

## GAMING STUDIOS UPDATED AND UNDER CONTROL

Rare Limited is a British video game developer and Xbox Game Studio with its HQ based in Twycross, Leicestershire. The BEMS has always played a pivotal role ensuring that environmental and comfort conditions are always maintained.

<b>Customer:</b>	Rare Limited
<b>Project:</b>	BEMS Support and System Upgrade
<b>Sites:</b>	Rare Studios, Twycross



## CUSTOMER BACKGROUND:

Established in 1985 to focus on the expanding console market, Rare partnered with Nintendo and quickly sealed a reputation for quality and with titles including Battletoads, Donkey Kong Country and GoldenEye. The acquisition of Rare by Microsoft Game Studios came about in 2002 after a colossally successful run of titles throughout the 1990s. In more recent years Rare's investigations into cutting-edge motion control resulted in the multi-million selling, double BAFTA winning Kinect Sport series. With development now firmly established for Xbox One and Windows 10, Rare are still hard at work in their custom-built English countryside HQ developing new products.

## THE REQUIREMENT:

The vast site has four main buildings referred to as "Barns" for the game developers and a further main administration block, all designed to provide an informal and collaborative working space which have been conceived to fuel the creativity and productivity of the creative minds employed by Rare.

The site Building Energy Management System (BEMS) was upgraded in summer 2018 from an obsolete and legacy Satchwell BAS2800 that had been installed for many years, to the latest Priva Blue ID, this included 3000 BEMS points spread across 12 intelligent controllers. A new communications network was installed across the site and over 75 fan coil unit controllers replaced. In late 2020 the site went through a major refurbishment, which included an upgrade installing Daikin AC units within the main Barns and removing the old fan coil units. The Priva system was reconfigured and updated to accommodate the new Daikin AC systems and high level BACNET integration was completed to interface to the WindowMaster window control systems.

Due to the large heat gains from the IT equipment used in game development, night-time cooling is very important. This is achieved by monitoring the cooler outside air temperatures, against the internal space temperature and controlling the barn windows to provide for free cooling. Making both environmental and economic sense. Having completed the upgrade, Kendra continue to provide the ongoing maintenance and support to the system, to ensure the BEMS is working efficiently and correctly at all times and the best environmental conditions within the building are always achieved.

## Kendra Energy Solutions Ltd

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## THE CLIENT:

### Here's what the client had to say...

"Over the last 10 years our business operations have become more and more reliant on high end I.T. Infrastructure. As a consequence the heat gain from this equipment meant that our working environment had become unpleasant.

The team at Kendra have supported us for a number of years and when it became necessary to install HVAC across our office space it was a no brainer for my project team's engineering consultant to reach out to them to initially gain an insight into the issues but then also to employ them to work alongside our main contractor. Our BMS system is working smoothly and our internal working environment is a much more pleasant place to be. The Kendra team, and in particular Scott, have done a really good job for us."

DAVID SANDERBERG

HEAD OF FACILITIES MANAGEMENT AT RARE - MICROSOFT STUDIOS



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