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Remotely operated ship hull painting robot

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Ship hull coating is a critical and difficult procedure in the shipping industry. This operation is usually carried out using human resources. To drive around the ship hull, this procedure necessitates two workers and a special vehicle. The cherry picker, a special carrying vehicle that requires gasoline to run is required and it raises the overall cost of the coating operation and increases the cost of repairs. However, it is not a part of the coating process and is the route to the ship's hull. Current techniques are extremely expensive and impossible to manage.

This Suggestion robot provides a solution to the problem with the current coating procedure. The key function of this robot is to paint the ship's hull without the usage of scaffolding or a special transport vehicle. Often, labour costs are reduced because only one human is required to operate the robot, and the robot is cost-effective. Another feature of this robot is that it has a high-efficiency coating process and a user-friendly remote control. Since the moving belts are driven by permeate neodymium magnets kept on the belts, the robot of ship hull painting moves on the ship hull without crashing. High torque four DC mortars control the robot's movement, as well as the paint keeping tank and spray gun used in the painting process, which rotate 180^0 clockwise and anticlockwise as the robot moves backwards. This is full control by wireless remote. The Proposed robot can solve the ship hull paint problem in the ship industry.

Keywords: Cherry picker, Painting robot, Ship hull coating

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