

Project example

Is there enough space in the canteen if everyone takes their lunch break at the same time?

You won't know the answer until you've simulated it.

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The project at a glance

Industry
Company restaurants of industry

Task
Review planned layouts; in the second project, also the processes at the food distribution points.

Key steps
Each guest is individually mapped: food service, seating, tray return. In the second project using the Pedestrian Library from AnyLogic*

Goal
Check space requirements, traffic jams, waiting times and seat occupancy; in the second project, for twice the number of visitors.

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*Pedestrian Library = Extension of the AnyLogic simulation software for modeling pedestrian movements

What the simulation showed

Project 1 1. Concept sufficient for the expected visitor numbers not

Layout Revised version in the model successfully tested

Food offerings form the basis for the decision, what is offered where

Project 2 Bottlenecks at the dispensing counters require a new layout

Proof Counters, seating, returns are efficient in optimized layout

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Simulation · Virtual commissioning · Digital twin

There are flows of people not only in the canteen.

Evacuation and escape routes · Airports and train stations
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