



FLUOROCARBON CASE STUDY



UNDER THE WHEEL - SOLENOID MECHANISM

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THE CHALLENGE

In order to meet strict regulations regarding turning circles of taxicabs in London, an innovative rear wheel turning system was designed.

However, the new design of actuated steering mechanisms were seizing due to water and dirt ingress in to the solenoid actuator.

The client requested a complete solution in regards to this issue.

THE SOLUTION

[Arch solenoid mechanism incorporating a custom F200 Rubber Energised Seal](#)

Fluorocarbon offered a custom manufactured F200 rubber energised seal and PTFE surface coating offering seal performance, low friction, corrosion resistance and long life.

THE OUTCOME

The client also benefited from reduced warranty claims which helped to reinforce the brand perception in a competitive market.