

# Case Study

## Orange Fire - Mental Health Hospital



**City**  
Bexhill-on-Sea

**Year of construction**  
2024

**Client**  
Orange Fire Protection Group

**Products**  
Prevent Systems Mist Nozzles

### Background

IPS Flow Systems proudly supports Orange Fire Protection Group, one of our valued customers, by supplying them with high-quality products for a wide range of fire suppression projects. For this particular venture, KIER Group engaged Orange Fire Protection Group to deliver a fire suppression solution for a £60m state-of-the-art mental health hospital in Bexhill-on-Sea. This landmark project aims to create a safe, supportive environment for patients and staff.

### Challenge

The initial project specifications required a high-pressure water mist system. However, Orange Fire Protection Group faced challenges in meeting the project's unique requirements, including the need for a deluge system in certain parts of the hospital. These challenges called for innovative solutions and reliable products to ensure the success of the fire suppression system.

### Solution

As a trusted supplier to Orange Fire Protection Group, IPS Flow Systems provided key products from the Prevent Systems low-pressure water mist range, which offered:

1. Proven Reliability: Prevent water mist nozzles are renowned for their rigorous testing and long-standing track record of performance, making them the ideal choice for the project.
2. Flexibility and Cost-Efficiency: The low-pressure water mist system offered Orange Fire Protection Group a more adaptable and cost-effective alternative to high-pressure systems.
3. Technical Support: Leveraging third-party certification for the design and installation, IPS Flow Systems provided expert guidance and ensured that Orange Fire Protection Group had access to the best tools and information to meet the project requirements.

When the need for a deluge system arose, Erling Mengshoel and his team from Prevent Systems worked closely with IPS Flow Systems and Orange Fire Protection Group to create a bespoke solution for the end user, ensuring all safety and compliance standards were met.

### Outcome

With IPS Flow Systems' products and technical support, Orange Fire Protection Group successfully delivered a fire suppression system tailored to the hospital's needs. The benefits included:

- Enhanced safety and reliability with Prevent's low-pressure water mist solution.
- A cost-effective and adaptable system designed to meet the hospital's unique challenges.
- Seamless collaboration between Orange Fire Protection Group, Prevent Systems, and IPS Flow Systems to achieve project success.

This project highlights the importance of quality products and strong partnerships in overcoming challenges and delivering outstanding results.

