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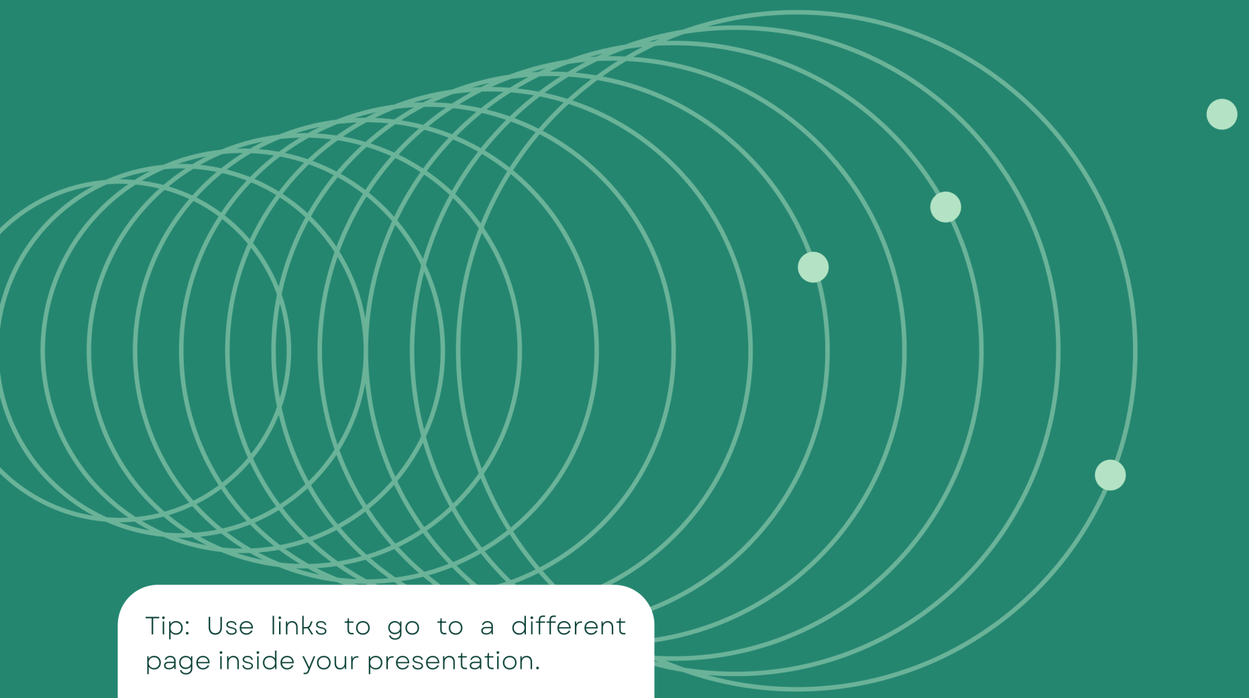
Solar using biomimicry

Presented by: Kenneth mitchell

This event has live translations.

Agenda



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How: Highlight text, click on the link symbol on the toolbar, and select the page in your presentation you want to connect.

INNOVATION DESCRIBED

Our innovation comes from a combination of newly applied sciences. We are designing a new system of how solar can be absorbed and stored using Exclusion Zone water as an additional step in the plasma reactor in our system, to be more affordable energy storage instead of a lithium battery and using a never-before-attempted energy conversion system for solar. We are using natural resources and a combo of bio-based components so we check off the full spectrum of sustainability with creativity in the design. By using low-cost materials we plan on entering the market below cost for most solar. We plan on using this as a staple technology for solar and grid storage, which can provide energy clean water, and new fields of study with this tech. We would open the minds of innovators across global supply chains and re-think the use cases for bio-based materials and the Exclusion Zone Phenomena in Water for natural ways to provide energy/power storage. Dependent on local laws and restrictions if we are able to create a new standard for the supply chain of sourced material from local areas, this will drop the cost of production.

How OUR solution is better than the existing products

There isn’t any solar panel that has used these combinations of innovations as a full system to provide a solar device that uses biomimicry based on hemp nano-materials and a Hydraulic strategy of cactus trichome for absorption and storage of water. The current solar cell in the infographic is composed of three different materials: the top junction is made of gallium indium phosphide (GaInP), the middle layer is made from gallium arsenide, (GaAs), which is surrounded by the aforementioned quantum wells, and the bottom is lattice-mismatched gallium indium arsenide (GaInAs). These materials have been used in solar cells before, have high costs, and are usually imported to dominate the solar power market. I plan on using bio-based replacements for these layers.

Innovation’s unique value proposition

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Readiness to meet your goals and whether your team requires additional talent and resources.

Right now we have the combined research of all the individual parts. How they fit the goal will be to combine these moving parts. Reach out to a prototyping lab space to create the finished product. We will be 3D printing the frame for the panel. Then contact Gerald Pollack and his lab crew to develop the use cases for the 4th phase of water. How it fits in our system for storing EZ water from the air? and then converting that into energy storage for the solar panel for the grid. We will also need someone to develop the quantum dot layers. Then next we will 3D print the design of the panel with the trichrome

High-level budget and plan to meet your goals

Company formation	**500**	**1000**
Staff	**15,000**	**30,000**
Lab space	**5,000**	**10,000**
Prototype	**15,000**	**30,000**
Patent	**14,500**	**29,000**
Total	**50,000**	**100,000**

We will need to develop the quantum dot layers, so we are currently finding the best prices to develop then next we will 3D print the design of the panel with the trichrome layer on top then next we will build the plasma reactor to convert the EZ water to energy to store the solar energy. All of this can be done with the team we are forming based on the network provided and interested universities that wish to collaborate available materials which we can swap out to build a baseline prototype to prove the system works. once we understand what can be provided or used we can quote cost and use cases for allowed materials and step replacements or changes within the overall prototype.

Risks to the development plan and mitigation strategies

We plan on connecting with different Ph.D.s in the field of a Plasma reactors, Perovskite solar cell, Micro-fluidics, Hemp graphene, Magnetic fields, Thermal energy storage, Nanotubes, The 4th phase of water, Hydrophilic materials, and quantum dots we have reached out to a leading scientist in structured water or EZ water so far and a material science company focused on materials science called advancedmaterialsus to further develop this innovation.