Mosaic
a spectrum of hospitality
The Mosaic PATHWAY system provides the ultimate OpenSource hospitality solution for multiple environments and locations. PATHWAY (Portable Adaptable Temporary Hotel With Alternative You-ses) allows governments, developers, entrepreneurs, hoteliers, private organizations, and charitable aid societies the opportunity to create, design, develop and implement amazing new hospitality, vacation, housing, emergency shelter and support structures that are functional, beautiful, simple and adaptable to numerous situations in almost any geography.

The organic, geometric-shaped Prisms of the PATHWAY system are collapsible for ease in transportation, are pre-fitted with built-in fixtures and furnishings, and come with self-contained energy, plumbing and lighting systems and self-leveling foundations.

Extremely innovative, Mosaic provides a flexible and sustainable solution for myriad situations.
Prisms are based on a modular assembly system constructed from a highly durable, scratch and stain resistant polymer based on 95% recycled materials. Since the entire system is based on the PATHWAY system, the standard structure, mechanical systems and enclosing skin can be shipped from manufacturers locally or around the world, depending on the location of the drop zone and application. The structure of the Prism retracts and folds to a more rectilinear shape which is easily stackable and packs tighter for ease of shipment. Contained within this folded structure are most all of the interior furnishings. All of the internal elements unpack with the structure as it is unfolded and they are popped into position as the structure is secured and locked into place. The interior furniture then opens out of the walls of the Prism for seemingly instant installation and effortless comfort.

1. Prisms are stored, shipped and moved into place in their contracted, secured configuration.
2. Once in place, unfold the primary wall panel until it locks into place.
3. Unfold the secondary wall panel and lock into place. Place and lock the wall and roof gussets.
4. Drop the secondary floor panel (including sub mechanical system) into place.

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Based on the PATHWAY framework and built on a few basic core elements, infinite possibilities exist in either private or commercial application. From basic need to high-end luxury experiences, core elements and prisms can be custom appointed and configured to most any level of need or desire. Operational branding of complete solutions or participation in the accessory marketplace provide opportunity at many levels.

The homebase|lobby Hub can be configured to serve as a highly efficient processing center or comfortable hotel lobby depending on the application. The homebase Hub consists of an office, reception and waiting area and can be expanded to address larger applications by appending additional seating area prisms.

The medical|spa Hub consists of tranquil treatment room prisms surrounding a central core of reception, spa retail and staff preparation rooms. Alternatively, the same basic prisms can be used to create a medical hub including basic functions such as a reception desk, medical pharmacy, sterilization center and treatment room, while additional treatment rooms can be added as necessary. Treatment rooms include exam table, sink and health monitors.

Basic market|retail Hub revolves around a highly efficient retail core made up of storage, processing and staff preparation entities and can be surrounded by any number of “display” prisms depending on volume. Additionally, these elements can be outfitted as basic need or high end experiences, but are built from the same framework.

Being responsive to the many possible applications for classroom settings, the daycare|education Hub provides storage, technology infrastructure, small office and small classroom elements to which additional classrooms can be added. And, as with all of the PATHWAY based Prisms, can be appointed from very basic to very high-end.

Kitchen & dining Hub elements include basic functionality including food storage, prep and serving. These elements can be outfitted for either simple, high volume purposes or as elegant, low volume fine dining elements, depending on the project or situation. Additional dining prisms can be appended in an infinite number of configurations to facilitate both the number of potential guests and/or the quality of the experience.

With a focus on infrastructure, this Hub addresses the needs of group communications. Whether serving as highly active “communication center” or as a central meeting place, the Info & Call Center/Meeting Place contains a communications technology closet, a small office and a small meeting room or call center. Additional Prisms can be added to expand call center capacity or high-end meeting space.

The infrastructure Hub is the sustainable fuel engine which provides the infrastructure platform for each of the individual prisms. The system is scale-able so it can provide small scale production for a boutique resort or special event, it can be packed up for quick distribution in a disaster relief setting, or it can be expanded and incorporated into the city-wide grid to provide supplemental infrastructure for community wide needs.
The system incorporates bioengineering technology including: a methane digestor, geothermal heating and cooling, hydroponic greenhouses, rainwater cistern, wind and solar power, UV purification / filter, and a reverse osmosis plant for fresh-water generation.

Wind and sunlight are fed to the wind generators and solar panels which generate electrical energy and send it to the Battery Storage. The Battery Storage provides day-to-day energy needs, in addition to functioning as an emergency battery back-up in the event of power loss.

The roof structures of each of the Prisms collect rainwater where it is piped to the Storage Cistern and incorporated into the fresh water supply.

The Hydroponics Green Houses not only provide fresh produce, but also assist in waste water treatment.

The Reverse Osmosis Plant utilizes sea water to extract fresh water, both of these water supplies are treated and filtered by the UV Purification Unit. A Geothermal Heat Pump is utilized to heat and cool the water. In addition, the Geothermal Heat Pump can function as a heat exchanger to assist in the HVAC Heating / Cooling System.

The Waste Processing Center separates solid and liquid wastes where the fats, proteins, and carbohydrates are sent to the Methane Digestor. The Methane Digestor incorporates a biological breakdown of organic material to produce Carbon Dioxide (CO2) and Methane (CH4), a raw form of Biogas. The Biogas is then filtered and sent to the Methane Storage facility where it can be distributed for heating and cooling.
Individual prisms are outfitted with all the necessities for temporary shelter including sleeping area, kitchenette, and bathroom.

Self-contained, facilities don’t depend on local resources and in some instances can be configured to contribute to the local community.
Prisms and Hubs are easily adaptable to geographical and topographical conditions. The PATHWAY system is completely self-contained and also generate resources for the community.

Destination villages can be configured to accommodate adventure travel and voluntourism. The villages can then be repurposed as local community housing and healthcare facilities.

Family units are comprised of three prisms that provide two bedrooms, two bathrooms and a living space.
Prisms are collapsible, easy to transport (including airlift) and self-sufficient. This flexibility will facilitate and promote tourism to the most remote regions of the world.

The efficient design of the prisms and hubs resolve infrastructure requirements and minimize environmental impact.

Foundation systems can be altered to the most effective location (land, water or ice).

The geometric-shaped prisms can be configured organically, accommodating unique site conditions and demand requirements.

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Hotel partners can capitalize on Mosaic to expand and contract properties based on demand.
The duality of the wellness prism can be implemented as a medical facility or as a luxurious spa.

Medical equipment is pre-wired and connected to the treatment table functions effectively for both medical patients and spa guests.

Double vanity sinks are versatile for both medical and spa scenarios, for medical professional or therapist, patient or guest.

A soaking tub is recessed into the Prism floor.

The duality of the wellness Prism can be implemented as a medical facility or as a luxurious spa.

[ medical | spa prism ]
when used for fine dining purposes, the distribution area becomes a bar and lounge where guests can enjoy a drink while they wait for their table. The bar back can multifunction as storage in an emergency scenario, or an elegant liquor display in a fine dining setting. The dining buffet folds out from the wall when needed for efficient food distribution.