The convection power of water allows BATTERY REEF to maximize energy storage by keeping the environmental and economic costs of cooling to a minimum. The design and location of BATTERY REEF blends with ecosystem services as it invites aquatic flora and fauna to establish a healthy reef habitat. BATTERY REEF can be scaled up to meet growing demands for energy storage. Rather than consume valuable space for energy storage, BATTERY REEF cleans water, protects shorelines, and encourages diversification of plants and animals. As it grows, BATTERY REEF becomes a sustainable public park with unique opportunities to educate, entertain and generate revenue for St Kilda.