

Instructions: The Mercedes Benz Museum in Stuttgart, Germany is not only a unique building on the outside. Inside, it also has unique features and design that allows for it to not only be a unique museum but also a safe building for large crowds. Use online resources to help you discover the answers to these questions.

Here is one resource to help you get started: [UNStudio Information](#)

- 1. As you saw in the introduction video, the museum has an “artificial tornado” system. What is the real purpose of this system? What drove the building designers to include this system in the museum?**

The real purpose of the artificial tornado is to remove smoke from the building in case of a fire. The “tornado” pulls smoke into the central void of the building which helps to clear the walkways of smoke. The building needed a way to remove smoke quickly and efficiently to allow for people to be able to exit safely in the case of a fire emergency.

- 2. What is unique about the exterior walls of the Mercedes Benz museum?**

The facade of the museum has no straight walls and is made up of 1800 triangular panels. Each panel is completely unique.

- 3. What are the sources of inspiration for the shape of the building and materials used throughout the museum building?**

The shape of the building is meant to stand out as a recognizable landmark as you drive by but it also meant to correspond to the large buildings surrounding it such as the stadium that is nearby. The shape is also a result of the unique twist floorplan that allows visitors to walk down through the museum in multiple ways. The metal and glass exterior pays homage to the automotive industry. Some of the floor and wall materials on the interior are also directly related to the automotive industry. Oak floors in one area mimic floors from the old workshops while another area has original airbags covering the walls.

- 4. Why is the museum located in Stuttgart? What is the significance of it to this community?**

Mercedes Benz was founded in Stuttgart Germany and is still headquartered in Stuttgart today. Mercedes Benz is also still the largest employer in this area. The automotive industry is an important part of the history of this community.