



Igloo for Education

Enhancing the curriculum
with outstanding innovative
spaces for learning

Why Igloo shared immersive spaces?

Educators do incredible things with shared immersive technology

Igloo makes it easy for educators to transform any subject matter with immersive learning – you can take students on virtual field trips, train vocational skills in authentic workplace settings, work with 3D modelling tools, 360° video, game design and much, much more.

At the heart of every Igloo solution is our proprietary software, Igloo Core Engine. It's an operating system for immersive spaces which makes it easy to prepare, configure, and deliver immersive teaching.

Any kind of digital content can be shared with whole groups in an Igloo space, and educators can seamlessly switch between immersive content and the standard 2D presentation and collaboration tools they already use.



Your Igloo immersive classroom will provide instant access to all available immersive content on the web. We also work with a sector-leading range of immersive and 360° content and software providers, and their solutions work seamlessly with Igloo Core Engine.

Uses across the curriculum and beyond

Igloo immersive spaces can be used to teach any subject and any course. They're also ideal for learning a variety of skills, both for digital and real-world applications.

Thanks to Igloo's infinite flexibility, one immersive space could be used across a whole range of subjects, by a whole host of different staff and students.

As an example, some of our schools and university clients use Igloo for:

Virtual Field Trips



Science & Technology



Engineering



Game Design



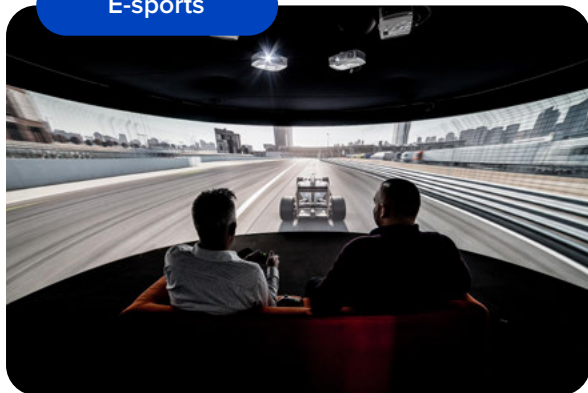
Health & Social Care



Digital



E-sports



Arts & Cultural



Early Years Education

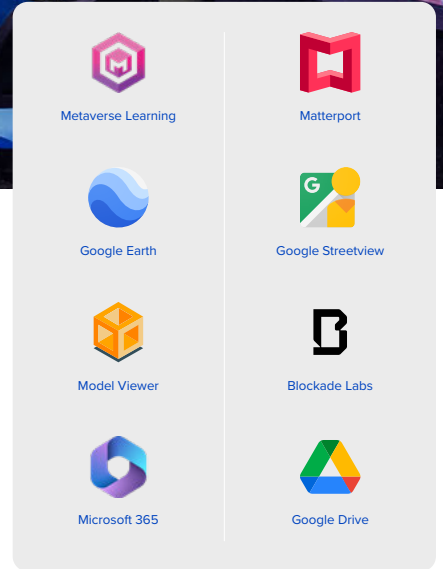


A wide range of use cases

Igloo Core Engine has been designed to be content agnostic, meaning that it works with virtually all the digital tools you already use. This flexibility is what sets Igloo apart and creates infinite use cases.

Educators around the world have used Igloo immersive technology for a variety of exciting use cases, including:

- Taking breathtaking virtual field trips with Google Earth and Streetview
- Capturing students' imagination by examining models in detail with our built-in Model Viewer application
- Simulating the real-world environments that students will one day work in
- Exploring infinite possibilities with generative AI through Blockade Labs
- Familiarizing students with the digital tools they'll use in the workplace
- And much, much more



Case study

Mid Sweden University

Simulating crisis situations using Shared VR

Mid Sweden University is a state university which, as its name suggests, is located in the geographic centre of Sweden.

One of its best-regarded departments is the Risk and Crisis Research Centre, which aims to get a deep understanding of how people react to crises. And, as well as bringing together academics from several disciplines, it has partnerships with several of Sweden's largest companies.

Igloo was asked to help build the new Risk and Crisis Lab, a 40-square-metre facility, which combines a wide range of simulation systems and allows for researchers to judge people's reactions to them through, for example, eye tracking, sound recording, and physiological monitoring.

The Igloo has been used for crisis simulation, including a scenario involving a shopping centre full of customers constructed in a virtual reality software program and streamed in real-time to the RCR Lab simulation room, enabling an artificial yet highly immersive 360° environment.



The custom-made surround sound, stage lighting, floor vibration and smoke added to the authenticity of the simulation. And to round it all off, the simulation incorporated furnishings and extras acting as distressed customers.



Case study

Sunderland College

Broadening student experiences through immersive technology

Sunderland College is part of **Education Partnership North East**, one of the largest college groups nationally, and prides itself on offering world-class, impactful learning experiences for its students.

We worked closely with college leaders to guide the digital transformation and integrate a custom, fully immersive, 7-metre cylinder with full-floor projection at the heart of its newly installed world-class Innovation Space.

The space provides Shared VR environments for students studying a range of vocational subjects, including health and social care, construction, engineering and game design. It also supports the delivery of digitally informed therapies for young people with special educational needs and disabilities.

Because of the fully immersive 360° experience, the college can replicate the real-world and beyond. Students can experience high-risk scenarios in a risk-free way. From being able to visit an offshore oil rig, to a skyscraper in Dubai – students are immersed in new and engaging locations that they otherwise couldn't experience.

Case study

Centennial School of Lehigh University

An Immersive Learning Center for tailored education and teacher training

Centennial School of Lehigh University uses Igloo technology in its Immersive Learning Center (ILC), a cutting-edge learning environment for students with special educational needs. Located in Bethlehem, Pennsylvania, Centennial School is a Special Education Day School licensed to provide educational services to students with emotional disturbance and autism between the ages of 6 to 21.

Centennial School makes daily use of the system, both as a space for teaching students and providing training to the teachers learning best practices in education. Graduate and undergraduate students from select classes at Lehigh University also experience content in the ILC as part of their coursework.



Use cases include:

- Immersive learning
- Field trips and background context
- Physical education
- Teacher training



Case study

Richardson Independent School District

How Shared VR is transporting students on virtual field trips

Richardson Independent School prides itself on preparing students for tomorrow. From an early age, it commits to embedding STEM concepts and experiences in their learning journey.

It planned to build a brand-new STEM Exploration Center, including a new STEM Immersion Studio equipped with a fully immersive chamber with multiple projectors creating a seamless, 360° experience.

The Igloo tech-powered Immersion Studio creates a 360° Shared Virtual Reality experience for students. Students can go on virtual field trips to explore landmarks and landscapes across the globe. They can go deep-sea diving and marvel at the depths of the ocean. Or they can experience piloting an airplane or space shuttle as they step inside its cockpit – to name just a few examples.

Case study

University of Adelaide

Using immersive tech for state-of-the-art medical education and remote learning

Based in Australia, the [University of Adelaide's](#) Faculty of Health and Medical Sciences is a renowned world leader in health education and research. It features the most technologically advanced simulation facility in Australasia, so it can offer learning opportunities and hands-on experience for its medical students.

The Igloo-powered Immersion Room offers a range of benefits. It can fit large groups of students, and crucially, can be used for remote teaching too. By being able to capture and play 360° film from anywhere, students can be transported to faraway healthcare facilities. Or, they can follow a medical procedure from the patient giving consent to the follow-up in the 360° environment. Furthermore, immersive experiences offer possibilities for empathy-building, such as a dementia experience following the journey of patients dealing with the condition.



What makes Igloo different

In our 15+ year history, we've seen plenty of immersive room providers come and go. One reason Igloo stands out is because we work with so many different industries to create industry-standard technologies which can be used for many different purposes.

Here are six things we believe make Igloo different.



Uses across the entire curriculum

The Igloo mantra is any content, in any format, from any source. Meaning Igloo can be used to teach any topic, in any subject, for any course.



Easy to use

Igloo Core Engine was built with the needs of an everyday user of digital content in mind, educators quickly feel comfortable preparing and delivering immersive lessons, and we offer a range of different interfaces which can be controlled using a tablet, keyboard and mouse, games controller, or touchscreen.



Robust and education ready

With an Igloo space, all the functionality is handled by one box, running one stable, easy-to-use platform, so it's easy to fit into the IT infrastructure of a large education institution.



Fit for purpose

Our technology is created specifically to power shared immersive spaces. So, our spaces are practical, impactful, and usable.



True to life

A real Igloo strength is True Perspective, our solution to the distortion you can get on other immersive screens. True Perspective does the hard work of formatting your content to the screen, saving you time and a serious headache.



A suite of structures

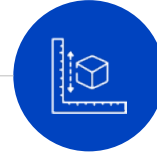
We offer a wide range of immersive spaces, and our cylinders and cubes tend to be the quickest, cleanest, easiest way to install an immersive space.

How do we work with you to deliver your space?

We work with you from concept to delivery and beyond - ensuring you get the right space with the right technology, so you can get the most out of your investment.



01



Consult

We work closely with you and your teams to determine the ideal space and suitable system for your needs

02



Create

Our proposal encapsulates the use cases you require and the details of what is included to help you achieve that vision

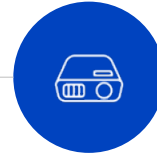
03



Deliver

Our team of Igloo experts arrive on site to deliver a seamless install and to train the staff for use of the system

04



Support

After the install, our work doesn't stop there. Our team offer the ongoing support and guidance needed to run a successful immersive space

A range of structures

You could choose an off-the-shelf structure, come to us for a custom build, or ask us about transforming an existing room.



Igloo Cylinders

One of our most popular products, the cylinder, comes in a range of sizes to suit any need. More-and-more clients are opting for cylinders with floor projection to heighten the immersion.



Igloo Immersive Rooms

Transform meeting rooms and classrooms by equipping any room, either by installing a new one or retrofitting an existing one, with Igloo technology.



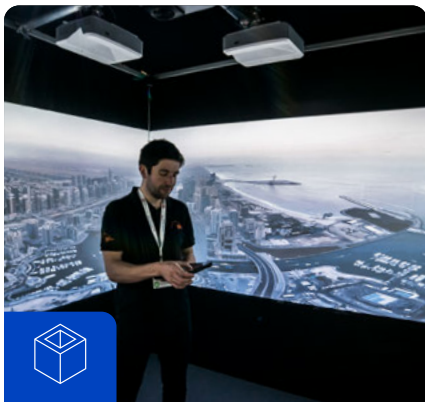
Igloo Link

Igloo Link is our modular immersive system that is scalable and can be built quickly and easily.



Igloo CAVEs

Sophisticated, permanent installations complete with 3D, floor, and rear-projection for the ultimate shared immersive experience.



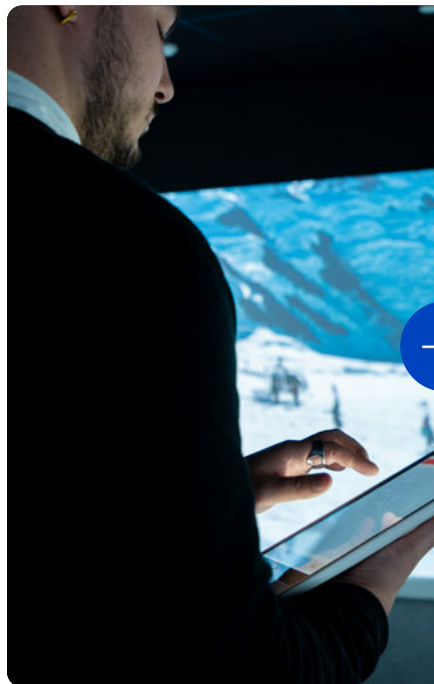
Igloo Cubes

Super-flexible, go-anywhere, off-the-shelf solutions that can act as mobile pop-up spaces or become permanent installations.



Screens and LEDs

As well as fully-immersive spaces, our software can be used for conventional displays, such as power walls, LED screens, monitors, or clusters of screens - giving you a super-flexible way to handle all of your content



Build your own

Our easy-to-use software, Igloo Core Engine, can be used by clients and integrators alike to build your own immersive spaces and large-format displays.

Not sure about our range of products? Why not commission a fully customisable, bespoke solution to suit your needs. Igloo Core Engine makes it easy to install, operate, and benefit from shared immersive spaces.

Support every step of the way

From planning and logistics, through to setup, training, and ongoing support – we ensure that your teams are confident with every aspect of your immersive space.

“

What makes me most proud that we have an Igloo system in our school is that we know that when our students are engaged, they want to come to school. When they want to come to school, they're learning, they're invested in the process, and that's exactly the kind of learning environment that we want to create for them.”

Dr. Sara Heintzelman
Technology Integrations Specialist
Centennial School of Lehigh University



And, our customer success team provides support, advice, and training to help clients get the most from their Igloo investment. Igloo can also provide:

- Guidance on how to find, create, and purchase relevant content
- Expert advice on how immersive technology is being used by other educators
- Introductions to schools and other colleges who have faced similar challenges – and overcome them
- Graphic design for custom covers and home screens
- Access to our Discord community where members share ideas and best practice
- Expert advice on content for your platform and the best immersive content sources



For more information

Visit us at: www.edutech.com

Email us on: enquiry@edutech.com

