swansea university case study

Swansea University
Prifysgol Abertawe

FutureVisuals

executive summary



This education model is at the forefront of SUSIM, the University's ground breaking simulation and immersive learning program.

The former Haldane building on the Singleton campus has been transformed into a pioneering centre featuring eight immersive simulation suites, with three more under development at the University’s St David’s Park campus in Carmarthen.

Directing the SUSIM project is Professor Jo Davies, Director of Simulation Education for the Faculty of Medicine, Health and Life Sciences. She states that students across healthcare courses will benefit from highly realistic scenarios and hands-on learning opportunities.

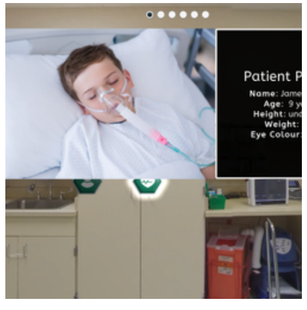
Building on Swansea University’s excellence in teaching and research, the vision for SUSIM is to deliver world-class simulation-based education, innovation and research in this rapidly expanding field.

The immersive suites build on successes in simulated patient resources and emerging extended realities, supported by a highly skilled technical team led by Mark Hughes. The work is gaining recognition worldwide, and the SUSIM team will present at upcoming international simulation and healthcare education conferences.
Using immersive spaces will bring more opportunities to collaborate with global leaders in simulation, advancing significant developments in learning and training safer, more skilled healthcare teams.

goals & objectives







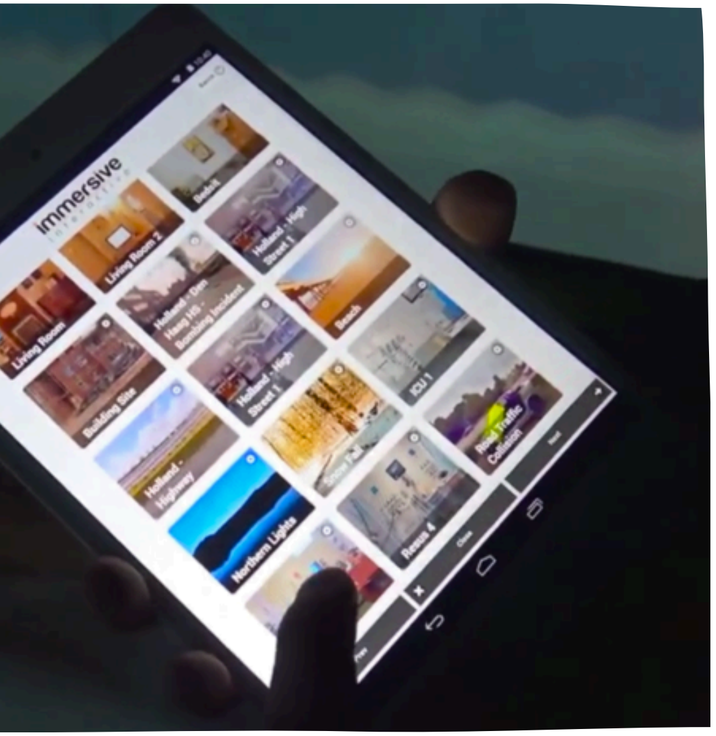
The primary objective of this project was to create a world-leading immersive simulation environment at Swansea University, designed to transform healthcare education, enhance practical learning and prepare the next generation of healthcare professionals through realistic, hands-on experiences.

Working closely with Swansea University, we aimed to develop a state-of-the-art simulation facility that would:

- Create highly realistic immersive training environments that allow students to practise clinical scenarios in a safe and controlled setting.
- Support collaborative learning across healthcare disciplines, enabling students to train together and develop essential teamwork skills.
- Provide flexible simulation spaces that can adapt to a wide range of healthcare education, research and training requirements.
- Enhance learning outcomes through immersive technology, enabling students to build confidence, improve decision-making and develop practical skills.
- Deliver one of the world’s largest installations of immersive simulation suites, establishing Swansea University as a leader in simulation-based healthcare education.
- Support future innovation and research by providing a platform for collaboration with healthcare partners, educators and global simulation networks.

The completed SUSIM facility provides Swansea University with a pioneering immersive learning environment, combining advanced technology, expert teaching and realistic clinical experiences to support the development of safer, more skilled healthcare teams.

definition & scope





PHASE 1

Design & Planning

Worked closely with Swansea University to design a world-class immersive simulation facility, developing flexible teaching spaces that support healthcare education, interdisciplinary training and future expansion.

PHASE 2

Technology Installation

Delivered one of the world's largest immersive simulation installations, equipping eight state-of-the-art simulation suites with advanced immersive technology to create realistic, interactive healthcare training environments.

PHASE 3

Education & Innovation

Created a future-ready learning platform that enables realistic clinical simulations, collaborative training and ongoing research, supporting the University's vision for world-leading healthcare education and innovation.

The vision to lead advancements in immersive learning has been strongly supported by University leadership, aiming to address the growing complexities of healthcare training. I look forward to working with our excellent faculty, students and partners as SUSIM comes to fruition...

...The facilities allow students to train together in one of the world's largest installations of immersive simulation suites, supported by expert faculty focused on healthcare education for patients, families and communities.

Professor Jo Davies | Director of Simulation Education, Faculty of Medicine, Health and Life Sciences

Shape the Future of Healthcare Training.

Empower students and professionals with immersive environments designed to improve training, collaboration and real-world outcomes.

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