Water droplets that collect on the mesh run downwards by gravity and drip into a gutter at the bottom of the net. From there, the water is channelled via pipes to an underground cistern. Seventy-eight panels line the entire length of the site. Each panel has 2,386 square feet in area and generates on average 1105L per day. The entire site can generate more than 85,000L a day. With the new vegetation proposed, the water capture can increase an additional 2-5%.*

* FogQuest: Sustainable Water Solutions, http://www.fogquest.org/f-a-q/

mesh panel design

The most optimal mesh netting is made from stainless steel filaments the size of three to four human hairs and with holes that are twice as big as the filament. The mesh is coated in a chemical that decreases water droplet's contact angle hysteria, which allows for more small droplets to form. This type of netting can capture 2-10 percent of the moisture in the air.