

Walsall Housing Group

A quality home of its own

Walsall Housing Group (WHG) is a provider of superior housing located in the West Midlands. The company affords high quality homes and community based services to the local neighbourhood.

Its new headquarters, located at 100 Hatherton Street, was designed to provide a comfortable and dynamic environment for the WHG employees and their clients. The interior space was fit-out with flexible dimmable lighting and huge exterior windows etched with a graphic design across the façade to fill large, open spaces with natural light.

Although natural light helped to illuminate the interior of the building, it also produced unwanted glare and heat. It was clear that conditions were not conducive to a productive work environment.

WHG first enquired about MechoSystems' manual roller blinds. After some discussion the automated SunDialer® WindowManagement® System was chosen to complement the roller blind system. SunDialer automatically adjusts shade positions according to solar penetration, watts per square metre loads and real time sky conditions.



SunDialer WindowManagement is:

- An advanced, solar tracking roller blind controller.
- Ideal for small and retro fit-out projects like WHG.

WHG selected SunDialer based on three features:

- Occupant comfort.
- Management of intrusive glare.
- Energy savings throughout the building.

As a result of SunDialer:

- The electrical lights (via their independent control system) react to daylight automatically.
- Lights closest to the window bank can dim to 5%.
- Luminaires located farther from windows utilise dimmable ballasts to supplement available daylight.
- Adequate task light levels are achieved within the building.
- Natural light is used and electrical light use is reduced.



Upon completion of this project:

- Occupants have reported no glare issues.
- Thermal comfort with minimal heat gain has been reported.
- Views to the outside are maximised throughout the building.
- The large windows are an asset, rather than a source of concern and avoidance.



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