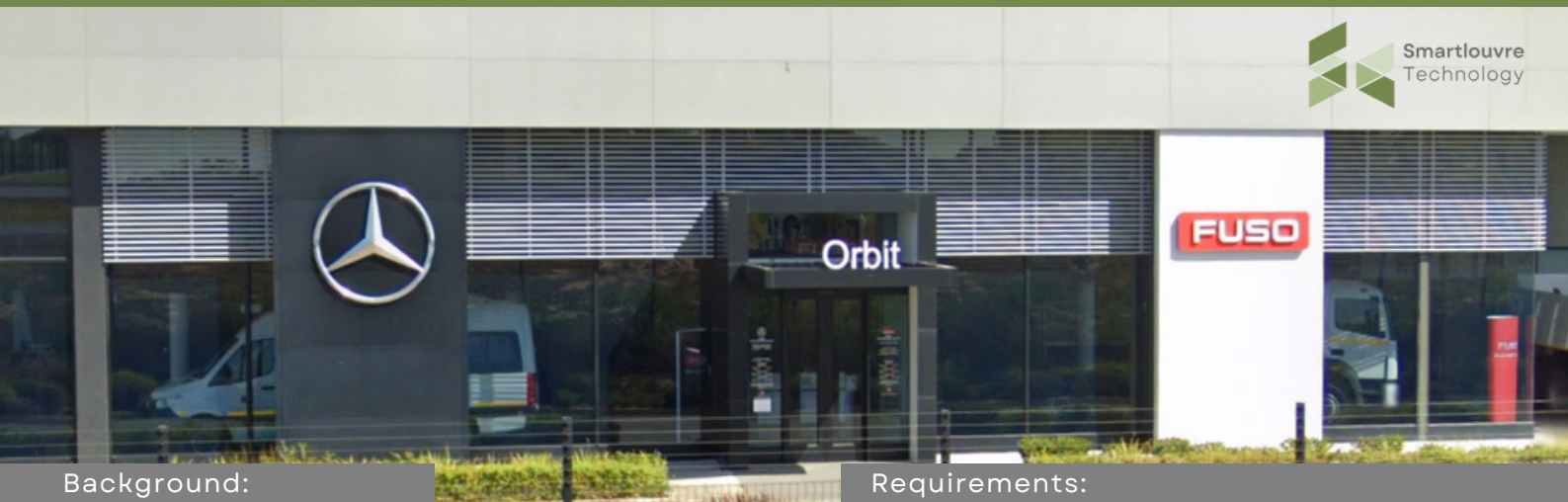


# Case Study Mercedes Benz Orbit Commercial Vehicles



## Background:

Smartlouvre worked with Mercedes and ARCA Unlimited Architects to integrate Microlouvre Koolshade® Screens to protect Mercedes showrooms and offices.

Clients and employees alike were complaining continuously throughout the day, that the temperature and glare were unbearable.

## Requirements:

- Reducing solar heat gain and internal temperatures
- Removing direct solar glare nuisance
- Maintaining clear contact with the outside
- Maintaining 100% pure Natural Daylight
- Protecting Clients and Employees
- Sustainable and energy saving

## Solution:

With large areas of glazing along with visual discomfort caused by the glare, clients and employees alike were complaining continuously throughout the day, that the temperature and glare was unbearable.

Understandably this thermal and visual discomfort negatively affected Mercedes employees' daily performance.

After extensive market search, Mercedes decided that Microlouvre Koolshade® provided the most comprehensive solution to these severe problems.



And subsequently the Microlouvre Koolshade® solution has made a huge difference to the Client Reception area with a cool pleasant environment both the clients and employees.

**KOOLSHADE**<sup>®</sup>  
The Ultimate In Passive Solar Shading

The architects, ARCA Unlimited, recognised the benefits of Microlouvre Koolshade®'s AST (Angular Selective Technology) for low sun angle protection from heat gain and glare.

Microlouvre Koolshade® is now specified in their Generic Standards, for Daimler Trucks and Buses, for dealership buildings with sun protection issues caused by large glazed areas.

A decision endorsed by Mr Graeme Watson, CEO of Super Group Automotive who is keen more dealerships benefit from the protection from damaging, overheating sun.



#### Results:

- Significant reduction in internal temperatures
- Balanced and pure, undistorted daylighting and full 100% CRI
- Compliant with all standards and regulations
- Elimination of glare
- Unobstructed vision out for building occupants