CLAIMS:

1. An apparatus for an amusement park, comprising:

a bogie system configured to move along a ride path;

a platform coupled to the bogie system, wherein the platform is centered at a guide axis and configured to rotate about the guide axis with respect to the bogie system;

a plurality of seats coupled to a surface of the platform and configured to rotate about the guide axis with the platform, wherein each seat of the plurality of seats is configured to rotate by a same degree of rotation as the platform;

a sensor configured to detect a tilt or rotation position of a respective seat with respect to the platform; and

a controller configured to receive feedback indicative of the tilt or rotation position of the respective seat from the sensor and to control the rotation of the platform about the guide axis based on the feedback from the sensor.

2. The apparatus of claim 1, wherein the platform comprises a slot, and wherein a seat of the plurality of seats is configured to move along the slot with respect to the platform.

3. The apparatus of claim 1, comprising a second sensor wherein the second sensor is configured to detect a position of the platform with respect to the ride path, and wherein the controller is configured to receive feedback indicative of the position of the platform from the second sensor and optionally to control the rotation of the platform about the guide axis based on the feedback from the second sensor.

4. The apparatus of claim 1, wherein a seat of the plurality of seats is coupled to the platform via a gimbal system.

5. The apparatus of claim 4, wherein the gimbal system is configured to maintain a position of the seat of the plurality of seats with respect to the ride path.

6. The apparatus of claim 1, comprising:

an interactive component configured to be handled by a guest positioned in the seat of the plurality of seats;

a target positioned along the ride path and configured to be activated by the interactive component; and

a controller configured to receive feedback from the interactive component, the target, or both upon activation of the interactive component, and wherein the controller is configured to control the rotation of the platform about the guide axis based on the feedback.

7. The apparatus of claim 1, comprising:

a first actuator configured to rotate the platform about the guide axis;

a second actuator configured to rotate the platform about a tilt axis, wherein the tilt axis is oriented crosswise to the guide axis.

8. The apparatus of claim 7, wherein the first actuator comprises a gear assembly driven by a motor or wherein the second actuator comprises a pivot assembly having a pivot structure and a plurality of telescoping actuators coupled to the pivot structure.

9. The apparatus of claim 7, comprising a controller communicatively coupled to the first actuator and the second actuator, wherein the controller is configured to control the first actuator and the second actuator based on a position of the platform with respect to the ride path.

10. The apparatus of claim 9, wherein a seat of the plurality of seats is rotatably coupled to the platform.

11. The apparatus of claim 10, comprising a sensor and a controller, wherein the sensor is configured to determine a position of the seat of the plurality of seats with respect to the platform and wherein the controller is configured to control the first actuator, the second actuator, or both, based on feedback received from the sensor.

12. The apparatus of claim 1, comprising:

a track defining the ride path;

wherein the bogie system is coupled to the track wherein the plurality of seats comprises:

a first seat coupled to a surface of the platform and configured to rotate about the guide axis with the platform; and

a second seat coupled to the surface of the platform and configured to rotate about the guide axis with the platform, wherein rotation of the platform adjusts a first position of the first seat and a second position of the second seat with respect to one another along the ride path.

13. The apparatus of claim 12, wherein the track comprises a dead end, and wherein the bogie system is configured to move toward the dead end in a first direction and away from the dead end in a second direction, opposite the first direction.

14. The apparatus of claim 13, wherein the platform is configured to rotate approximately 180 degrees with respect to the bogie system upon reaching the dead end.