





## **Operating Theatre Service**

For your annual verification we recommend the following performance and preventative maintenance programmes:

## **Ultra-Clean Ventilated Canopy (UCV) Theatres**

- Visual theatre and Air Handling Unit (AHU) inspection
- Measure supply and extract airflow rates
- Measure dimensions and calculate air change rates
- · Particle counting for air quality checks
- In situ HEPA filter integrity testing
- Measure airflow velocities under UCV canopy
- · Measure room pressure differentials
- Record room temperature and humidity
- · Measure room noise and light levels
- Check mechanical, electrical and control functions
- Microbiological air sampling (optional)
- Re-entrainment test (optional)

## **Conventional Theatres**

- · Visual theatre and AHU inspection
- Measure supply and extract airflow rates
- · Measure dimensions and calculate air change rates
- · Particle counting for air quality checks
- Measure room pressure differentials
- · Record room temperature and humidity
- Measure room noise and light levels
- Check control functions
- Microbiological air sampling (optional)

For UCV theatres we recommend a bi-annual service to ensure the canopy is operating efficiently, including the following performance tests:

- Visual Theatre and Air Handling Unit (AHU) inspection
- · Check mechanical, electrical and control functions
- · Record room temperature and humidity
- Measure room noise and light levels
- Replace pre-filters
- Measure airflow velocities under UCV canopy (grid velocity profiles at 1m & 2m from FFL)

In addition to operating theatres, Normec Crowthorne can provide an annual verification for other critical areas, such as:

- Mortuaries
- Pharmacies
- Sterile services
- Isolation rooms
- CSSD (Central Sterile Services Department)

All inspection and performance testing of operating theatres should be undertaken by trained, experienced and qualified engineers. Normec Crowthorne have been working in operating theatres and cleanroom environments for many years and understand the importance of accuracy and consistency when providing these services within such critical environments.

