THE PROBLEM
Franciscan St. Margaret Health is one of the largest acute-care hospitals in Northwest Indiana, where a new emergency department is under construction. A visualization was needed for marketing and showing hospital personnel the layout of the new area and key locations throughout the department. Using architectural drawings and reference images of equipment and furnishings, a 3D model of the new emergency room and equipment was created and used to generate an animated fly-through of the new space.

THE PROJECT
3D modeling and animation software was used to create a virtual model of the emergency department with photorealistic effects such as reflections, lighting, and shadows. A series of short videos was created to take viewers through the department and highlight areas including the entrance, triage, nursing station, patient rooms, and operating rooms. In addition to the video, an interactive version of 3D model was developed for further viewer exploration.

THE OUTCOME
A series of short HD videos were created and shown to hospital personnel to provide a virtual tour of the emergency department before construction was completed. A web-based interactive version was also developed which allowed viewers to navigate and explore the space freely using their mouse and keyboard. The interactive version also featured a guided tour and a map/compass display to help users keep their orientation as they explored the facilities.

SPONSOR: Franciscan St. Margaret Health
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