




# ISRAELI WATER TECHNOLOGY OPPORTUNITIES

AND THE OHIO-ISRAEL AG & CLEANTECH INITIATIVE

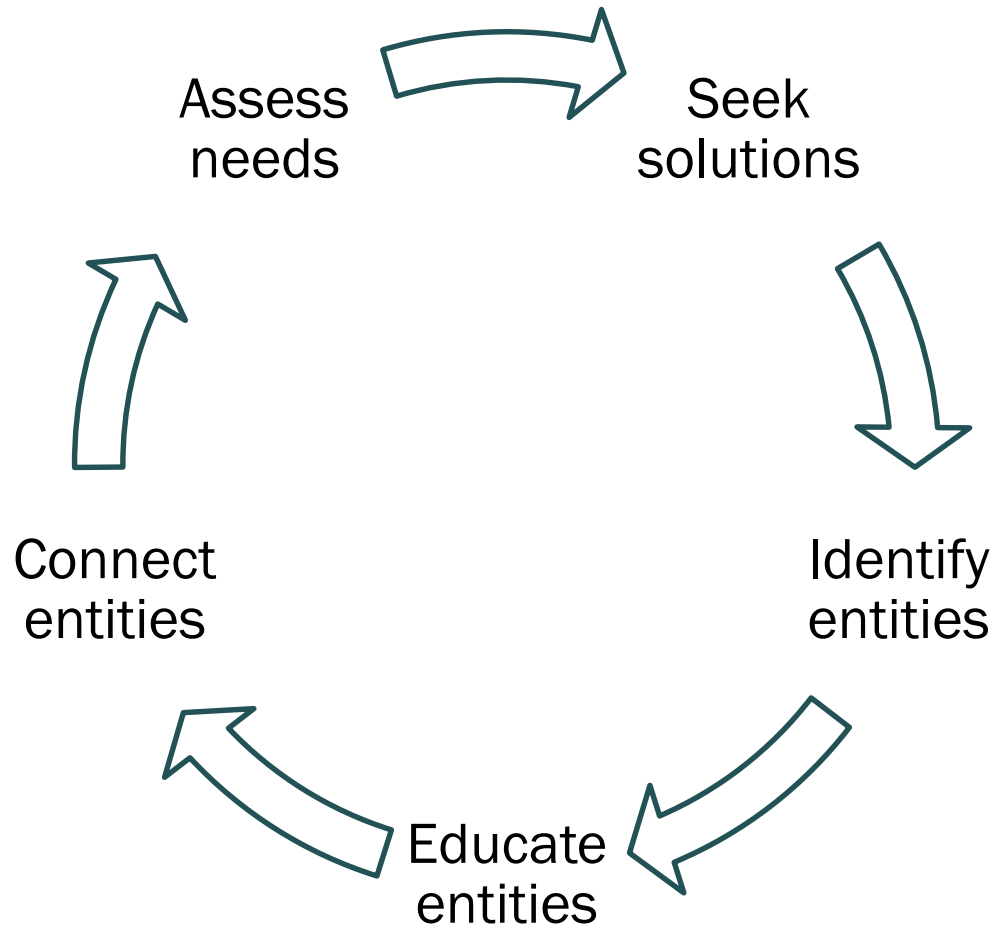
# OHIO-ISRAEL AG & CLEANTECH INITIATIVE (OIACI)

- Work one-on-one with Ohio farmers, academics, and community leaders to continue to monitor evolving needs in agriculture and water management
  - Identify Israeli technologies with the potential to meet these needs
  - Attend Ohio tradeshow, conferences, and other professional events to educate Ohio agriculture and water professionals about current Israeli technologies
  - Organize and conduct Professional Development Missions to Israel so that Ohio professionals have the opportunity to see innovative technologies first-hand
  - Facilitate business connections, research and pilot opportunities, and other information exchange between Israeli and Ohio entities
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# WATER

- The “OIAI” became the “OIACI” with the addition of CleanTech / water focus in 2015 following an in-depth report created by the OIAI at the request of members of the Ohio legislature
- Now, the OIACI is primarily focused on agricultural and CleanTech industries with a special interest in water safety and management
- We work to identify Israeli technologies that have the potential to address Ohio’s current and future needs in these sectors





# OHIO WATER CONCERNS



- Toxic algal blooms
- Fertilizer runoff
- Water contamination
- Septic tank failure

# TOXIC ALGAL BLOOMS: BLUEGREEN WATER TECHNOLOGIES

- Lake Guard™ is a prophylactic, cost-effective solution to toxic algal blooms
- Fuses market-approved, well-validated algaecides with a novel delivery mechanism that can be used on a large scale
- Inert, biodegradable, has no effect on the environment, and leaves no trace in the water within 24-36 hours



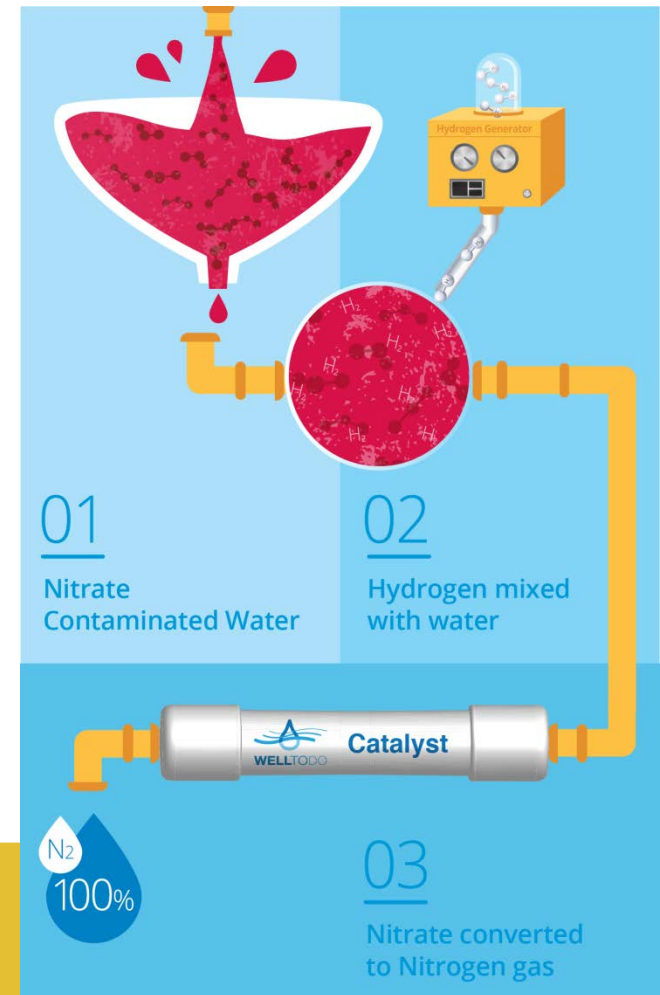
# FERTILIZER RUNOFF: GROUNDWORK BIOAG

- Specialized mycorrhizae fungi effectively extend the plant root system with mycelium
- Most plants are only able to absorb approx.15% of total phosphorus fertilizer, with 85% “running off”
- Mycorrhizae are able to dissolve and actively absorb phosphorus, leading to lower application needs and less runoff



# WATER CONTAMINATION: WELLTODO

- Rather than concentrating contaminants, this solution converts contaminants into non-polluting compounds
- The only physical chemical nitrate removal process that does not generate any concentrate or byproducts
- The WellToDo innovative catalyst uses Activated Carbon Cloth, and the entire system is ready to use “off the shelf”



[HTTP://WELLTODO.CO.IL](http://WELLTODO.CO.IL)



# SEPTIC TANK FAILURE: FLUENCE CORP.

- Aerobic, modular wastewater treatment solution reduces energy usage by up to 90% compared to conventional treatment
- Cost-effective, low-odor and low-noise, and simple operation make this system ideal for residential use



# OIACI: PLANNED ACTIVITIES

- **Continue Professional Development Missions to Israel on a state-wide and community specific basis**  
Giving Ohio professionals the opportunity to explore Israeli water technologies in-depth and with a focus on their communities' key concerns
  - **City-specific programming to aid local communities with their unique concerns**  
For example, Toledo has been more strongly impacted by drinking water contamination/water shutoffs than neighboring communities
  - **State-wide showcases featuring the latest Israeli technologies that may effectively address Ohio's water needs**  
Giving Ohio professionals the opportunity to see select Israeli technologies addressing State-wide concerns first-hand
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# FUNDING

- The OIACI is a state-funded program
- Current budget is supplemented by local funding from community foundations
- Local foundations are making small investments to create big value in their communities

The Cleveland Foundation has funded scholarships for area water professionals to attend a Cleveland-centric Professional Development Mission to Israel in March of 2018

- The OIACI hopes to continue and expand this community funding model in other cities as we work to address more local needs within Ohio

# CONTACT

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