

Future of Lightweighting Entry



Spira Co. Spira4u EV

Spira4u is building prototype delivery vans and SUV vehicles that are 5 times lighter than similar vehicles. Electric delivery vans with roof solar cells do not need to plug in for normal deliveries. Batteries will store the solar electricity for 100 to 200 miles of range or you could plug it in to charge or supply power to the grid. In addition to this, foam protection is needed now on all autonomous vehicles to increase pedestrian safety.

Spira4u has created a concept that will cut vehicle 2 passenger 4-wheel weight to less than 800 pounds and 6 passenger vehicles to 1000 pounds by using foam for the body and a new recyclable honeycomb composite for the Chassis. This new design will Reduce crash g loads by a factor of 10 and increase fuel mileage by a factor of 3 to 10.

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