## Claims

What is claimed is:

1. An automated system for spraying a wall of a building, the system comprising:

a carrier having a two-ways track installed thereon;

a six-axis robotic arm slidably mounted on the two-ways track, the six-axis robotic arm further having an end effector adapted to support a spray nozzle thereon, wherein the two-ways track comprises at least two axes movements allowing the six-axis robotic arm to slide over the two axes movements;

wherein a visual monitoring system mounted on the end effector is configured to scan structural characteristics and profiles of the wall;

a computing device disposed in communication with the visual monitoring system and the six-axis robotic arm, wherein the computing device is configured to receive the scanned structural characteristics and profile of the wall from the visual monitoring system; and

a controller communicably coupled to the computing device, the controller configured to independently control operation of respective ones of the six-axis robotic arm, and the spray nozzle according to the scanned structural characteristics and profiles of the wall.

2. The system of claim 1, wherein the carrier is an aerial work platform.

3. The system of claim 2, wherein the carrier comprises a boom lift.

4. The system of claim 2, wherein the carrier comprises a scissor lift.

5. The system of claim 1, wherein the two-ways track is a H-shaped track having a longitudinal track disposed between two lateral tracks.