

METAHAVEN



A layered louver arrangement of interconnected solar sail shades is suspended from a central tower and connected by proprietary kinetic harvesters which convert the constant minute vibrations between each sail caused by the constant wind into small amounts of energy.

Each unit may only generate a few milliwatts, but with thousands of connectors in the overall sail matrix, an appreciable amount of energy can be harvested and stored constantly.

The layered louver design diverts precipitation to Metahaven's outer perimeter while allowing strong winds to flow through, in a biomimetic hybrid of bird feather and fish scale techniques. Underneath the sail shades, a thin, light and durable screen mesh of silverplated/nylon provides filtration of dust, mosquitoes and EMF pollution.

