

Project Details

The Belgrade airport Nikola Tesla

The airport building for international air-traffic serves passengers and luggage by multi-storey operation system.

- **Location:** Belgrade
- **Total cost of project:** N/A
- **Years of construction:** 1977 - 1979
- **Category:** Transport
- **Status:** Finished
- **Area:** 47.000 m²
- **Contractor:** KMG Trudbenik

Detail design:

Srbijaprojekt

Designer:

Slobodan Mihajlovic, Aleksandar Vojnovic, Aleksandar Saletic

Photo Gallery



Information

The airplanes are connected to the building by fingers with airplane bridges. For passenger check-in 42 counters are installed, and "screening" is provided for customs and passport control as well as safety control before boarding the plane. The surface area of the building is 47,000 m² with the capacity of 5.500,000 passengers per year. The building is built and equipped in accordance with international regulations for civil aviation.

§ Functionally, the building has four zones: public passenger one, international controlled one, domestic controlled one, and domestic/international zone.

§ Originally designed steel construction was converted into prefabricated prestressed reinforced concrete one (in this way it was adjusted to the contractor's work technology).

§ The basic elements of the construction: the pillars are 25 m high with prefabricated prestressed

reinforced concrete lattices. The lattices are continuous, 40 m long and 40 tons weight. The roof cornices made of manufactured reinforced concrete elements 3.3 m long were joined on the ground by prestressing into elements of 13.2 m and thus erected. The pillar grid of the classical finger is 6.6x8.8 m. The fingers consist of only two structural elements: Frames (prefabricated, two-storey, prestressed) and ribbed floor shuttering. The building has two floors.

§ Within the location of the airport complex, KMG "Trudbenik" built a very interesting structure from the architectural and constructive point of view - The Aviation Museum. This special construction was made of prefabricated, cantilever, radial reinforced concrete prestressed lattices and radial ribbed door shuttering. The aluminium glass lining of the facade from the outside view Forms a beautiful glass-like torus.

Image source: [wikipedia](#)

Press clipping

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