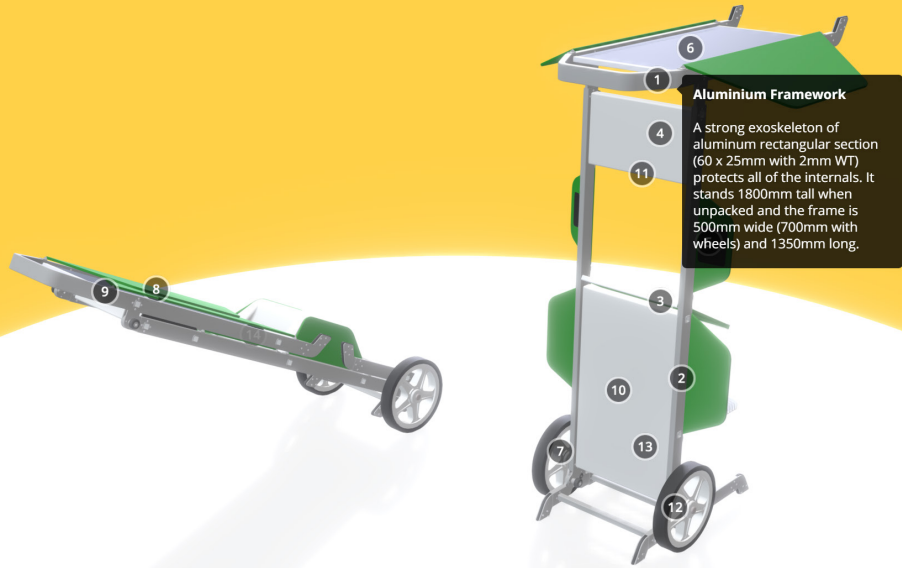




ARED SHIRIKI HUB SOLAR KIOSK

For the 3D interactive & annotated model that this document references please see: <https://skfb.ly/RDMz> and use the Password: Shiriki





Phone Storage

Storage for 30+ charging devices on grooved slide out trays (thermoformed HIPS or extruded aluminum). Charging USB ports in HDPE hinging doors.



Fold out desk

Square HDPE desk space with aluminium edging can fold into four positions (closed, angled desk, flat desk, or fold forward to sit flat against front panel).



4 PCB & Speakers

Wifi and audio are relayed from the top of the Shiriki Hub Kiosk to maximise range, from the PCB and USB powered speakers. This top cavity has excess room for updating or adding hardware inside, and only needs to be opened by maintenance personnel.



Optional customer facing tablets

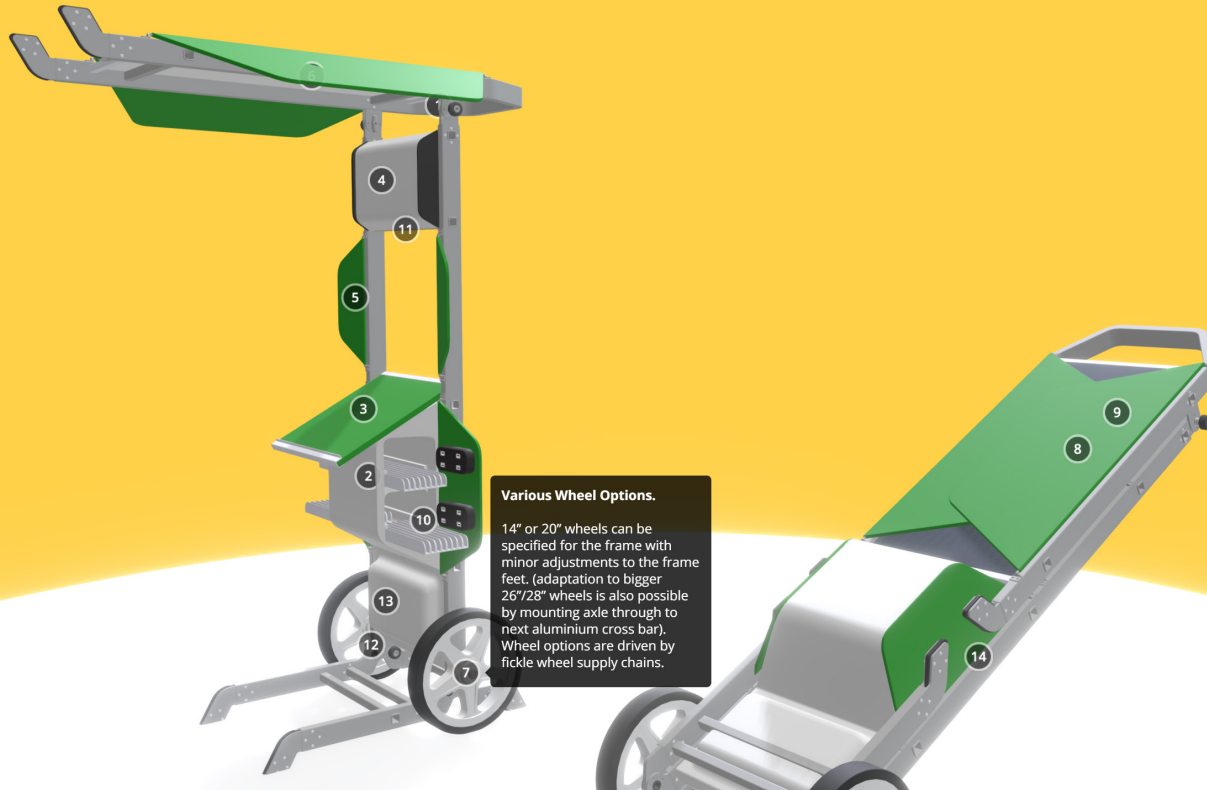
Two tablets mounted between HDPE sheet fold around to allow customers to interact with select content, or to relay advertisements etc. Potential for the option of detach-ability where appropriate (and where there is no risk of theft).



6 Nested Solar Panel

If the solar panel can be a custom fit nesting it within the frame will protect it from damage and theft. If it needs to be an off the shelf panel it can still be mounted to the top of the aluminum frame work.

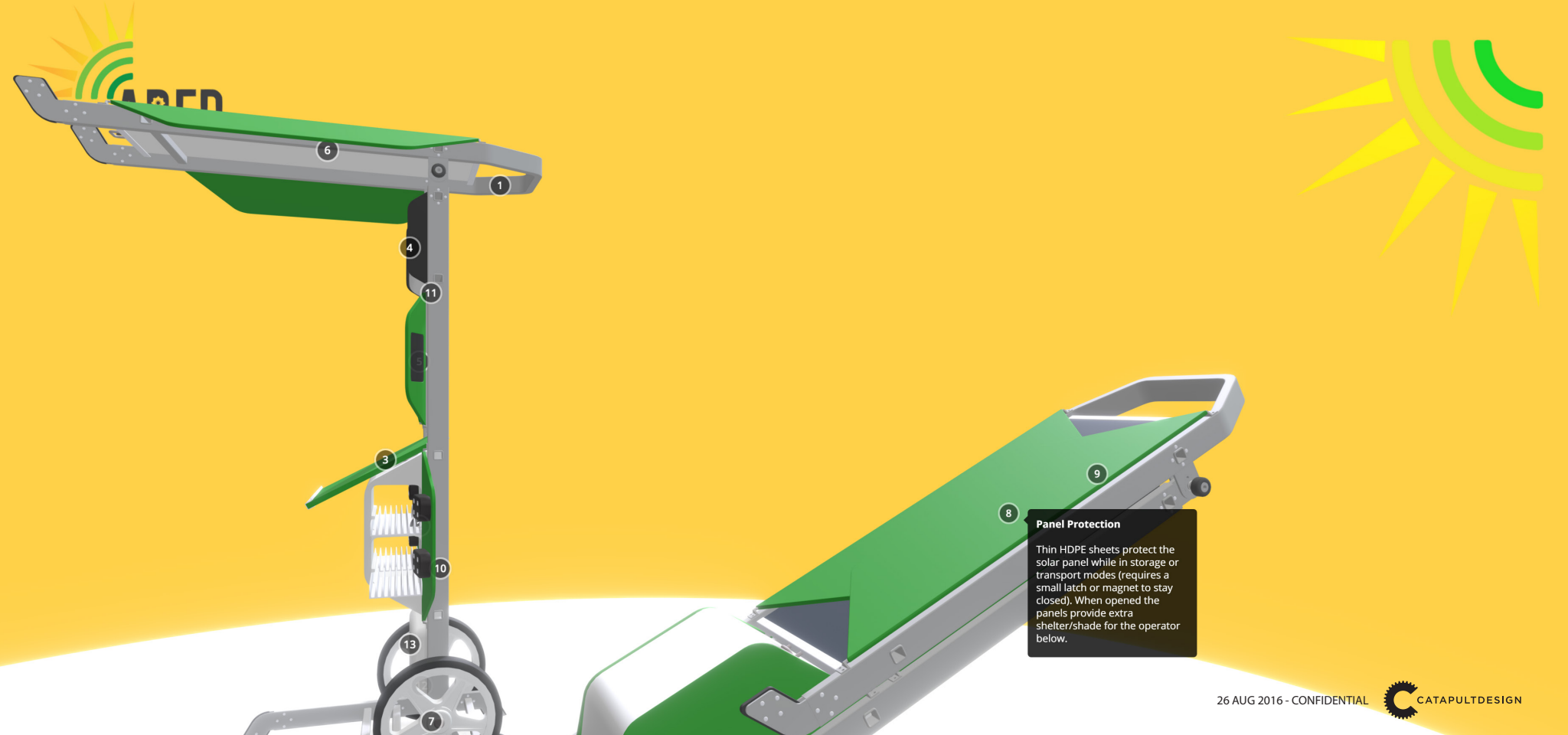




Various Wheel Options.

14" or 20" wheels can be specified for the frame with minor adjustments to the frame feet. (adaptation to bigger 26"/28" wheels is also possible by mounting axle through to next aluminium cross bar). Wheel options are driven by fickle wheel supply chains.





Panel Protection

Thin HDPE sheets protect the solar panel while in storage or transport modes (requires a small latch or magnet to stay closed). When opened the panels provide extra shelter/shade for the operator below.



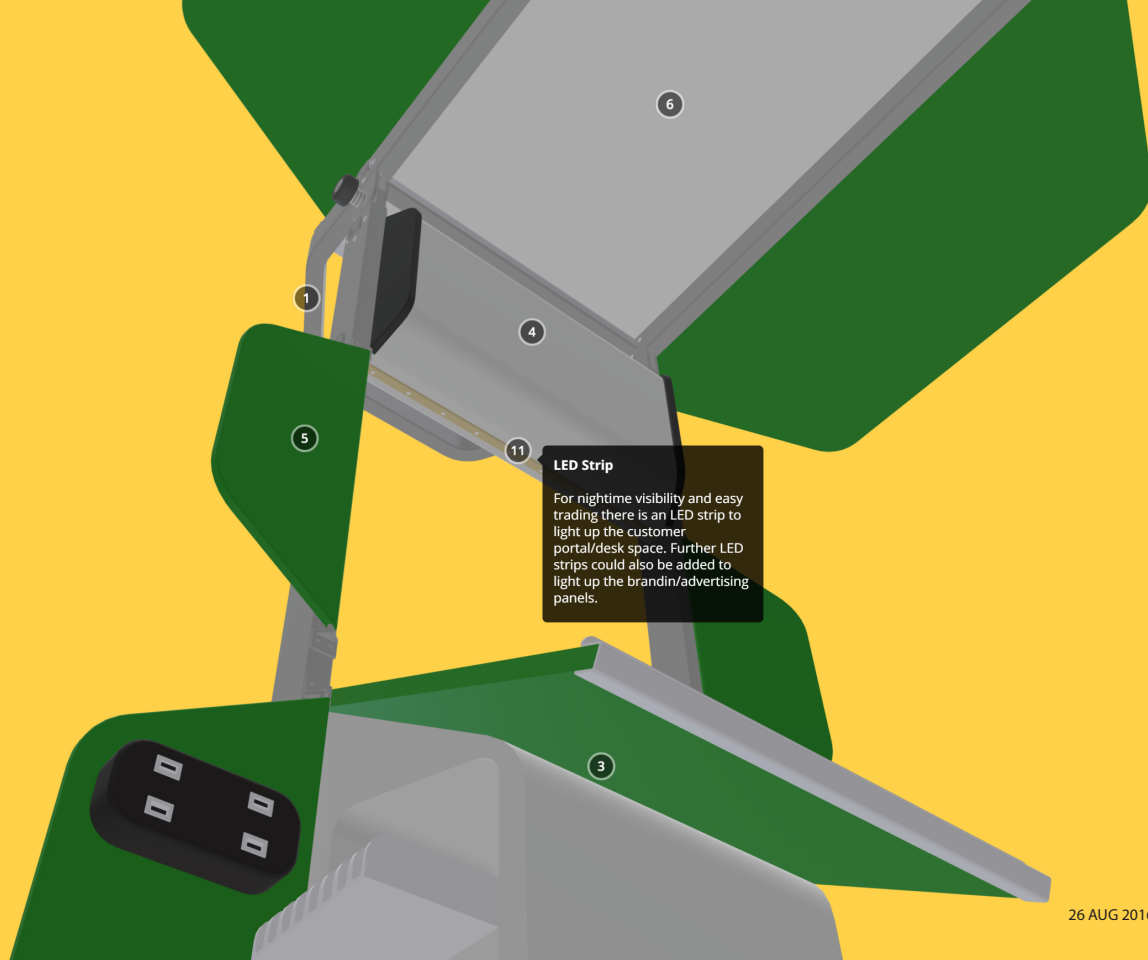
Pinned Locking Hinges

Pinned locking hinges can handle the load of the cantilevered solar panel, and the front and rear base supports. Sprung pins could be replaced with bolts if kiosk was to remain in an open mode permanently.



Advertising/Branding Space

There is a 450 x 800mm base panel and 450 x 275mm top panel for customer facing branding/advertising. The panels are (thermo-formed ABS or Acrylic) and could take vinyl cutouts, vinyl covers or separate boards could be mounted to them.



LED Strip

For nighttime visibility and easy trading there is an LED strip to light up the customer portal/desk space. Further LED strips could also be added to light up the brandin/advertising panels.



A 3D CAD model of a geared base hinge assembly. The model is rendered in a light gray color. It shows a complex mechanical structure with various components, including a large gear-like part on the left and a cylindrical component on the right. A callout box with a black background and white text is positioned over the gear-like part. The callout box contains the number '12' in a small circle, followed by the title 'Geared Base Hinges' and a paragraph of text. The background is a plain white surface.

12

Geared Base Hinges

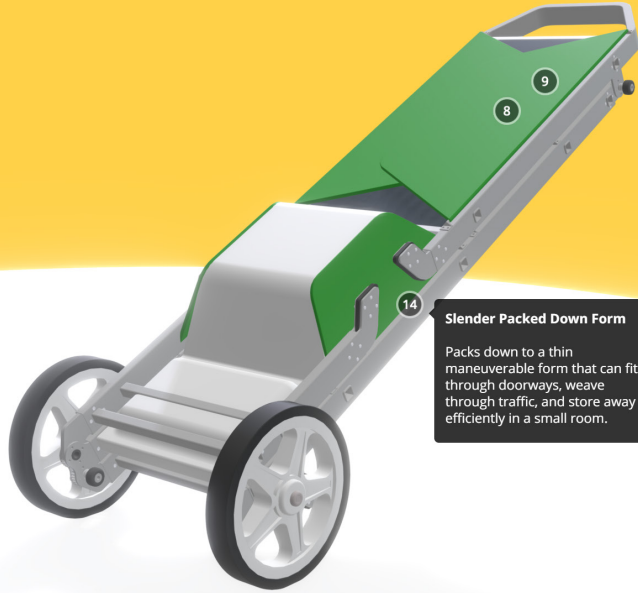
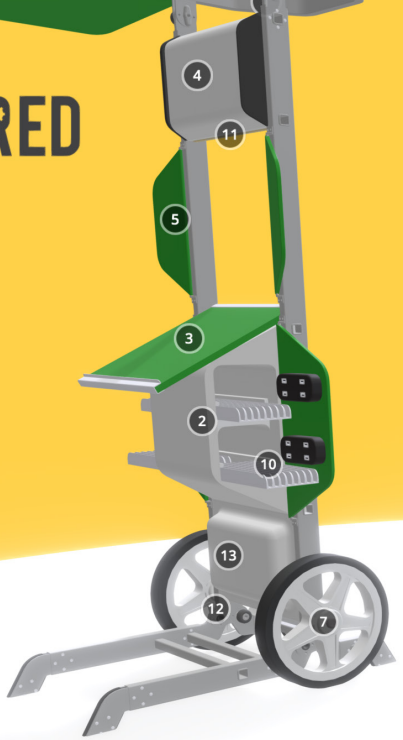
Gears on base hinges allow for both base supports to deploy, lock and retract in unison, taking one step out of the set-up/pack-down process. If set-up is permanent then the sprung pin locks can be replaced with normal bolts/nuts.



Battery Box

Lithium Battery storage is low to improve the centre of gravity, and battery terminal connections are on the top side to maximise flood resilience.





Slender Packed Down Form
Packs down to a thin maneuverable form that can fit through doorways, weave through traffic, and store away efficiently in a small room.