Plate 1: An automatically computed navigation roadmap for a small factory environment consisting of 10 thousand triangles.
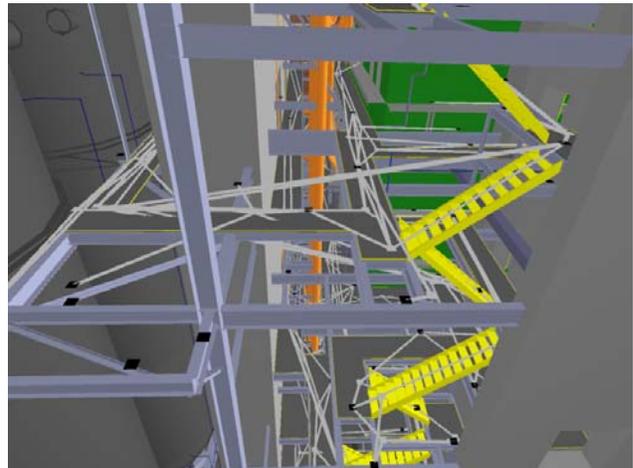

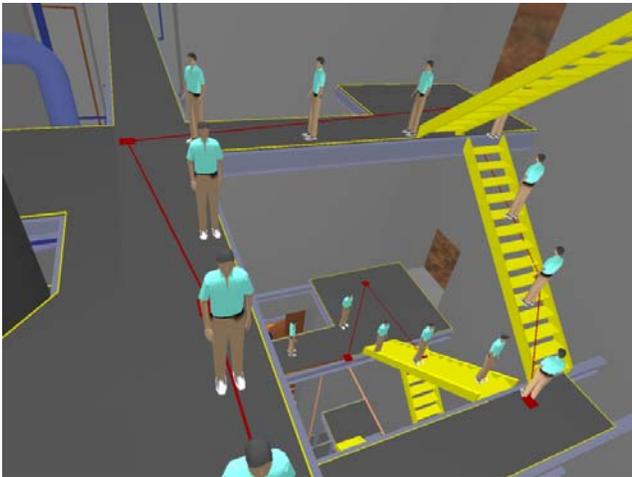**Plate 2:** A portion of the navigation roadmap for a power plant environment consisting of 12 million triangles.

Plate 3: A composite image of an avatar following an automatically generated, collision free path through the power plant model.

Plate 4: An avatar following a path through the factory model, from a start location, denoted by the green umbrella, to an end point, denoted by the red umbrella.
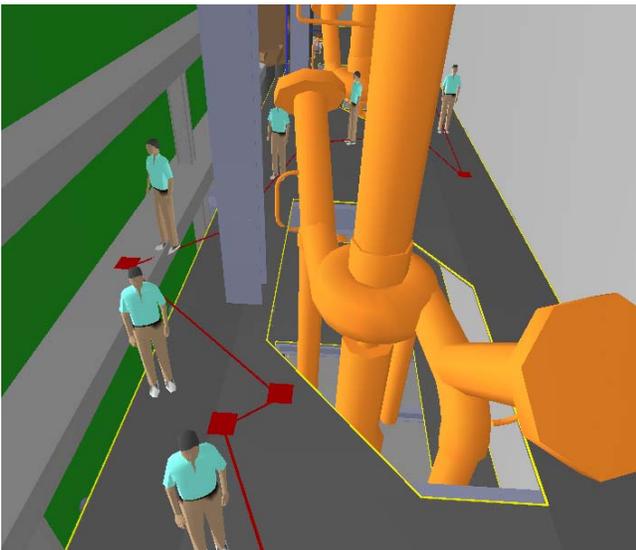

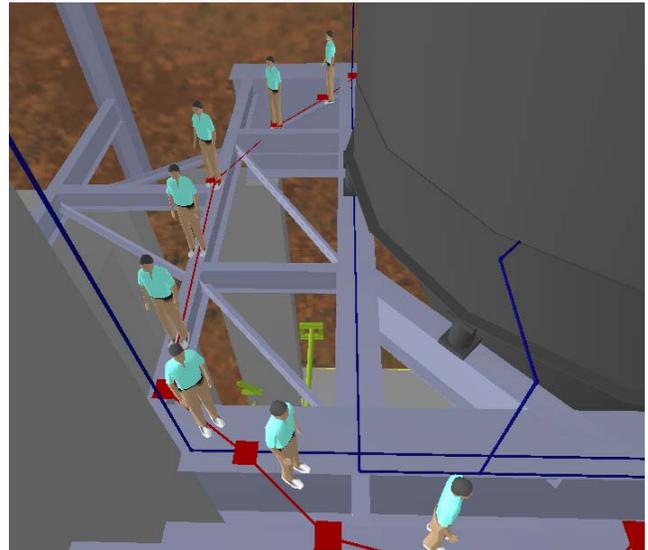**Plate 5:** An avatar follows an automatically generated path around the obstacles in the power plant model.

Plate 6: An avatar following a path across beams in the power plant model.