

Wyeth BioPharma Campus Grange Castle, Dublin, Ireland



Client

Wyeth Medica Ireland

Value

US 1.2 billion / Capital investment

Area

90 acre site (27 hectares)

1.2 million sq ft / 366,000 sq m of campus

Schedule

Design 1998/1999

Start on site October 2000

Mechanically complete August 2003

Operational April 2005 (EMEA Licence)

Assignment

Program Management



This huge development (one of the world's largest pharma greenfield sites) consists of three enormous facilities, each could be considered a large project in its own right. These facilities are supported by extensive infrastructure including over 50 acres of paved roadway and parking, warehousing and cold storage and a Central Utilities Building that supplies the whole campus with steam, chilled water, compressed gases, electricity and the means to distribute it.

The project is quite literally a town in itself with over 3,000 operatives and management on site during its peak. A staff of 700 professionals was required to commission and validate the campus. It will finally become the workplace of 1,300 people and will provide a huge boost to the local economy.

Described as a 'multi-project biopharmaceutical campus', the site will manufacture a range of healthcare products for the treatment of debilitating diseases such as rheumatoid arthritis, juvenile pneumonia and spinal and facial injuries.

The campus comprises:

Drug Development Facility / Pilot Lab

This facility will move products from the research pipeline to commercial manufacturing. It will coordinate and validate the technologies and procedures required to migrate the products and processes from the laboratory to the commercial production stage. It will have cell culture bioreactor and purification capability and fermentation.

Drug Substance Facility

This facility performs the beginning and intermediate stages of manufacture of cell culture products for worldwide distribution. It is a multi-product facility that will include media preparation, fermentation and purification stages of manufacture.

Finished Product Facility

Here the finished products are lyophilised and placed in vials for end sale as sterile products. The primary steps of the finishing process are formulation, vial preparation, filling, capping, and inspection.

QA/QC and Administration Building

Provision of campus QA and QC laboratories, administrative offices and restaurant facilities.

Project managing a development of this size requires resource co-ordination, planning and appreciation of the bigger picture. Bovis Lend Lease with Jacobs Engineering formed a 50/50 joint venture partnership – known as Jacobs Lend Lease – to ensure this record-breaking campus is completed successfully.

Bovis Lend Lease not only has to utilise its construction management skills, but also brings its knowledge of logistics, IT and information systems to this project. The role concludes with achieving a status known as 'Mechanically Complete', which is followed by commissioning, qualification, occupation, final occupancy and operations.

After Safety, the main driver on this project was schedule and a date of April 2005 for Commercial Start-up was the target from the outset. Bovis Lend Lease's early input into buildability paid dividends and examples on site included the elimination of wet trades (bricklayers, plasterers etc), prefabrication wherever possible, steel framed buildings instead of reinforced concrete, all contributed to optimising the schedule.

As an Alliance partner we have expanded our operations across the world with Wyeth to provide them with a consistent level of service regardless of location.