

CONNECTION

MODULAR
INFRASTRUCTURE
SYSTEMS



Our mission is to prevent catastrophic point of failure in critical infrastructure through decentralization whilst improving infrastructure access to remote and developing communities.





ABOUT US

Conexxion is a Melbourne-based, Australian company that specializes in providing solutions for alternative fuels, clean energy and life sustaining resources. By using a modular infrastructure ecosystem, our aim is to disrupt the conventional model of urban planning and improve the overall system design to withstand the increasing adverse effects of climate change and realize our vision of providing self-sustainable living solutions.

The name Conexxion pays homage to the word "Conex", which was the original name given to the modern shipping container. Our modules are built as a "Conex" and are the fundamental building blocks to our concept of a connected sustainable eco-system.

OUR FOUNDERS

Conexxion's founders originate from a company providing modular traditional fuel stations. Our expertise is built from our experience and knowledge in modular self-contained systems.

JOEL TAY

BEng (Mech)(Hons), MBA
Director - Strategy & Management

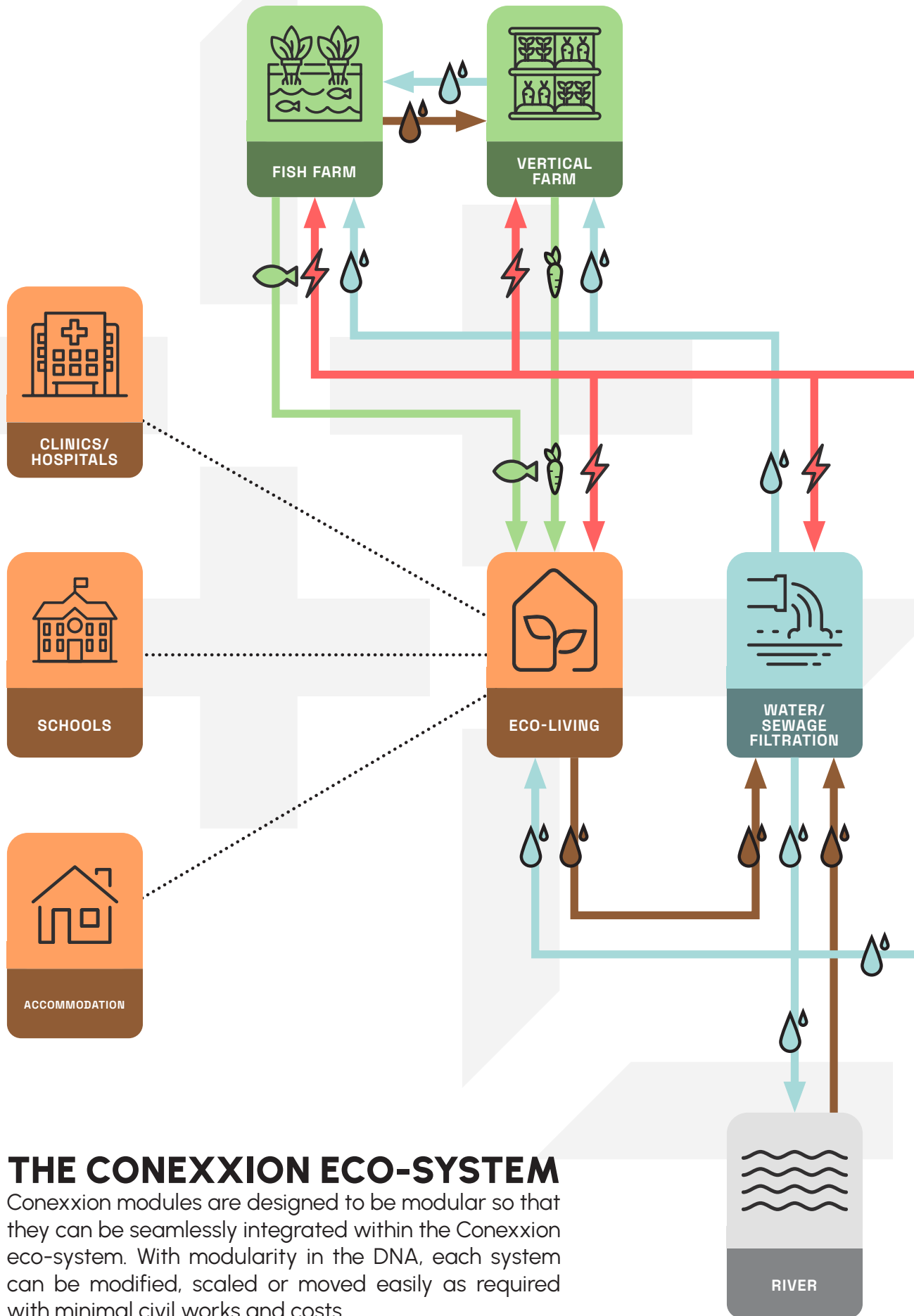
WEI-CHI LEE

BSc (Mech Eng)(Hons) MSc (Mech Eng)(Hons)
Director - Operations & Projects

BENJAMIN LAM

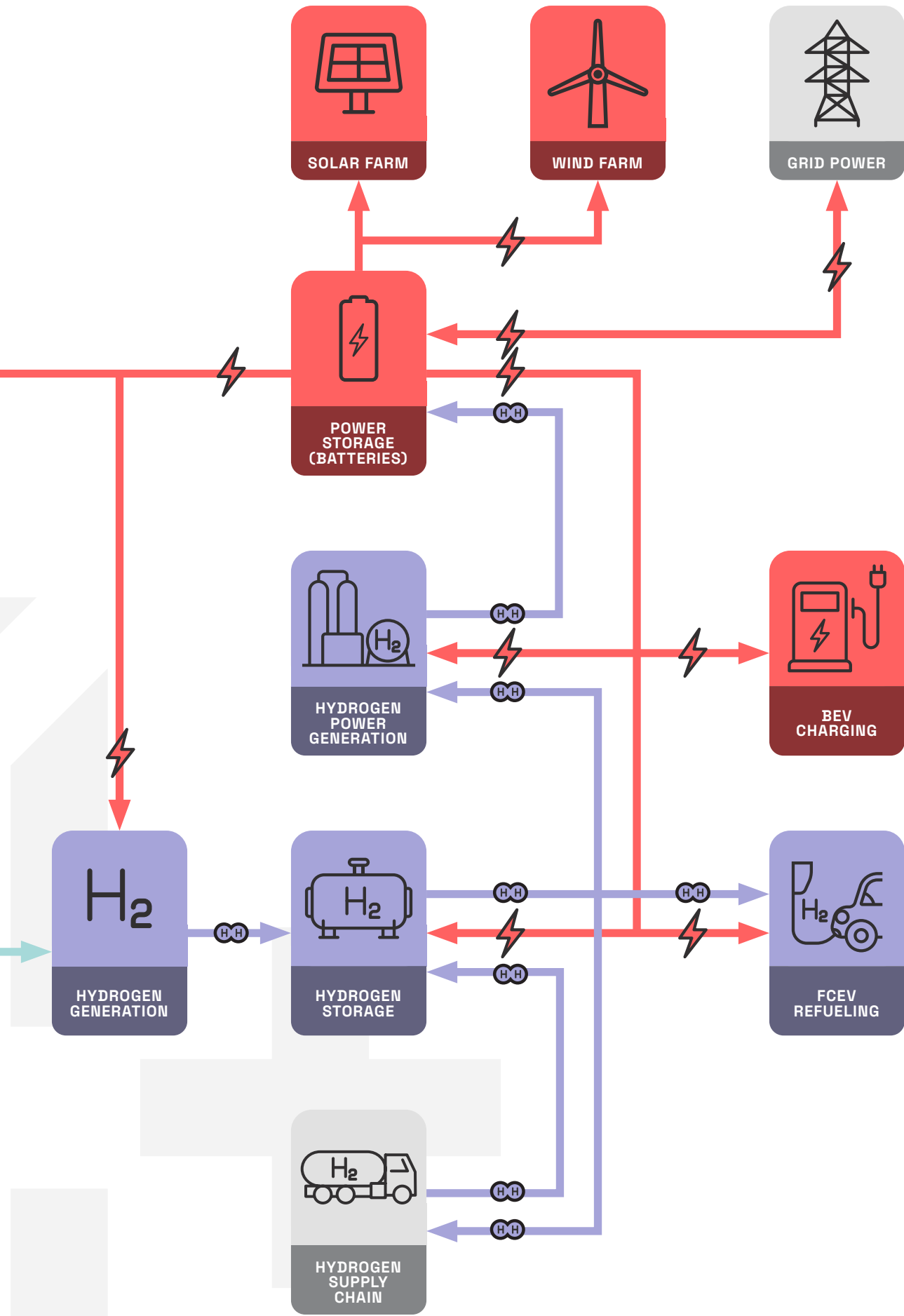
BEng (Mech)(Hons)
Director - Engineering & Technical





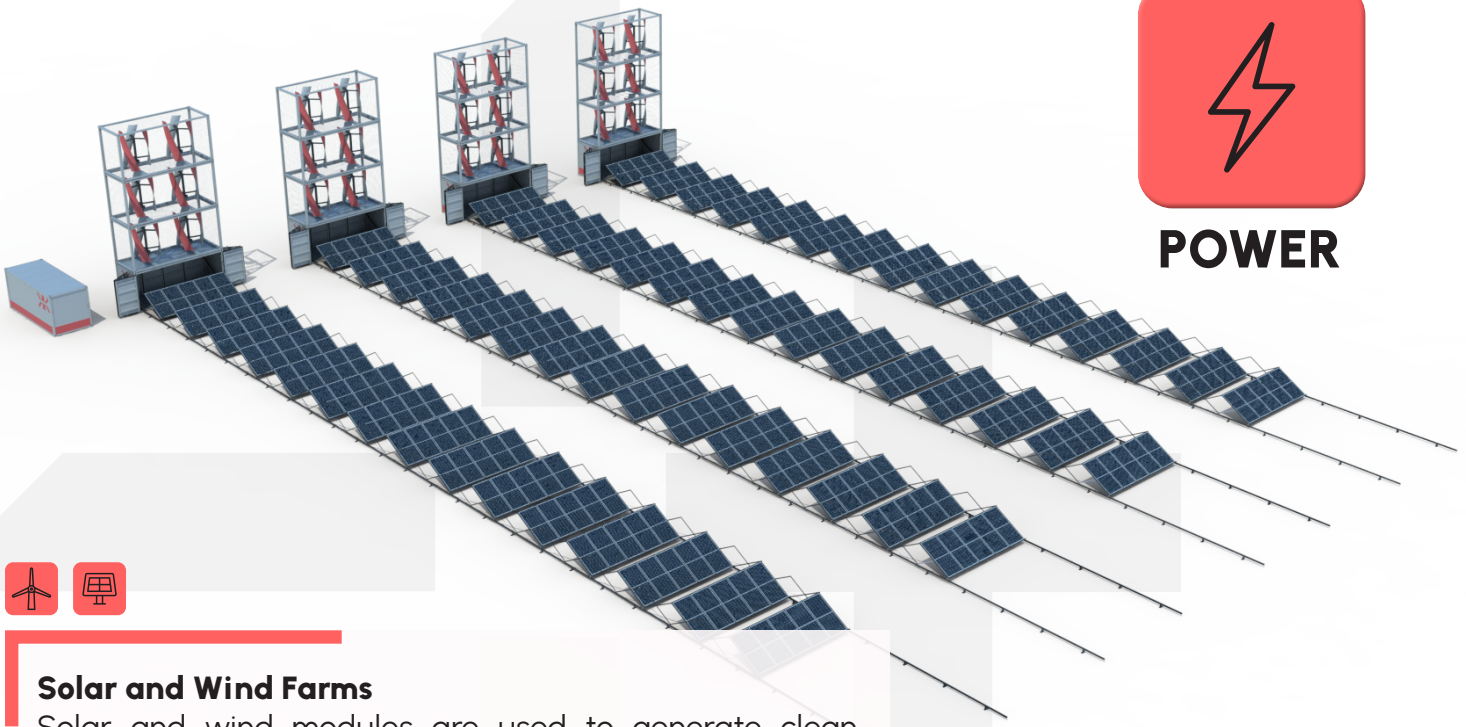
THE CONEXXION ECO-SYSTEM

Conexxion modules are designed to be modular so that they can be seamlessly integrated within the Conexxion eco-system. With modularity in the DNA, each system can be modified, scaled or moved easily as required with minimal civil works and costs.





POWER



Solar and Wind Farms

Solar and wind modules are used to generate clean electricity. Like all of the other Conexxion Modules, they are transportable as standard shipping containers and can be deployed quickly with minimal civil works. By combining multiple modules together a simple solar and/or wind farm can be created. The power generated from these units can be used immediately or stored in battery modules.



BEV Charging Station

This EV charging stations for battery electric vehicles can be run directly from power generated by the solar, wind or hydrogen power generation modules, or from stored energy in batteries and the grid.



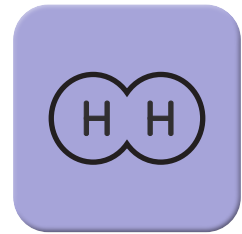
Battery Storage

Battery modules can be linked to any Conexxion power generation module to store energy for later usage and provide off-grid power to any other Conexxion module. This unit can also be connected to the grid and provide back up power during blackouts. Smaller units can be used to power a wide range of infrastructure such as lighting, electric scooter, charging points, signage, security cameras, etc.





H₂



HYDROGEN

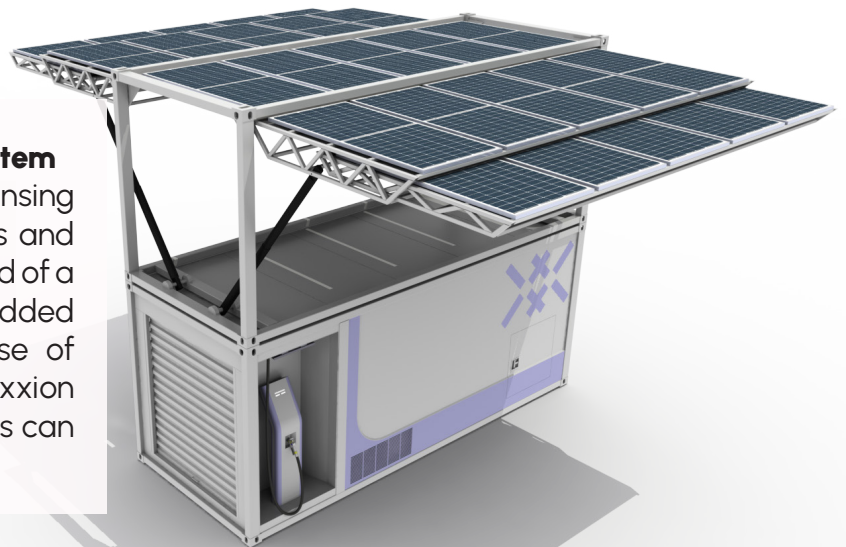
Hydrogen Electrolysis Unit

This module is used for the creation of hydrogen and is perfect in areas where tanker delivery of liquid hydrogen is challenging and stored bodies of water is available.



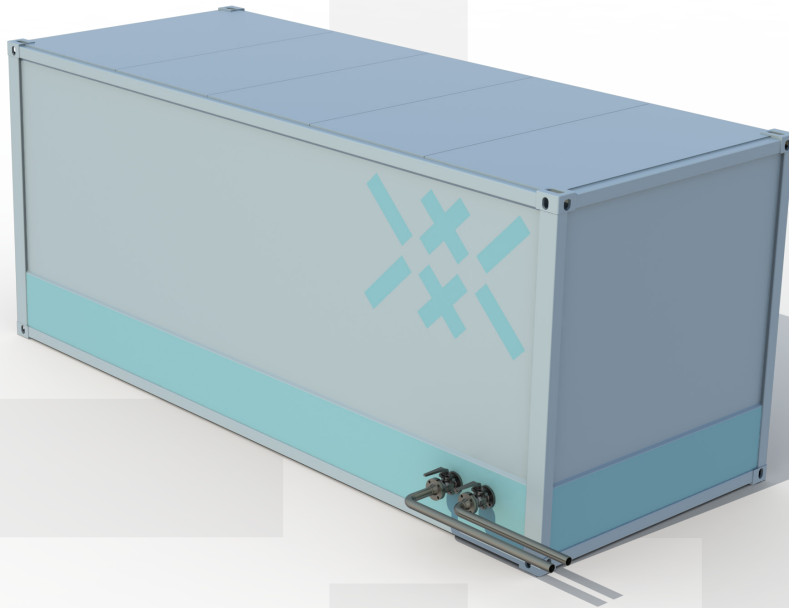
Hydrogen Storage and Dispensing System

The modular hydrogen storage and dispensing systems is a refueling module for FCEVs and provides all of the same services expected of a traditional service station, but with the added benefit of mobility, scalability and ease of installation. When combined with a Conexxion solar canopy or hydrogen generator, this can be operated fully off-grid.





WATER



Water Regeneration

Water regeneration modules can convert sewage, gray, untreated or contaminated water into clean raw water for agricultural and industrial use, or safely flushed back into the environment. This can be fully off-grid when combined with Conexxion's power modules. During emergencies or accidental contamination situations, water regeneration modules can be deployed quickly to treat water for disaster relief.



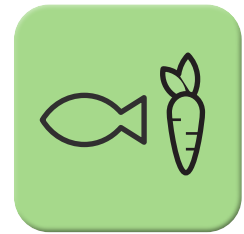


Agriculture and Aquaculture

Agriculture and aquaculture modules are perfect for farming situations where land and space is scarce or the climate is not suitable. Modular sizing and multiple combination options allow for highly customizable farming needs.

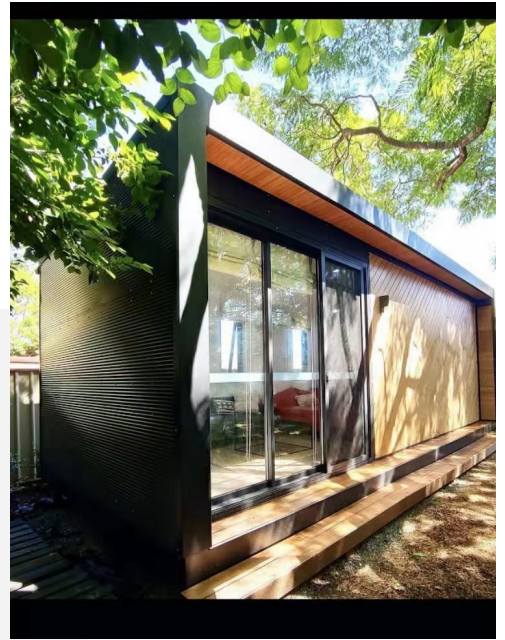
Vertically arranged growing platforms in the vertical farming modules allow more crops to be grown over a smaller footprint within a climate controlled environment. There is also the added bonus of having protection against pest and the reduction in wasted resources such as water and fertilizer.

Aquaculture tanks can be used to rear edible fish stocks or other seafood such as lobsters, prawns and oysters without the need for ponds or netting off large areas of natural water ways. They also offer protection to the stock during severe weather events.



ECO-FARMING





EDen

Conexxion's Eco-Den (EDen) aims to provide the world with clean and sustainable living and recreational solutions.

10, 20 and 40-foot modules can be combined as a single or multi-level living spaces or stand alone backyard units such as gyms, offices and pools.





ECO-LIVING



Eco-Resorts

Modular sizing with multiple combination options and vertical stacking allows for highly customizable configurations for resort rooms. With minimal civil works, the land and surrounding environment is better preserved during installation.





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