

Figure 1: A rear view of the novel wheelchair. Note that battery pack to rear, and the motors mounted within the track frames to free up space in the lower base. Also note the rear lights for safety.

Concept by Dr. Paul Cuffe, renderings by Mr. Robert Higgins
"A foldable, all-terrain tracked electric wheelchair"



Figure 2: A side view of the novel wheelchair. Note the foot rests to the front, to provide a bracing point for user stability. Note also the relatively low slung seat which will aid stability in offroad environments.

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Figure 3: A front view of the novel wheelchair. Note that the youthful and 'aggressive' styling, and front-facing headlights. This view shows the raised front tracks, which allows bumps and curbcuts to be traversed.

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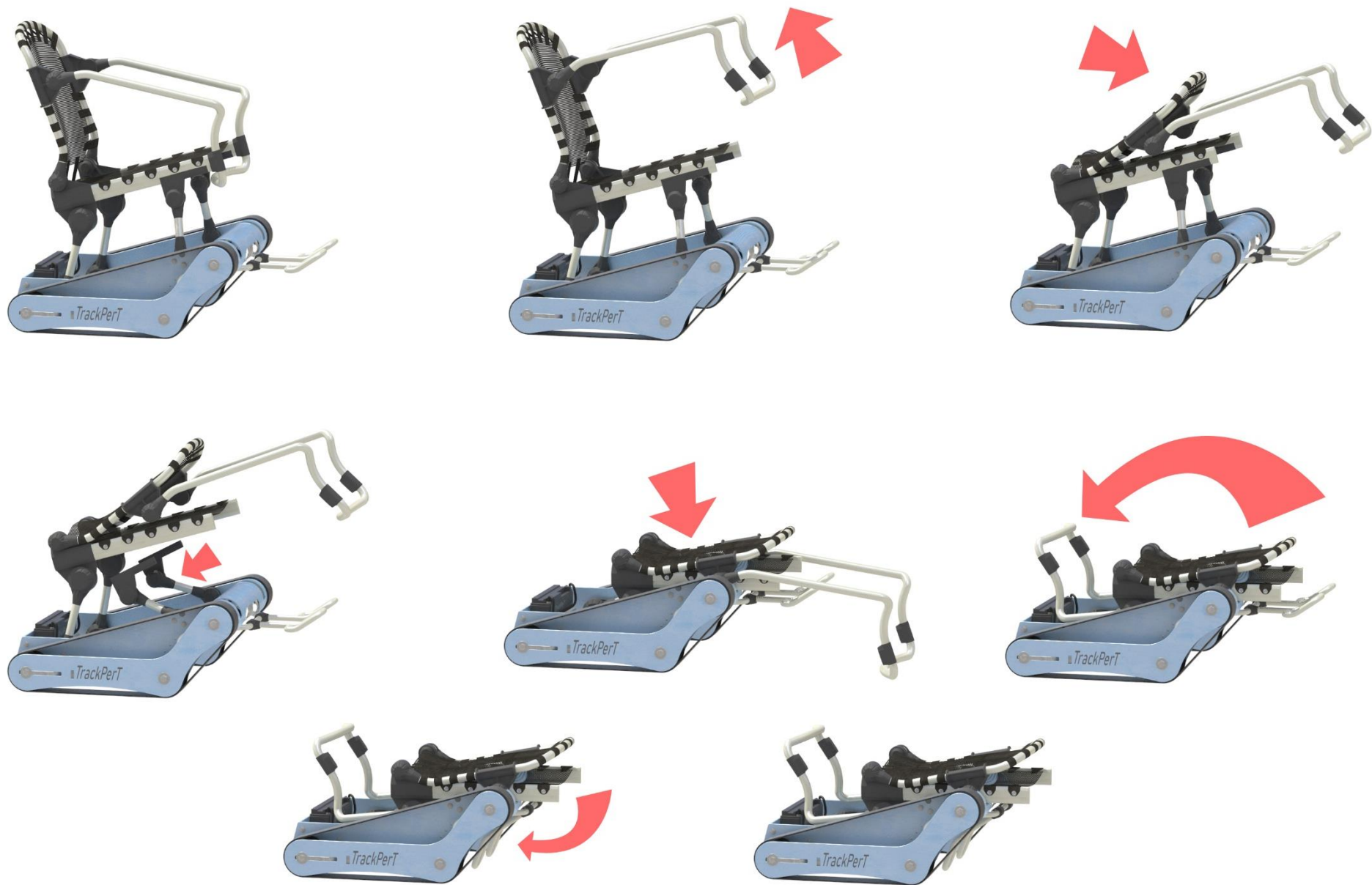


Figure 4: A sequential tableau showing how the wheelchair folds down into its own footprint. This exploits the free space between the frames that holds the tracks at either side. The folded-up wheelchair has a form-factor and weight comparable to a briefcase. The use of articulated steel tubing to form the chair superstructure allows this rapidly collapsible functionality.

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