CLAIMS

1. A robot system comprising:
a ground vehicle;
an aerial vehicle capable of flight; and
a tether connecting the aerial vehicle to the ground vehicle, wherein the tether comprises one or more Bowden cables, each having an inner cable connected at one end to a respective motor of one or more motors of the ground vehicle and at another end to a component of the aerial vehicle;
wherein the ground vehicle comprises a motor controller configured to control movement of the component of the aerial vehicle by controlling the one or more motors,
wherein the aerial vehicle has a robot arm and the component whose movement is controlled by the motor controller is the robot arm with an end-effector,
wherein the robot arm has a plurality of discs arranged at a flexible backbone, and
wherein the discs have one or more holes which guide the inner cables of the one or more Bowden cables.

2. The robot system of claim 1, wherein the aerial vehicle comprises one or more rotors to make it capable of flight.

3. The robot system of claim 1 or 2, wherein the tether further comprises a data transmission line configured to provide a data connection between the ground vehicle and the aerial vehicle.

4. The robot system of claim 3, wherein the motor controller is configured to receive sensor data from the aerial vehicle via the data transmission line and control movement of the component of the aerial vehicle using the received sensor data.

5. The robot system of claim 4, wherein the sensor data comprise information about a position of the component.

6. The robot system of any one of claims 1 to 5, wherein the tether further comprises a power supply line configured to supply electric power from the ground vehicle to the aerial vehicle.

7. The robot system of any one of claims 1 to 6, wherein the tether further comprises a fluid pipe configured to supply fluid from the ground vehicle to the aerial vehicle

8. The robot system of any one of claims 1 to 6, wherein the tether further comprises a fluid pipe configured to provide a hydraulic or pneumatic connection between the ground vehicle and the aerial vehicle.

9. The robot system of claim 8, wherein the ground vehicle is configured to control a movement of the component or a further component of the aerial vehicle by means of the hydraulic or pneumatic connection.