

A realization of 1Point2

Designation: **Sizing a UN Conference Center**

Client: European Commission (Brussels), Soraya Baragano

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Brief description of the project:

Based on IFC format plans provided by the architect of a conference center to be used by the members of the Commission, the study attempts to test the sizing of, among others: the access doors to the building, the X-ray control/badge dispensers/tripod turnstiles, and vertical and horizontal circulation (escalators and elevators).

The model verifies that the general layout of the building ensures a reception of speakers and interpreters fluid enough to start on time all conferences and meetings, taking into account the assumptions of arrivals of the different types of people. Scenarios with maintenance or elevator breakdowns are also tested.

The study took into account the sizing of toilets used at peak times, especially during breaks between two conferences.

Finally, several evacuation scenarios (door preferences, scaling of evacuation signals, blocking of exits) were simulated for this seven-story building, the more than twenty rooms of which can be filled with over 2,500 people altogether.

