
GSK Research & Development, Ware, UK



Client: GlaxoSmithKline

Management Contractor: EMCOR Facility Services

GlaxoSmithKline is one of the pharmaceutical industry leaders, with 85 manufacturing sites in 37 countries, and 32,000 employees involved in the development and production of product, providing an estimated 7% of the world's pharmaceutical market.

The GSK R&D Ware site is located in Hertfordshire, to the north of Greater London. It is one of the oldest in GSK's network of sites having been established in 1897.

Today, it is responsible for the development and introduction of many of the company's new products, in either tablet or respiratory form, with around 900 people working on the site either supporting the development of new products or the supply of many of GSK's most important established products.

Due to the age of the existing site fire water system, Incendia Consulting were instructed to carry out a full review of the fire water system's pumping capabilities on the site. The aim of the review was to verify if the flows and pressures provided by the existing fire pumps were capable of providing the system demands required by the sprinkler, drencher and external hydrant systems on the site in line with the requirements of the GSK Insurers, FM Global.

Incendia Consulting carried out a full hydraulic analysis of the system incorporating the demands of the various fire protection systems around the site supplied by the fire pumps.

Following the hydraulic analysis a thorough technical report was compiled which set out the recommendations to resolve the deficiencies of the system and the alterations required. The report also prescribed changes required to the existing fire water pumps and specified the size of the new replacement pump complete with a design proposal for the foundation, piping and equipment changes within the pumphouse.