

# CASE STUDY



INDUSTRY: **Healthcare**  
CLIENT: **University Hospitals Plymouth NHS Trust**  
CONTRACTOR: **Nevada Construction**  
ARCHITECT: **Stride Treglown**

## PROJECT:

The development of the new Bigbury Orthopaedic Surgical Suite, on Level 2 of Derriford Hospital, in Plymouth.

This project involved the full refurbishment of the existing hospital kitchens, to transform them into state-of-the-art, fully functional, clinical spaces, which included:

- Three new operating theatre suites
- Nine recovery rooms
- Theatre stores
- Medical staff offices
- Staff rest areas

Our brief was to design, supply and fit the doors for the project.

## CHALLENGES:

The biggest challenge for this project was ensuring we caused minimal disruption to essential hospital services, while working in and around a fully operational, high traffic environment, within one of the busiest parts of the Derriford Hospital.

## SOLUTION:

Working with the architects Stride Treglown, and main contractor Nevada Construction, the solution specified was for us to manufacture, supply and fit nine door-sets from our award-winning Flo-Motion® range. These included seven Flo-Motion® B01 bi-parting manual sliding door sets and two Flo-Motion® T100 telescopic door sets, with all units having clear, double-glazed glass.

A powder coat finish to RAL 7046 was applied to the door sets with all handles in a stainless steel finish.

Additionally, all doors were digitally force-tested, with each leaf of the bi-parting doors averaging 6.9N, and the larger heavier telescopic doors averaging 9.5N.

## OUTCOME:

Our Flo-Motion® door-sets provide many significant benefits for patients and staff in the new Bigbury Orthopaedic Surgical Suite, including:

- Flo-Motion® Manual Sliding Doors have helped create a department with excellent light transfer and a feeling of spaciousness.
- Our doors provide clear visibility between patients and staff.
- The ability to operate our doors with light fingertip control makes life easier for staff.
- The use of our Flo-Motion® Manual Sliding Doors has created an attractive, efficient, effective, and improved working environment for staff, and as well as an improved patient experience.

