Project Profile

CONSULTING ● DESIGN ● ENGINEERING ● CONSTRUCTION

ELI LILLY

QC Laboratory, Basingstoke

The Solution

It was critical for the QC functions to be fully operational during construction work. As a result a detailed strategy for decanting, temporary moves and a phased construction activity was developed.

The building services were carefully coordinated to ensure full functionality, during decanting from one area to another, demolitions and new fit-out installation.

Structural and spatial constraints were an additional challenge to be assimilated as part of the overall design and construction strategy. Existing penetrations through floors were incorporated into the design strategy. Existing outlets from the plant floor were also used and new penetrations minimised, in order to maintain the integrity of the listed building facades.

Part of the decanting philosophy required the provision of a new sectional building, adjacent to the existing building, to accommodate the Microbiology laboratory. Although a temporary building, the Micro Laboratory had to be fully cGMP compliant. Austin provided in-house process expertise to carry out a cGMP audit for the new laboratory.

The solution provided an upgraded laboratory floor providing a cGMP compliant facility and reflecting the requirements for the new “lean lab” operational philosophy.

The Opportunity

- The existing 1930 Grade II listed building situated in the heart of the manufacturing site houses a variety of functions including offices, restaurant and laboratories.
- The existing QC Laboratories situated on the top floor below a plant floor included a range of test facilities to support the manufacturing process, incorporating a Microbiology suit.
- The QC Laboratory facility needed to be upgraded to provide additional space for increased test requirements. There was also a requirement to improve the cGMP operational regimes particularly with respect to the Microbiology suit.
- Eli Lilly were also developing a new operational methodology for QC called “lean lab” working. This methodology mirrors the manufacturing process and has identified an improved efficiency in laboratory operations.
- Austin worked closely with Eli Lilly to develop the space planning for the laboratory floor upgrade to meet the new “lean lab” philosophy.