Case Study

Empire State Building has high IQ

The Empire State Building (ESB), was for many years the tallest building in the world and it still dominates the New York Skyline. 102 story tall it towers over the neighboring buildings.

While most of the building is used for offices, annually 4 million tourists visiting its new observatory on the top floor making it one of the most sought after tourist sites in the city of New York.

Several areas of the building including its main lobby, the elevators, the observatory and huge car parking area are accessible to the public. Because of its iconic nature the risk of a terrorist attack is ever present.

The ESB is protected using iOmniscient's patented Non-Motion Detection system which can detect an abandoned object in a crowded area. A detection time can be set such that any objects that are found standing for longer the detection time would raise an alarm for the security team. The unique capability will find an object even if it is totally obscured for half of the detection time by the crowds of people passing in front of it.

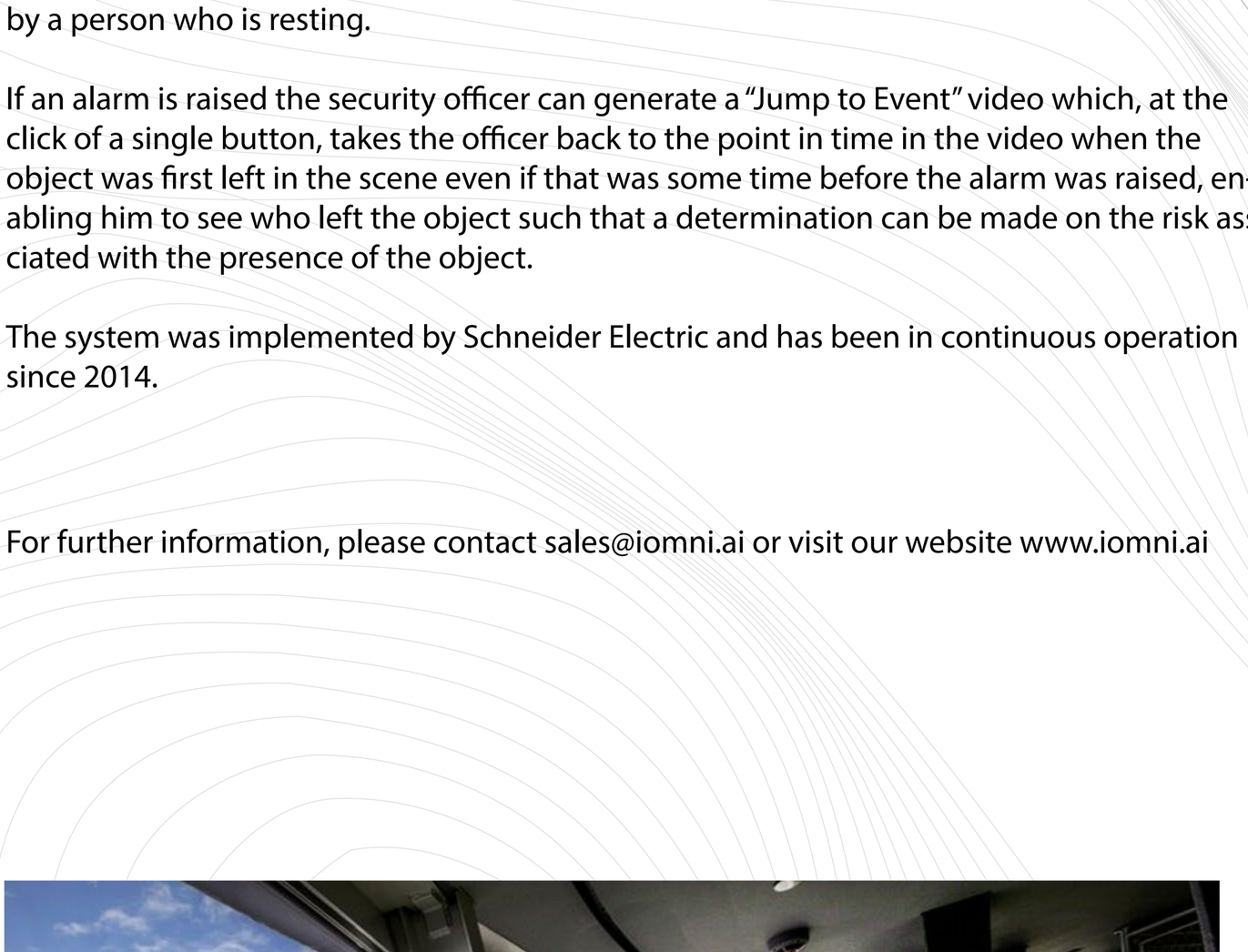
The system is smart enough not to raise an alarm if an object is put down for a minute or two by a person who is resting.

If an alarm is raised the security officer can generate a "Jump to Event" video which, at the click of a single button, takes the officer back to the point in time in the video when the object was first left in the scene even if that was some time before the alarm was raised, enabling him to see who left the object such that a determination can be made on the risk associated with the presence of the object.

The system was implemented by Schneider Electric and has been in continuous operation since 2014.

For further information, please contact sales@iomni.ai or visit our website www.iomni.ai





iOmniscient is a pioneer in Artificial Intelligence based Video Analytics.
Recently it topped Gartner's worldwide list of video analytics companies for the most comprehensive capabilities in the industry.
Its Artificial Intelligence based Multi-Sensory Analytics Platform includes sound and smell as well as video to better replicate human reasoning.
These technologies are proven and have been implemented by commercial and government users in almost 70 countries.

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