GEUTEBRÜCK
Competence in Video Security

Museums / cultural institutions

Museums study and preserve important "objects" of all kinds, typically from past times, that represent the history and development of humanity and make them available to the public. Most of these objects, such as collections of paintings from famous artists, represent an irreplaceably high ethical and material value and must therefore be protected and secured carefully.

Protection against theft has of course the highest priority, but a museum must also protect its exhibitions against vandalism.

GEUTEBRÜCK video security systems are used in the most famous museums and exhibitions worldwide and protect irreplaceable art treasures.

In addition to the peripheral surveillance of the premises with twin cameras, infrared lights, video motion detectors, alarm management und picture recording and monitoring of the exhibition rooms, GEUTEBRÜCK offers professional video analysis methods for direct monitoring of art objects.

The GSC/VA Missing video analysis examines picture data according to its configurations for missing objects; permanent recording of the camera pictures is active. The software "notes" structures in the video picture, e.g. a picture in the museum, that must always be present in the picture. Independent of other moving objects in the video picture, e.g. visitors, GSC/VA Missing only triggers an alarm once the painting is no longer visible the video picture for a certain amount of time, indicating that it has disappeared.

This alarm causes the live camera pictures to be switched on in the guard station. There the guards can quickly rewind through the recording (starting at the time of the alarm) to find out how the painting was removed from the camera's field of vision. The perpetrator is recognized and can be apprehended before leaving the museum.

An additional video analysis method, GSC/CPA (Camera Position Authentication), automatically recognizes once the angle of a camera has been altered, for instance when someone attempts to turn away a surveillance camera before a planned act of vandalism. CPA orients itself on the position of fixed contours in the video picture, independent of other movement in the picture, and immediately sends an alarm to the guard station once these contours have been moved in the picture.

In the guard station the guards can immediately recognize what is taking place as the neighboring cameras are automatically switched onto the monitors.

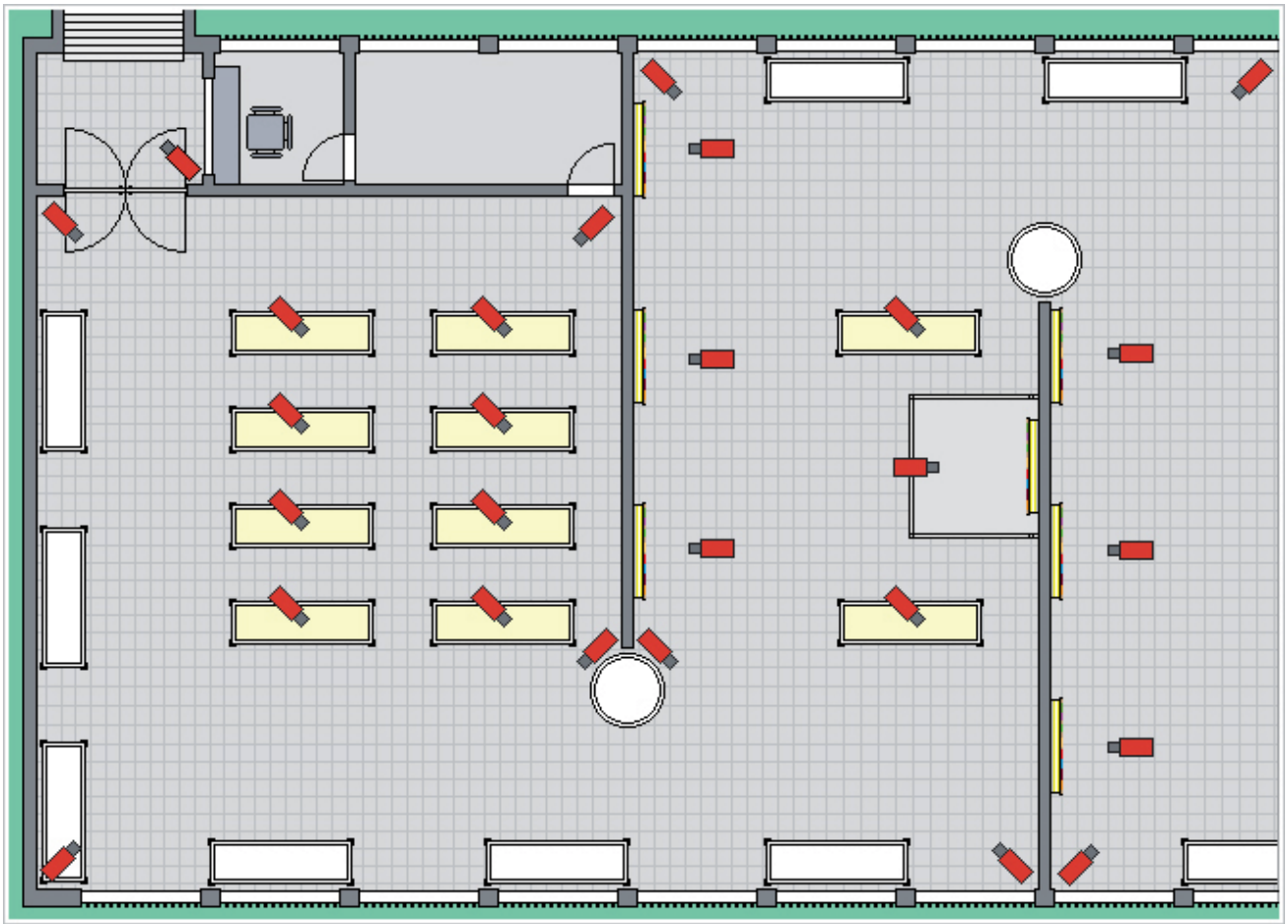
The 3-D video sensor function GSC/VMD monitors particularly valuable exhibitions pieces that are further away from the public due to a physical barrier. A camera that exclusively records the exhibition piece and its immediate vicinity is mounted so that the area outside of the physical barrier is only visible at the margins of the picture. Using detection fields that can be freely configured in their function, position, size and sensitivity, GSD/VMD detects every undesired approach towards the exhibition piece and sends a real-time alarm message to the guard station.

For additional surveillance at night, outside the opening hours of the museum, the Audio Activity Detection integrated in GeViScope can be activated. Using a microphone, it recognizes unusual sounds in the exhibition halls, such as windows or showcases being smashed, and triggers an alarm that switches the cameras on and turns on the main lighting in the museum.

For the realization of this example, we recommend the following products:

GSC/VA Missing picture analysis
GSC/CPA camera tamper protection
GSC/VMD video motion detection licenses
GeViScope hybrid server
MultiMap graphic user interface (GUI)

Example: layout of a museum floor



GEUTEBRÜCK GmbH
Im Nassen 7-9 | D-53578 Windhagen | Tel. +49 (0)2645 137-0 | Fax-999 E-mail: info@geutebrueck.com | Web: **www.geutebrueck.com**