CLAIMS:

1. A transport container for multiple stages of a distribution chain comprising:

a power source providing electrical power to the transport container;

an ethylene injection unit configured to store and inject ethylene into the transport container; and

a controller in operative communication with the power source and the ethylene injection unit, wherein the controller is configured to command the ethylene injection unit to inject ethylene into the transport container along the multiple stages of the distribution chain,

wherein the multiple stages of the distribution chain comprise: harvest, transportation to distribution center, distribution center, transportation to store, and store display.

2. The transport container of claim 1, further comprising:

at least one sensor in operative communication with the controller, wherein the at least one sensor is configured to sense at least one environmental condition within the transport container and communicate the at least one environmental condition to the controller.

3. The transport container of claim 2, further comprising:

a communication module in operative communication with the controller and wireless operative communication with a remote controller, wherein the communication module is configured to transmit the at least one environmental condition to the remote controller.

4. The transport container of claim 3, wherein:

the communication module is configured to receive at least one remote command from the remote controller and transmit the at least one remote command to the controller.

5. The transport container of claim 4, wherein:

the transport container is composed of an insulating material.

6. The transport container of claim 5, further comprising:

a carbon dioxide scrubber configured to remove carbon dioxide from the transport container.

7. The transport container as in claim 5 or 6, wherein:

a portion of the transport container is transparent.

8. The transport container of claim 7, further comprising:

an environmental control unit configured to produce and distribute conditioned air throughout the transport container.

9. The transport container of claim 8, wherein:

the power source comprises one or more of a battery, a solar cell, and a gas powered generator.

10. A method of operating a transport container across multiple stages of a distribution chain, the method comprising:

electrically powering, using a power source internal to the transport container, a plurality of components of the transport container;

injecting, using an ethylene injection unit, ethylene in the transport container;

controlling, using a controller, a plurality of components of the transport container, wherein controlling comprises operating the power source and the ethylene injection unit; and

adjusting, using the controller, the operation of the ethylene injection unit along the multiple stages of the distribution chain,

wherein the multiple stages of the distribution chain comprise: harvest, transportation to distribution center, distribution center, transportation to store, and store display.

11. The method of claim 10, further comprising:

monitoring, using at least one sensor, at least one environmental condition within the transportation container; and

communicating the at least one environmental condition to the controller.

12. The method of claim 11, further comprising:

wirelessly transmitting, using a communication module in operative communication with the controller, the at least one environmental condition to a remote controller.

13. The method of claim 12, further comprising:

receiving, using the communication module, at least one remote command from the remote controller; and

transmitting the at least one remote command to the controller.

14. The method of claim 13, wherein:

the transport container is composed of an insulating material.

15. The method of claim 14, further comprising:

removing, using a carbon dioxide scrubber, carbon dioxide from the transport container.

16. The method as in claim 14 or 15, wherein:

a portion of the transport container is transparent during at least one stage in the distribution chain.

17. The method of claim 16, further comprising:

producing and distributing conditioned air throughout the transport container, using an environmental control unit internal to the transport container.

18. The method of claim 17, wherein:

the power source comprises one or more of a battery, a solar cell, and a gas powered generator.