

ABSTRACT**Railway construction vehicle, construction train comprising such a construction vehicle and process for building a railway**

This railway construction vehicle (3) comprises a gantry (21), which includes uprights, and a first means for moving the railway construction vehicle relative to the ground along at least one direction of advance (D1) of the railway construction vehicle. According to the invention, the railway construction vehicle (3) comprises at least one robotic arm (19) mounted on the gantry (21), between the uprights, wherein this robotic arm is configured to position at least one insert (33) in a slab (11) of fresh concrete situated in a construction zone (31) situated below the gantry, the gantry (21) comprising a roof support (27) that connects the uprights to one another by an upper end of the latter. The robotic arm (19) is suspended from the roof support.

Figure 2