



RVTGROUP[™]
Protecting long-term health on site

Health hazard control solutions for Healthcare construction projects

RVT provides contractors with specialist hazard control equipment for projects based in sensitive healthcare environments



Supporting healthcare facilities during building upgrades & maintenance

RVT's specialist hazard control solutions ensures the safety of patients and healthcare professionals while construction work takes places.

Sanitation and infection control are of the utmost importance when in a healthcare environment. Hospitals are required to nurse patients back to health as quickly as possible, and they need to do this in clean and safe surroundings.

Whether they are experiencing a routine or emergency hospital stay, it is vital that no patients are exposed to hazards that may put them at further risk during demolition, excavation, construction or refurbishment activities. Healthcare operations and infection control managers come across a variety of challenges in these highly sensitive environments that could pose threats to patient health every day.

RVT Group are proud to support this incredibly important industry in prioritising patient safety. RVT Group are on-board to provide you with fully approved health hazard control solutions that will protect your workforce.

- ✓ Noise Control
- ✓ Dust and Fume Control
- ✓ Ventilation Solutions
- ✓ Environmental Monitoring



Understanding your challenges

Maintaining Patient Comfort

In a sensitive environment where vulnerable patients need to recuperate, it is imperative that they are not disturbed by excessive noise. Unwanted noise can have a devastating effect on a person's mental health and their ability to function normally, especially if they are already unwell.

RVT Group are specialists in noise control and offer a variety of acoustic curtains, quilts and enclosures in our Soundex range. These acoustic barriers can either line the perimeter of, or fully enclose, the construction works. Furthermore, you may also wish to consider auditing noise levels throughout the construction or renovation programme. RVT's Monitex Area Noise Monitors helped to ensure that patients weren't unnecessarily exposed to excessive noise at Great Ormond Street Hospital during construction of their new iMRI facility.

Reducing the Risk of Aspergillosis

Immunocompromised patients are at an increased risk of infection by fungi, bacteria and viruses. During demolition, construction, maintenance and refurbishment works, the concentration of airborne contaminants, such as Aspergillus spores, significantly increases and becomes an infection risk.

RVT Group's specialist dust control filtration and extraction units will remove dangerous hazards from the air, keeping you compliant with the Healthcare Building Note (HBN 00-09). We use powerful HEPA filtration technology which removes 99.9% of air pollutants.

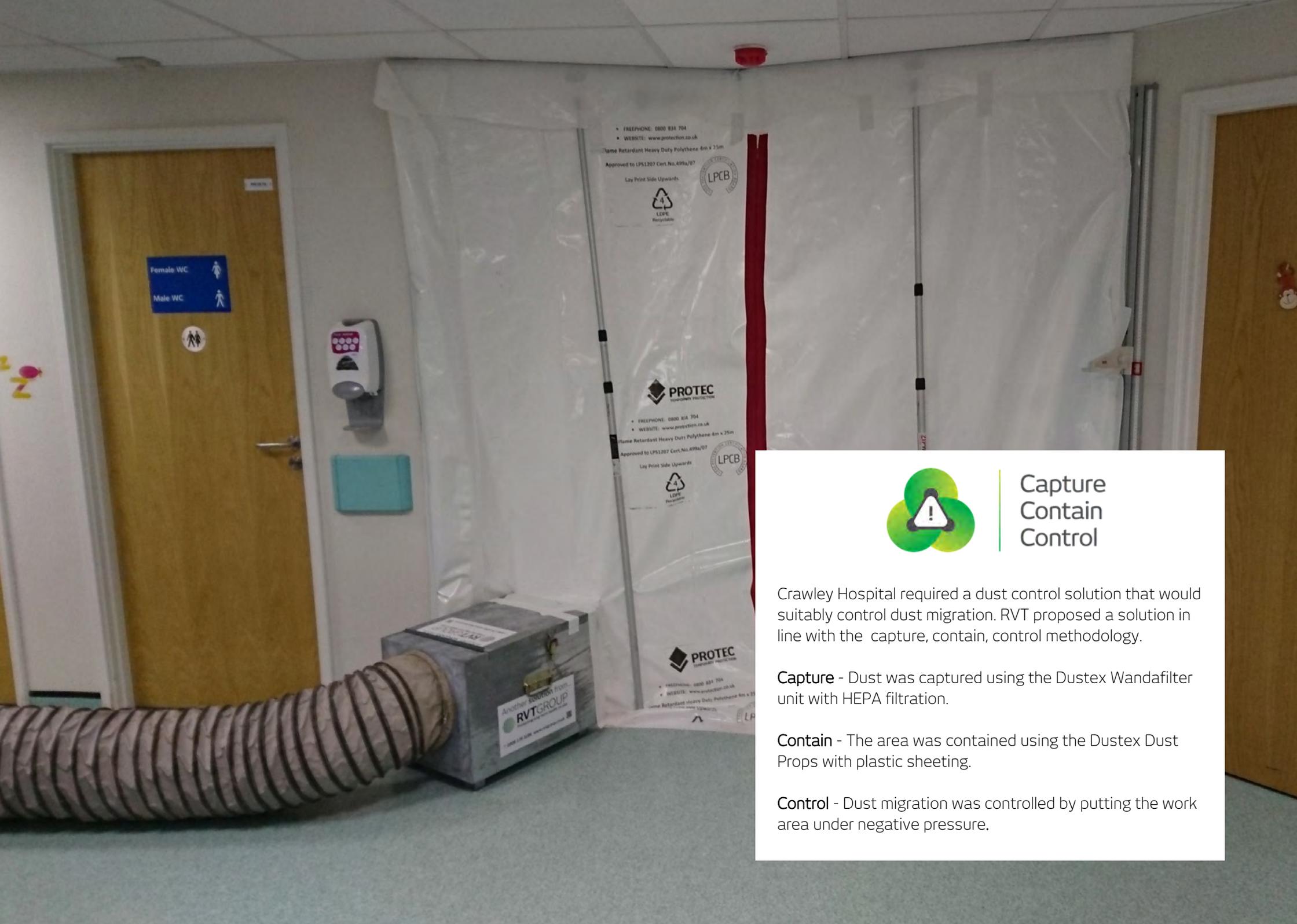


Understanding your challenges

Infection Prevention and Control

Airborne contaminants settling on specialist hospital equipment will not only compromise their functionality, but will also jeopardise the safety of the patient. Contaminated surfaces will increase the risk of infection, and could even put lives at risk.

We know that infection prevention and control is a key clinical priority, and that containing dangerous airborne contaminants is vital. RVT Group therefore offer a wide range of enclosures and screens to contain the dust; furthermore, we offer a range of high power ventilation units that can be used to create a negative (or positive) pressure environment to eliminate the risk of dust migration.



Capture Contain Control

Crawley Hospital required a dust control solution that would suitably control dust migration. RVT proposed a solution in line with the capture, contain, control methodology.

Capture - Dust was captured using the Dustex Wandafilter unit with HEPA filtration.

Contain - The area was contained using the Dustex Dust Props with plastic sheeting.

Control - Dust migration was controlled by putting the work area under negative pressure.



Providing a solution

Soundex Noise Control

The Soundex Acoustic Control range offers high quality, fire resistant sound attenuation barriers, that have been independently tested and certified. All Soundex products are made from a durable, non-irritant, water-proof material, and can be easily disinfected to maintain a sterile environment.

Dustex Dust Control

The Dustex range offers extraction and filtration units that are suitable for a wide variety of activities; from demolition to wall chasing. The Dustmaster Pro is particularly suited to the healthcare environment as it features a 100% reliable seal to ensure that dust cannot escape from the unit. Our HEPA filtration technology also ensures that dangerous airborne contaminants such as Aspergillus are captured and contained at source. To further reduce the risk of dust migration, you can contain the area using a Dustex Airlock.

Ventex Ventilation

RVT offer a wide range of axial and centrifugal fans that can be used to provide ventilation. During the recent pandemic we worked with hospitals to provide temporary negative pressure systems on COVID-19 wards. Ventex fans can also be paired with our Dustex equipment to create a negative pressure work zone; the high airflow ensures that dust cannot migrate into sensitive areas.

Monitex Monitoring

RVT offer both dust and noise monitors, allowing you to check that exposure limits are not being breached throughout the project. Furthermore, if you have opted for a negative pressure dust control system, we can offer a differential pressure gauge to give you peace of mind that the pressure is maintained and that dust cannot migrate out of the work zone.

Superior equipment tailored to your project

Here are some exclusive RVT products used by contractors when working in a sensitive environment. To view more products visit www.rvtgroup.co.uk/hire-equipment



Dustex DustMaster Pro

Create a negative pressure to eliminate migration of dust particles and reduce the risk of cross-contamination.



Dustex Air-lock

Create an isolation airlock between construction work and surrounding sensitive environments. Designed to fit hospital corridors.



Dustex Raptor

Designed to capture and filter dust using HEPA filtration. Use with a Dustex Air-lock to reduce dust migration.



Monitex Dust Monitor

Monitor dust and particle emissions in real-time, ensuring that your project stays below the Workplace Exposure Limits for dust exposure.



Monitex Noise Monitor

Manage noise levels and ensure your project remains compliant. Receive automatic noise reports and alerts via text or email.



= pressure is ok



= pressure is not ok

Monitex Differential Pressure Gauge

Clear visual confirmation that the room remains under pressure and provides peace of mind that dust cannot migrate.

South Tees Hospitals 
NHS Foundation Trust

The James Cook University Hospital



Case study: Dust control at James Cook Hospital

Overview

Construction of the TomoTherapy Unit for James Cook Hospital will utilise more space on site and allow the hospital to keep up with its growing demands. The workspace is surrounded by multiple busy treatment areas and it is essential that patients and staff suffer minimal disruption.

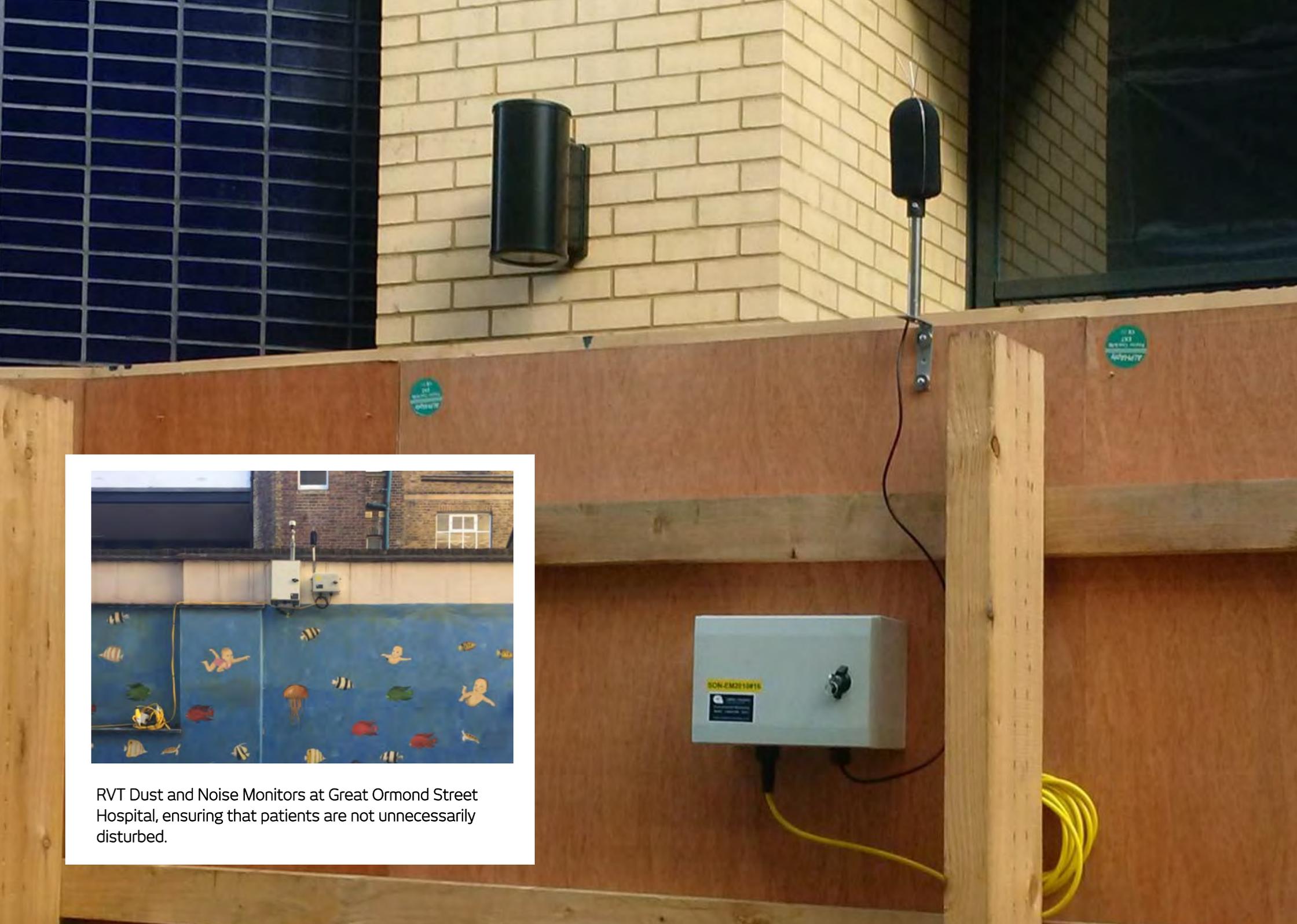
Challenge

The hospital has a zero-tolerance policy on dust due to the risk of patients breathing in airborne aspergillus spores – a major threat to those with weak immune systems.

Solution

To ensure zero dust migration, RVT put the entire work area under negative pressure using the Ventex 200CF and the Dustex DustMaster. The DustMaster housed three filters; an EU4, EU7 and HEPA filter, to ensure that workers were adequately protected. A differential pressure gauge and dust monitor were used to confirm that the hospital's zero-tolerance policy was upheld throughout the duration of the project. This not only protected the patients but would also protect the contractor against any litigation claims should best practice and infection control come into question.





RVT Dust and Noise Monitors at Great Ormond Street Hospital, ensuring that patients are not unnecessarily disturbed.

Peace of mind and quality assured

By choosing to work with RVT Group, you are choosing to work with a sustainable and reliable supply chain partner, who will deliver superior equipment, exceptional expertise and outstanding service.

- ✓ Hazard control solutions that are fully compliant with legislation
- ✓ Best practice advice from highly experienced and qualified consultants
- ✓ High quality, robust and reliable equipment
- ✓ Next day delivery and installation service available
- ✓ Responsive customer service and access to technical support
- ✓ Your project remains on track and within budget
- ✓ Most importantly, people remain safe and healthy

RVT Group is an ethical company that genuinely cares for people's lives, and it is our vision to achieve a world where the impact of site work on life and health is effectively zero.

If you would like to discuss a project, please call us on 0808 178 3286.

For product information or best practice papers, please visit www.rvtgroup.co.uk.

Trusted by

 babcock™

 bam

 Barhale

 GallifordTry plc

 KIER

 SKANSKA

Testimonials

"Since having the Dustex Raptors in place we have had no comments regarding the leakage of dust into clinical areas. It has also helped to keep a cleaner working environment for our operatives"

Site manager for Kier Construction during redevelopment works at Royal Sussex County Hospital

"Interserve are the Trust's Principal Supply Chain Partner and have used RVT on site for a number of years to ensure compliance with Infection Control in the Built Environment"

Paula Atkin, Interserve, South Tees Hospitals
NHS Foundation Trust



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