

CLAIMS:

1. A ride system for an amusement park, comprising:
an attraction tower;
a base configured to rotate about the attraction tower;
a frame coupled to the base, wherein the frame comprises a vertical column;
a mount coupled to the vertical column of the frame, wherein the mount is configured to move in a vertical direction along the vertical column of the frame; and
a ride vehicle disposed on the mount, wherein the ride vehicle is configured to carry a passenger.
2. The ride system of claim 1, comprising an arm coupling the mount to the frame, wherein the arm is configured to rotate the mount and the ride vehicle with respect to the vertical column of the frame.
3. The ride system of claim 2, comprising a ride vehicle base coupling the ride vehicle to the arm, wherein the ride vehicle base is configured to move the ride vehicle along the arm.
4. The ride system of claim 3, wherein the ride vehicle is configured to rotate, roll, pitch, and yaw about the ride vehicle base.
5. The ride system of claim 1, comprising a controller configured to activate one or more actuators, wherein the one or more actuators are configured to rotate the base, or move the ride vehicle, or a combination thereof.
6. The ride system of claim 1, comprising a projector coupled to the mount, wherein the projector is configured to project an image onto a surface of an enclosure surrounding the attraction tower.

7. The ride system of claim 1, wherein the attraction tower and the base are disposed within an enclosure.

8. The ride system of claim 1, wherein the attraction tower comprises rooms stacked vertically atop one another.

9. The ride system of claim 8, wherein the base is configured to rotate the ride vehicle around the attraction tower, wherein the mount is configured to translate along the frame, and wherein the ride vehicle is configured to move into and out of openings of the rooms.

10. The ride system of claim 9, wherein the rooms comprise animatronic figures, projections, displays, or any combination thereof.

11. The ride system of claim 1, wherein the attraction tower extends through a center of the base.

12. A method of transporting a ride vehicle in an amusement park ride, comprising:

moving the ride vehicle vertically along a frame using a motion base lift assembly;

rotating the ride vehicle around an attraction tower comprising a plurality of rooms using a base, wherein the base is configured to rotate about the attraction tower and is attached to the frame; and

extending the ride vehicle into a room of the plurality of rooms via the motion base lift assembly.

13. The method of claim 12, comprising:
withdrawing the ride vehicle from the room via the motion base lift assembly;
moving the ride vehicle vertically along the frame using the motion base lift assembly;
rotating the ride vehicle around the attraction tower via the base; and
extending the ride vehicle into another room of the plurality of rooms via the motion base lift assembly.

14. The method of claim 12, wherein moving the ride vehicle vertically along the frame and rotating the ride vehicle occur in concert.

15. The method of claim 12, comprising rotating the ride vehicle via the motion base lift assembly such that the ride vehicle faces a surface of an enclosure surrounding the attraction tower, and projecting an image onto the surface so that the image is displayed on the surface toward the ride vehicle.

16. The method of claim 12, comprising activating actuators to roll, pitch, yaw, rotate, or any combination thereof, the ride vehicle after inserting the ride vehicle into the room.

17. A ride system, comprising:
an attraction tower having a plurality of rooms positioned at different vertical locations within the attraction tower;
a base configured to rotate about the attraction tower;
a frame coupled to the base, wherein the frame comprises a vertical column;

a motion base lift assembly coupled to the frame, wherein the motion base lift assembly is configured to move in a vertical direction along the vertical column of the frame; and

a ride vehicle coupled to the motion base lift assembly, wherein the base and the motion base lift assembly are configured to rotate the ride vehicle about the attraction tower and to move the ride vehicle into and out of the plurality of rooms.

18. The ride system of claim 17, wherein the motion base lift assembly is configured to rotate the ride vehicle about the vertical column and to move the ride vehicle in a direction away from the frame.

19. The ride system of claim 17, comprising an enclosure surrounding the attraction tower, the frame, the motion base lift assembly, and the ride vehicle.

20. The ride system of claim 19, comprising a projector coupled to the motion base lift assembly, wherein the projector is configured to project an image onto a surface of the enclosure, and wherein the motion base lift assembly is configured to rotate the ride vehicle to face the surface of the enclosure such that passengers on the ride vehicle are able to view the image.