
# PUREGYM CASE STUDY

Our SmarterEDM in conjunction with our low cost IoT wireless hardware platform has been implemented across more than 150 Pure Gym sites.

Our ability to connect to a multitude of different third-party air conditioning and boiler equipment, collect environmental and energy consumption data and then present this on a single platform has transformed the way Pure Gym approaches energy management and driven improvements and cost reduction across its maintenance activities.

Control strategies have been built and implemented using environmental temperature, humidity and $CO_2$ data from within the gyms, using external weather temperature and combining occupancy data from the card-entry system. This has enabled different modes of air conditioning and heating to be automatically configured.

Named 'PureControl', the solution allows multiple stakeholders to sign in and see the most relevant data relating to them, whether that be financial, energy, maintenance or alerts and alarm notifications.

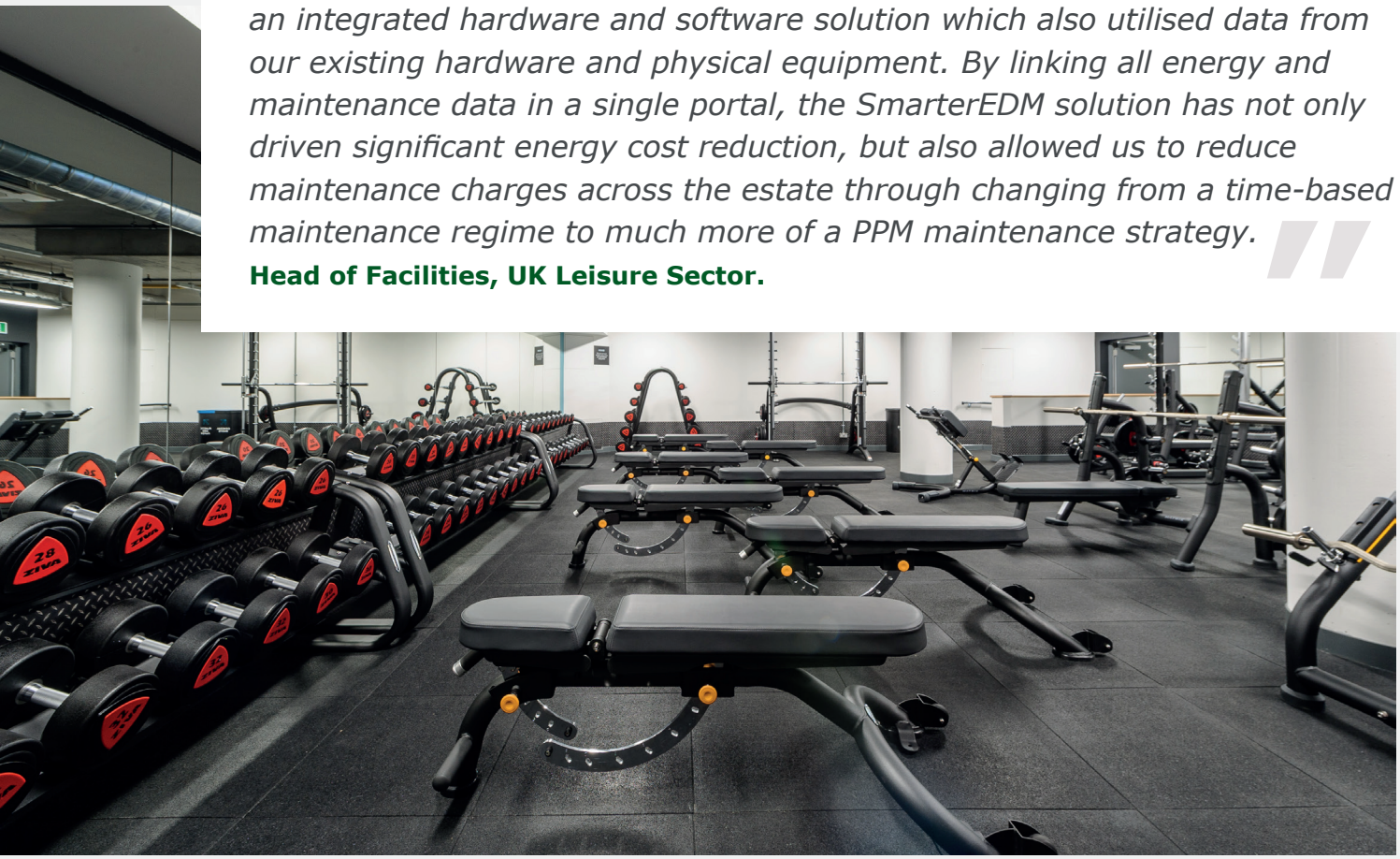
After installing the SmarterEDM solution at **43 gyms**, a **Return On Investment** of **less than 12 months** was achieved which enabled an estate-wide rollout

Remote access via gym managers mobile phones allows for local changes to be implemented if required for a pre-set time before equipment reverts to its optimised settings.

The project started in late 2015 and has resulted in significant energy and carbon reduction and improved maintenance management of remote assets.

*"SmarterDM has an innovative approach to energy demand management. They are the only company we came across which offered an integrated hardware and software solution which also utilised data from our existing hardware and physical equipment. By linking all energy and maintenance data in a single portal, the SmarterEDM solution has not only driven significant energy cost reduction, but also allowed us to reduce maintenance charges across the estate through changing from a time-based maintenance regime to much more of a PPM maintenance strategy."*

**Head of Facilities, UK Leisure Sector.**



## KEY FUNCTIONS

- **Access to real-time energy consumption data – allowing remote control of onsite equipment**
- **Implementation of automated air conditioning schedules based on three modes of operation dependent on pre-defined times of day**
- **An ability to measure the number of people in the gym (and specific areas) at any given time which then triggers changes to air conditioning units when necessary**
- **Our environmental sensors identify when buildings exceed certain temperature thresholds – triggering automated changes to heating and cooling regimes**
- **An ability to set up alerts and alarms to notify of poor energy performance**

PUREGYM

smarter EDM