanical engineering, to support membrane development.



Team can **act fast**.



We leverage our relationships with the Academy to integrate and provide real-time more additional technologies to support a full solution – **timing is a factor**.



We are working from day one **in parallel** with a few **strategic partners** to understand and balance the industry needs.



We minimize the risk by getting fast feedback from the industry.

Key Market: Oil & Gas

- Disruptive technology.
- Great market opportunity: oil/water separation in fracking is a major problem.
- We offer highly cost effective oil/water separation treatment based on UF membranes.
- We have an American strategic partner company present in the oil & gas market.
- First year results:
 - Membrane customized to suit needs of oil/gas industry.
 - Membrane tested and validated on research scale in Houston, Texas.
 - First commercial deployment for fracking client in Texas.
- We think as a full solution provider.



Key Points



Memtech can be an interface between the academy and industry.



We minimize start-up disadvantages (limited resources, lack of mass production capabilities, limited industry specific knowledge) by working with strategic partners to develop and deploy breakthrough technology quickly.



Our team, working with our strategic partners, developed an integrated membrane based solution.



The oil and gas sector needs a cost effective solution for treating the produced water.



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Thank You

www.advanced-mem-tech.com

