It is my belief that architecture should have a real social commitment and that the built environment has the power to alter social patterns and empower people. Thus, as architects, it is upon us to take social phenomena into account. Therefore, it is appropriate to investigate the potential of a dual approach: the effect generated on social level and the interaction with the natural environment.

I looked at the idea of using Newton’s prism geometry to reflect light in two directions from the planes of the structure, making it highly visible. The prism shape also creates a strong architectural identity for the island.

The lighthouse holds a blow-hole wave energy conversion system for electricity generation. The system provides the most economical way to generate power in the area. The system is located in the natural geological formation. The lighthouse at the base of the structure transfers generated power from the structure to the atmosphere through a series of valves. These valves control the energy flow from the system. The energy generated is transferred to a generator plant further into the island.

The building is accessible via a stairway from the road above and is free for the public. As you walk down onto the viewing platform, a 180-degree view of the sea opens up. The large viewing deck is ideal for social events such as parties, concerts, and performances. There are two more levels, one above and one below the main deck. The top level is reachable by a stairs that leads onto a helicopter pad, necessary for the landing of rescue helicopters. The level below allows access to the energy conversion turbine for maintenance.

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