

Extension of ŠKODA AUTO Plant



Location

Kvasiny

Investor

**ŠKODA AUTO a.s., Mladá
Boleslav**

Construction period

07/2005 – 04/2006

Type of construction

Industrial

Scope of services

**Construction,
Manufacture and
assembly of precast
concrete structure**

“ The purpose of the north extension of the assembly hall was to allow location of an assembly line for

Roomster cars. ”

The ground plan of the hall is 200 × 42 meters and it is 11-13 m high. From the south, the hall adjoins to the assembly hall for Superb cars built in 2000–2001. The hall has two main aisles with 18 m long roof truss. The bearing structure is formed by a steel-reinforced prefabricated skeleton. The pillars are based on bulb piles. The floor is formed by a steel-reinforced concrete plate finished with epoxy layers. Technological channels and air handling channels necessary for the placement of the assembly line are hidden in the floor. In one third of the hall's ground plan, there is a half-storey for the pre-assembly of a cockpit and office areas. The jacketing is made of sandwich panels. The roof comprises heat-insulated metal sheeting and PVC foil with rectangular skylights. Platfor...