



**Client:** Bio Products Laboratory  
**Project:** Floor Loading Study

**Background**

Bio Products Laboratory Ltd (BPL) is an organisation which turns blood plasma in to a range of life saving products. It is committed to research and development to maintain a key position in a constantly changing market in the 21st century.

**Requirement**

As part of a major capital investment plan, BPL is installing a new Ultrafilter. A structural survey was required to determine the maximum allowable floor loading within building P327 and the immediate surrounding area at BPL's Elstree Site.

**Our Response**

HFL provided an experienced Structural Engineer to carry out an engineering empirical approach to verify that the floor was capable of supporting the weight of a new Ultrafilter.

The calculation provided was limited to the floor slab which supported three rooms, and determined whether or not the floor slab could support the proposed installation.

**Result**

With the information provided BPL was able to confidently install the new Ultrafilter without the need for any building modifications.

**“The rapid response from HFL enabled us to organise and plan our Ultrafilter installation with complete confidence. This was a key component in our shutdown programme”**

Henry Culbert  
Project Manager  
Bio Products Laboratory

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**HFL is a unique mid-size design contractor in its ability to provide civil, structural and architectural personnel.**

**BPL can count on us as a one stop shop.**

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Mike Hurley  
Principal Civil & Structural Engineer  
Haden Freeman Limited

