CLAIMS

1. An ambulance having:

a chassis (210) that can move by itself and a self-supporting superstructure (100) including a patient compartment (110), the superstructure (100) fitting on the rear part (230) of the chassis (210) from above and being releasably fixed to it with mechanical connection;

a driving cab (240) built together with the front part (220) of the chassis (210);

a coupling structure (300) driven by an electric actuator (310) provided between the top (231) of the rear part (230) of the chassis (210) and the bottom (101) of the superstructure (100),

in which the coupling structure (300) has two states, a fixed state and an unfixed state,

in which in its fixed state the coupling structure (300) is arranged within a space with a given vertical height (h) between the top (231) of the rear part (230) of the chassis (210) and the bottom (101) of the superstructure (100),

in which in the fixed state of the coupling structure (300) the superstructure (100) is secured to the chassis (210) for moving with it by means of mechanical locking elements, in which the electrically driven actuator (310) of the coupling structure (300) is coupled to the locking elements (330) moving on a path (320) in a straight line parallel to the longitudinal axis of the chassis (210),

in which in the unfixed state of the coupling structure (300) as compared to the fixed state of the coupling structure (300) the superstructure (100) is further back in relation to the direction of travel in the direction parallel to the longitudinal axis of the chassis (210),

in which in the unfixed state of the coupling structure (300) the superstructure (100) can be lifted freely from the chassis (210) in a vertical direction with an external device;

characterized in that

the rear part (230) of the chassis (210) is equipped with one or more automatically closing and opening pipe ends (232, 233, 234) connected to a flow system (250) conveying gas or liquid medium and placed on the chassis (210),

the superstructure (100) is provided with one or more external connecting openings (132, 133, 134) which together with the respective one or more pipe ends (232, 233, 234) form a positioned, releasable form-locking connection along the direction of movement parallel to the longitudinal axis of the chassis (210), and

in the fixed position of the coupling structure (300) the one or more pipe ends (232, 233, 234) together with the corresponding one or more connecting openings (132, 133, 134) provide a gas or liquid-tight passage.

2. An ambulance (1) according to Claim 1, in which on the chassis (210) the one or more pipe ends (232, 233, 234) are connected to one or more subsystems selected from the following group: ventilation system; air-conditioning system; internal combustion or electric heater; water supply system, medical gas supply system.

3. An ambulance (1) according to Claim 1 or 2, in which the superstructure (100) and the chassis (210) are coupled together by means of one or more pairs of electrical connectors that can be separated and plugged together automatically or manually.

4. An ambulance (1) according to Claim 1, 2 or 3, in which the given vertical height (h) is more than 50 mm but less than 80 mm.

5. An ambulance (1) according to Claim 4, in which a skirt (500) encircles the rear part (230) of the chassis (210) on the side and at the back, the skirt (500) is secured rigidly to the coupling structure (300) and/or to the chassis (210), the rear member of the skirt (500) is the rear step and/or rear bumper (510), and the skirt (500) has a wheel well (520) around the rear wheels (245) of the chassis (210) arranged according to the axle base (L) of the chassis (210).

6. An ambulance (1) according to Claim 5, in which the superstructure (100) and/or the skirt (500) are provided with four openings (142) on their external longitudinal sides for access to the jacking points (140) formed on the superstructure (100) to allow lifting by a known lever jack.

7. An ambulance (1) according to Claim 6, in which the four openings (142) are provided with a movable cover piece (143).

8. An ambulance (1) according to Claim 7, in which at least one of the cover pieces (143) covering openings (142) is open only in the unfixed state of the coupling structure (300).