



Pilkington

Pilkington, part of the NSG Group are one of the world's largest manufacturers of glass and glazing products for the architectural, automotive and technical glass sectors. With around 27,000 permanent employees, NSG have principal operations in over 100 countries around the world and sales in excess of £4 Billion. The company has three main areas of business, architectural glass, automotive glass and technical glass.

Synetica installed wireless metering and environmental sensors at the Pilkington Data Centre at their UK headquarters in St. Helens. The data is securely transmitted to Synetica's enVision IoT platform where the data can be analysed and reported. Within months of the initial install, a system generated alarm alerted the data centre staff to a problem with the cooling system. During a routine chiller service visit the data centre operating set point was reset from the required 23°C to 18.5°C, which resulted in an instantaneous increase in energy consumption of 35% and degraded the Power usage effectiveness (PUE) from 1.4 to 1.55. The enVision alert allowed staff to quickly identify and rectify the issue before it resulted in increased operating costs.

Pilkington glass is used in many iconic buildings around the world and one of the most striking is The Shard in London, the building is made up of eight glass shards which define the shape of the tower.

DataStream energy loggers and enLink wireless monitoring is installed at numerous Data Centres globally, helping them to track and allocate energy consumption for individual clients and to manage the critical data centre environment.

www.synetica.net



CLIENT
Pilkington

DELIVERABLES

Air Quality Monitoring
Environmental Monitoring
Data Centre Monitoring

AWARDS & MENTIONS

- BCE Environmental Leadership Awards – Process Category