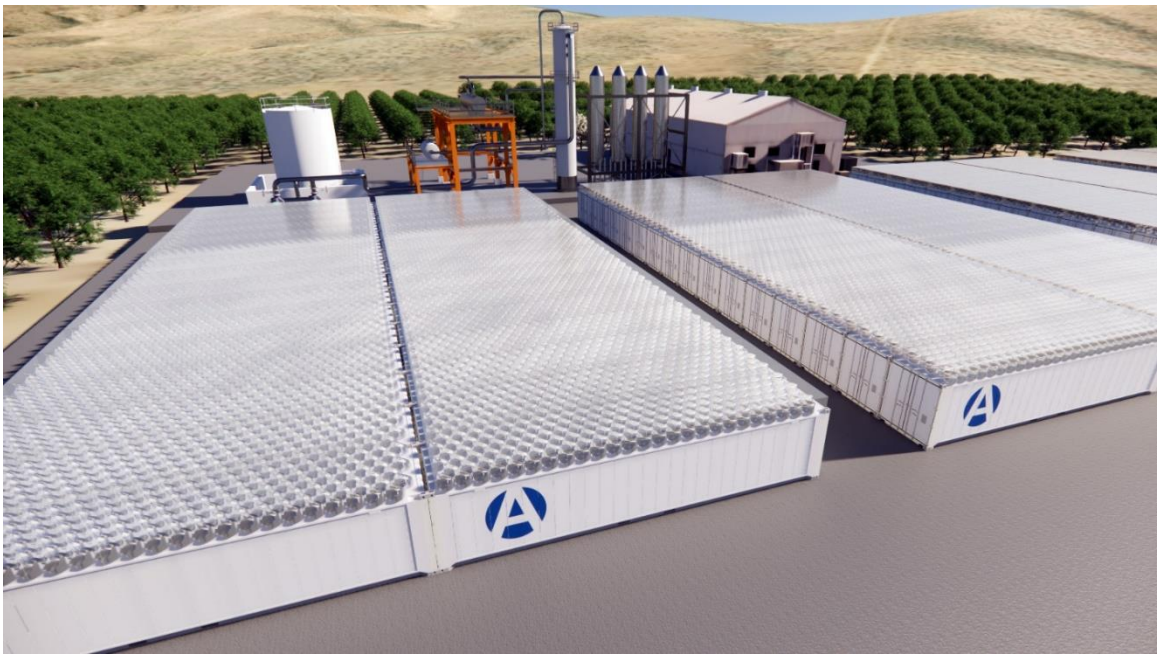
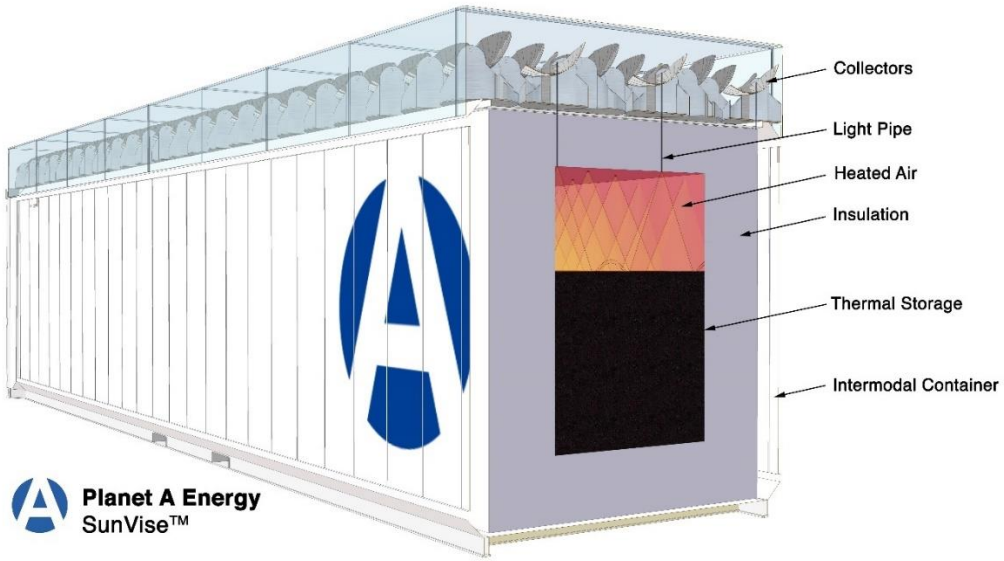
TECHNICAL ASSISTANCE REQUEST

TEAM VERDANT VALLEY

The Verdant Valley Team of Planet A Energy, Airometrix Water, Rosenblad Design Group are developing the SunVise™-powered solar desalination system shown here.



The plant uses existing technology from Rosenblad and other partners, coupled with the new SunVise solar collector shown here.



The SunVise generally is built from existing technology, but there are a number of areas where we would be interested in engineering assistance.

Civil engineering. With our large number of collector units, we have earth interface and water management tasks in every project. We seek a partner who can help us design units that are easy to deploy, and who can help us define the site preparation and installation tasks that we will use to deploy SunVise systems.

Cleaning. We would like the assistance of a company who typically cleans solar panels to provide a (preferably automated) system for cleaning the cover glass of our SunVise units. It is likely that standard PV cleaning robots can readily be adapted to cleaning SunVise units, and we would like to work out that solution.

Vacuum-insulated panels. VIPs would be an enhancing technology for our application that we are interested in integrating with our system. We are particularly interested in high-temp VIPs with, e.g. fumed silica or nanopore cores and foil skins, but any technology (glass foam or perlite cores) that works would be of interest.

Aerogel insulation There are emerging technologies for silica-based aerogels that are capable of insulating high temperatures. This would also be an enhancing technology for our application. We would be interested in hearing from entities that have this technology.

Testing and Characterization, We would be interested in the assistance of national or private laboratories who can help us to characterize the performance of our systems, including measuring solar input, heat output, thermal losses, storage temperature and heat propagation, and so on.