

What is claimed is:

1. A data transfer and charging station for a vehicle, comprising:
a frame with a roof;
a pedestal positioned under the roof;
a charger for transferring electricity from an electrical supply to a vehicle; and
a data transfer system to connect the vehicle to a network, wherein the charger and the data transfer system are associated with the pedestal.
2. The data transfer and charging station of claim 1, wherein the data transfer system includes a fiber optic cable with an optical connector to connect to a data port of the vehicle.
3. The data transfer and charging station of claim 2, wherein the fiber optic cable is retained by a reel positioned within a compartment of the pedestal.
4. The data transfer and charging station of claim 2, wherein the optical connector is associated with a plug of the charger.
5. The data transfer and charging station of claim 2, wherein the data transfer system further comprises:
an uninterruptible power supply;
a network interface device to connect the data transfer system to the network; and
a fiber distribution panel to connect the network interface device to the optical connector.
6. The data transfer and charging station of claim 1, wherein the charger includes a cable extending from the pedestal, the cable including a plug to connect to a receptacle of the vehicle.
7. The data transfer and charging station of claim 6, wherein the cable includes a fiber optic cable associated with the data transfer system, wherein the plug includes an optical connector to connect the vehicle to the network.

8. The data transfer and charging station of claim 6, wherein the plug is positioned on an arm to automatically connect the plug to the vehicle receptacle.

9. The data transfer and charging station of claim 1, wherein the roof includes a landing pad for an unmanned aerial vehicle.

10. The data transfer and charging station of claim 9, wherein the landing pad can transfer electricity from the electrical supply to the unmanned aerial vehicle.

11. The data transfer and charging station of claim 10, wherein the landing pad can connect the unmanned aerial vehicle to the network and transfer data to and from the unmanned aerial vehicle.

12. The data transfer and charging station of claim 1, wherein the roof includes a solar panel to convert sunlight into DC power, the solar panel connected to the charger and the electrical supply.

13. A method of connecting a vehicle to a network and transferring electricity to the vehicle, comprising:
positioning the vehicle proximate to a pedestal of a data transfer and charging station;
connecting a plug of a charger to a receptacle of the vehicle, the charger connected to a source of electricity; and
connecting an optical connector of a data transfer system to a data port of the vehicle, the data transfer system connected to the network, wherein the charger and the data transfer system are associated with the pedestal.

14. The method of claim 13, wherein the optical connector is associated with a fiber optic cable retained by a reel positioned in the pedestal.

15. The method of claim 13, wherein the plug of the charger includes the optical connector.

16. The method of claim 13, wherein connecting the plug of the charger to the receptacle of the vehicle further includes:

determining a position of the receptacle of the vehicle;
moving an arm of the data transfer and charging station proximate to the vehicle,
wherein the arm includes the plug of the charger; and
automatically connecting the plug to the receptacle.

17. The method of claim 13, further comprising:
transferring a delivery route to the vehicle.

18. An integrated data transfer and charging station for a vehicle, comprising:
a pedestal positioned within a structure;
a charger for transferring electricity from an electrical supply to a vehicle; and
an optical data transfer system to connect the vehicle to a network, wherein the
charger and the data transfer system are associated with the pedestal.

19. The integrated data transfer and charging station of claim 18, wherein
electricity for the electrical supply and optical fiber to connect the vehicle to the network are
provided within a single cable or in two different cables.

20. The integrated data transfer and charging station of claim 18, further
comprising one or more of a media converter, a network switch, a router, a modem, an access
point, a transceiver, a Wi-Fi router and a wireless router.