

Dassault Systems

Preventing industrial espionage

Background / Problem statement:

An enterprise manufactures and sells jewelry, and consists of three independent structures: a retail chain, a manufacturing facility, and a design department. In the design department, designers and design engineers create design sketches for pieces of jewelry, their 3D models and layouts for machine tools with which the jewelry will be manufactured. The designers and design engineers are located in two different buildings within walking distance of each other. A security team is present at the entrance to each building. Physical access is strictly controlled.

Task:

The jewelry manufacturing facilities and the design engineers are located on different floors in the same building, and physical access between them is controlled. A guest Wi-Fi service is provided. There are no meeting rooms available to guests. Espionage by competitors is a major threat and protection is critical, as the jewelry designs and machine tools represent a very important competitive advantage. The deliverable(s) for this task can be in the form of instructions/a presentation/infographics/video on the protection or theft of information when data is communicated between employees and departments.

Solution requirements

Deliverables can be: a text document, a presentation, infographics or video.

Technical requirements for the solution

There is no strict formal technical requirements. The main requirement is the clarity of the presentation of the solution.

Evaluation criteria

- Criterion: novelty and ingenuity in solving the task.
Evaluation: maximum 5 - minimum 1.
- Criterion: solution suitability for a real-world design office.
Evaluation: maximum 5 - minimum 1.
- Criterion: solution accessibility for engineers, design engineers and other staff members not directly related to cybersecurity.
Evaluation: maximum 5 - minimum 1.