CLAIMS –

What is claimed is:

1. A drone dock and delivery box with an expanding/accordion floor for accepting a group of multiple drone deliveries of a goods/parcel to a person requesting a delivery, the drone dock comprising:

(a) an enclosed drone docking station structure having at least one side and side surface, at least one end and end surface, a bottom and bottom surface, and a container opening for receiving goods or parcels from a drone, the enclosed structure further including an expanding section formed as an accordion-type, raisable and lowerable floor disposed within the structure and configured to increase internal storage volume to accommodate multiple parcels, the raisable floor being operatively connected to a motor for selectively raising and lowering the floor via a drive means selected from a chain, cable, belt, or equivalent mechanical transmission and engaged with at least one pulley or sprocket, the raisable floor being supported and guided at a driven end by a first support means and at an opposite end by a second support means, each support means comprising an enclosed channel, angle, castors, or equivalent guiding structure, the structure further defining a clearance for a closeable and openable sliding door, the sliding door being motorized, movable across the clearance, the sliding door being operatively coupled to a door motor, and a control console operatively connected to the motor, and the door motor, for operating the raisable floor and the sliding door;

(b) a means for locating the drone dock with GPS and then for permitting the drone to accurately approach and to dock with the drone dock;
(c) a means of engaging the drone such that a stable connection/attachment can be made;
(d) a means of transferring each of the goods/parcels from the drone to an interior of the structure of the drone dock;
(e) a means of preserving the predetermined temperature with a powered hot/cold plate and temperature assist and control unit;
(f) a means for securely storing the goods/parcels once to the interior of the structure of the drone dock, wherein the means for securely storing the goods/parcels once transferred to the interior of the structure of the drone dock is selected from the group consisting of a facial recognition camera, and a fingerprint activated release system;
(g) a means of disengaging/releasing the drone from the drone dock;
(h) a means of encrypted communication between the drone and the drone dock which has a specific GPS address and communication to the person requesting the delivery of the goods/parcel; wherein the goods/parcel that is delivered to the person requesting can be tracked and delivered.

2. The drone dock and delivery box with an expanding/ accordion floor in claim 1, wherein the means for locating the drone dock with GPS and then for permitting the drone to accurately approach and to dock with the drone dock is selected from a group consisting of cold beam technology,

laser beam, radar, lidar, Quick Response (QR) code tags, and radio frequency identification (RFID).

3. The drone dock and delivery box with an expanding/accordion floor in claim 1, wherein the means of encrypted communication between the drone and the drone dock is selected from the group consisting of Wi-Fi, Bluetooth, hot spot, and satellite systems and wherein the drone dock has encrypted communication and tracking of a driverless vehicles, a robots, and vendors that interact with the drone dock and wherein the drone dock can track and interface with an aerial drone, a commercial carrier, a driverless car, an unmanned aerial vehicle (UAV) and a robot.

4. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a charging station for drone batteries, an exchange mechanism for a drone battery, a charging station for a cellular telephone, a charging station for an electric scooter, a charging station for an electric bike and a charging station for an electric vehicle.

5. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a collector to identify explosive material, biohazards, illegal drugs, and anthrax.

6. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes an ultraviolet scan system to eradicate disease, virus and harmful materials.

7. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a weather monitoring system.

8. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a paint/tag and track component to track vehicles and packages.

9. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a camera with facial recognition software to track humans and pets.

10. The drone dock and delivery box with an expanding/accordion floor in claim 1, includes a set of LED lights that are colored and can strobe flash and wherein the LED lights can alert emergency vehicles and first responders.