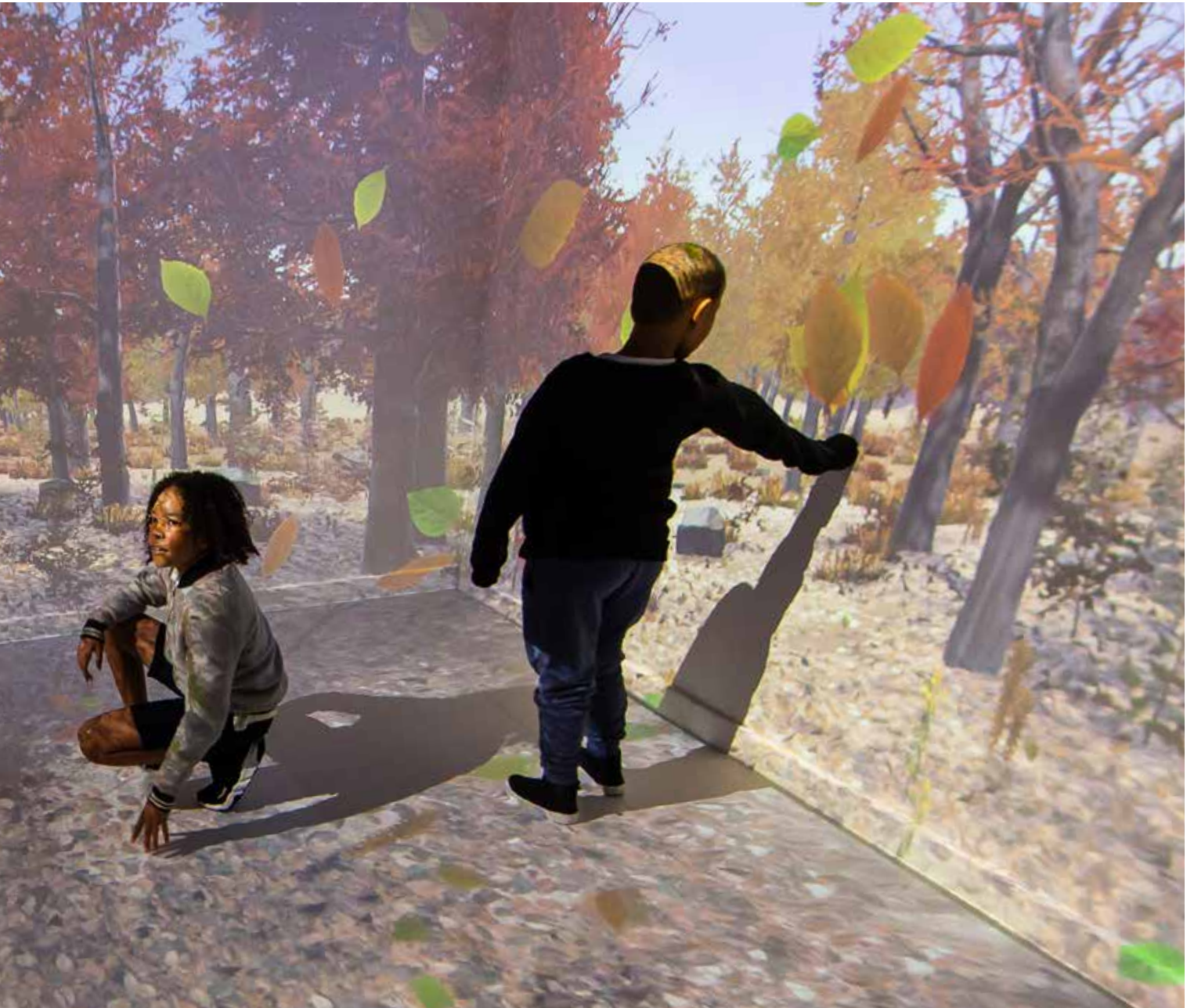


Immersive experiences for special needs education

Virtual Reality without the headset



experia
multisensory for everyone

What is Immersive Technology?

Immersive technology combines imagination and real life. It provides a gateway for interaction between physical and digital environments.

At Immersive Reality, we have harnessed the power of Virtual Reality (VR), without the headset. We know headsets are not appropriate for all users and we believe in accessibility for all.

We have used our extensive experience to develop a shared space, where multiple people can discover together and engage with a world beyond the restrictions of the room.



VR REIMAGINED

Collaboration

We work directly with you to understand the needs of your users.

The Immersive Reality platform is a groundbreaking resource created through our extensive research and development programme.

We use state of the art technology, combined with comprehensive training and support, to provide a multimedia, interactive platform to engage with pupils of all abilities.

Our spaces use the latest Laser projection technology to provide a full 360° experience that is further enhanced with a fully integrated floor.

We have developed a variety of user interfaces and controllers, as we recognise the needs of all our users. Including the incredible adaptive controller from Microsoft, in addition to other touch, gesture and sensory IRIS™ products. Full Hifi audio further enhances the ability of the platform.

We create fully immersive and interactive experiences, by combining stunning 360° content, in the form of pictures, HD Video and incredible Computer Generated Images (CGI). These environments captivate all our users and really deliver our goal of being inclusive for all.

Dynamic and Versatile

By combining the classroom, sensory room and therapy suite into one inclusive environment, we provide fully immersive realities for people with additional needs.

We know VR headsets may isolate and unnerve users and that is why we use projection technology, to ensure accessibility for all. Students and teachers can encounter these experiences together, creating unique opportunities for group participation and social interaction.

Immersive Reality spaces allow pupils with special needs to develop key skills and encourage independence. They provide opportunity and adventures to worlds they may never encounter in real life.

Simulation experiences enable students to practice everyday tasks, processes and events in a safe, guided environment, building confidence at every stage.

Anyone can thrive in an Immersive Reality space. With a wide range of activities available, including paragliding, horse riding and scuba diving, our platforms are designed to attract all students, who won't be restricted by any physical mobility limitations.

It is also a space where pupils can go to self regulate, calm down, and return to class with a new sense of self awareness and control.





Flexibility

Immersive Reality is a shared, collaborative environment, designed to support education, therapy and re-regulation.

1

Special needs

A flexible, dynamic and immersive space accessible for all users.

2

Education

A new dimension to interactive learning unlike any other.

3

Therapy

Specifically designed content to aid development as well as re-regulation.

4

Versatile

All of the above at the touch of a button.

5

Ease of use

With a variety of controllers giving accessibility to all.

Inspired Learning

Immersive Reality is taking education to new heights.

Our superb spaces immerse students in situations and scenes that help them to understand and engage with the subject or life skill being taught, without the need to leave the room.

Teachers can now capture the attention of their students like never before. Pupils will be actively involved in their learning, at any level, in an exciting and fun way.

Pupils are immersed in a wealth of high-quality content and activities that will enhance their education and experience, whatever their age or ability.



INSPIRED

KEY LIFE SKILLS



Key Life Skills

Immersive Reality provides an inspirational space, specifically designed to motivate and assist in the development of key skills.

Our superb content is both spectacular and enjoyable and will engage students as they develop:

1

Hand to eye coordination

2

Cause and effect

3

Colour recognition

4

Shape recognition

5

Group participation

6

Social interaction

Real-life Situations

Simulations provide a safe environment for pupils to practice real-life situations.

- Take the London Underground and navigate tunnels, use the escalators and even the ticket machine.
- Visit the supermarket to collect items on your shopping list - don't forget to pay before you leave.
- Board a bus, show your ticket and disembark at whichever location you choose.
- Fly away on an aircraft and enjoy the take-off.
- Our list of simulations is always expanding.



SIMULATION

ACCESSIBLE

Accessible for All

We believe that anyone, regardless of ability, should be able to interact with an Immersive Reality space. We have worked with sensory specialists and harnessed hardware from Microsoft, to ensure we deliver this.

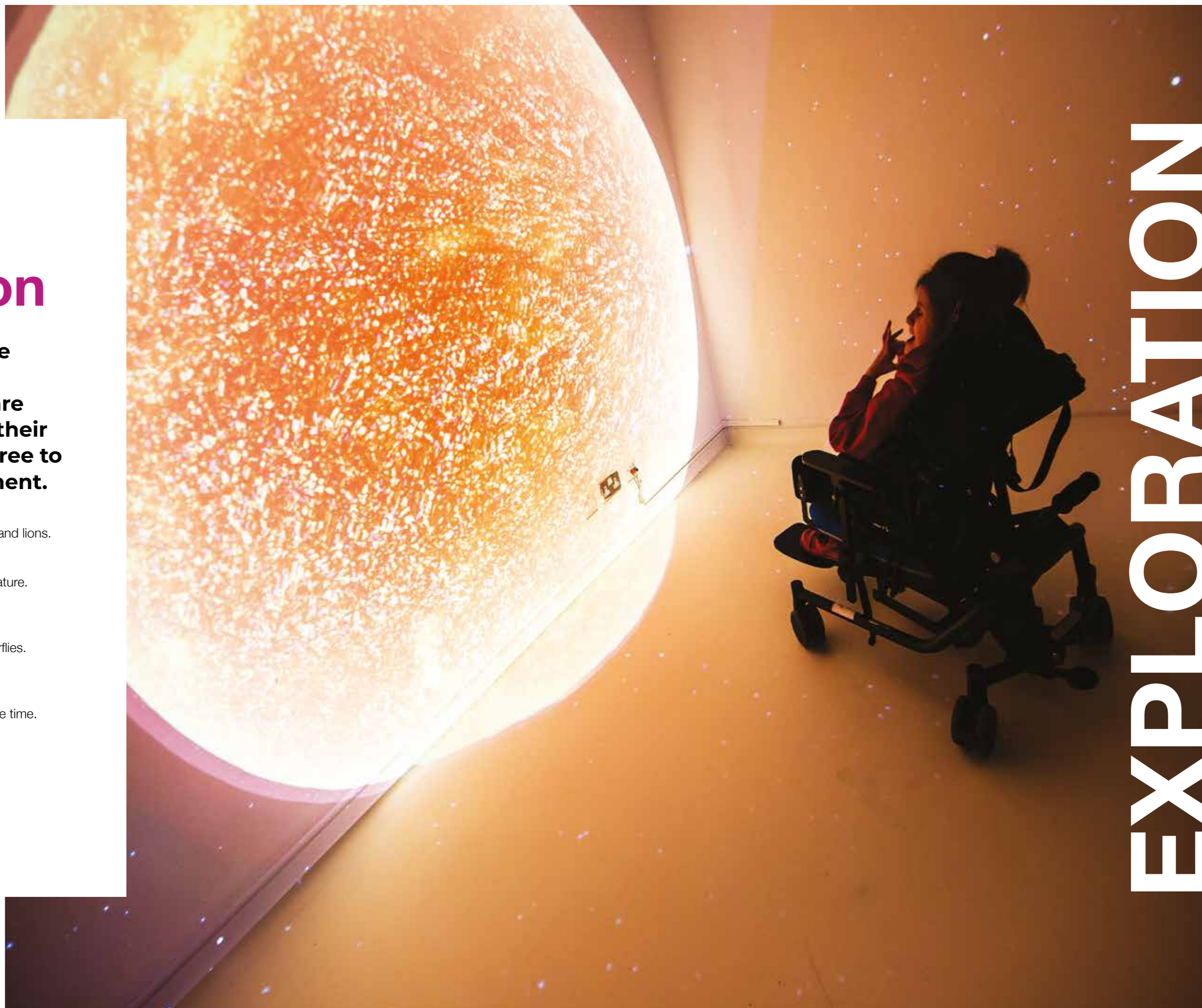
The most inspiring, interactive, calming and educational therapy room ever!

- Controlled by movement, touch, gesture and sound.
- Almost any switch can be connected including the user's favourite switch.
- Develop the user's abilities through the use of bespoke switches.
- Work as a team using multiple switches together to develop group participation, turn taking and social interaction skills.
- Enable those with limited skills to control superb content.

Exploration

Immersive Reality is the perfect space for safe exploration. Students are in complete control of their surroundings and are free to roam in a CGI environment.

- Visit the plains of Africa and see elephants and lions.
- Learn about the animals at the farm.
- Wander through a woodland and relax in nature.
- Explore the arctic and discover the animals that call it home.
- Relax in a calming meadow amongst butterflies.
- Enter the Viking village and discover its sights and sounds.
- More exploration scenes being added all the time.



EXPLORATION

EXPERIENCE



Experience is the Best Teacher

An Immersive Reality Space breaks down barriers, making almost any experience possible.

- Experience the freedom of flying from a bird's eye view.
- Take a zip wire ride above the trees in Costa Rica.
- Go paragliding and glide over the sea.
- Take an exhilarating rib ride through the fjords.
- See Christmas in London from a taxi and listen to the Christmas music.
- More experience scenes being added all the time.

360° CONTENT



360° Environments

1

CGI - Exploration Environments

Amazing computer-generated 360° worlds that can be explored by users. They are unlike any other immersive experience.

2

CGI - Interactive Scenes

Stunning computer-generated 360° scenes that allow us to create interactive user experiences.

3

360° HD Video

Incredible high definition 360° video that wraps around the room, creating an extraordinary experience.

4

360° HD Images

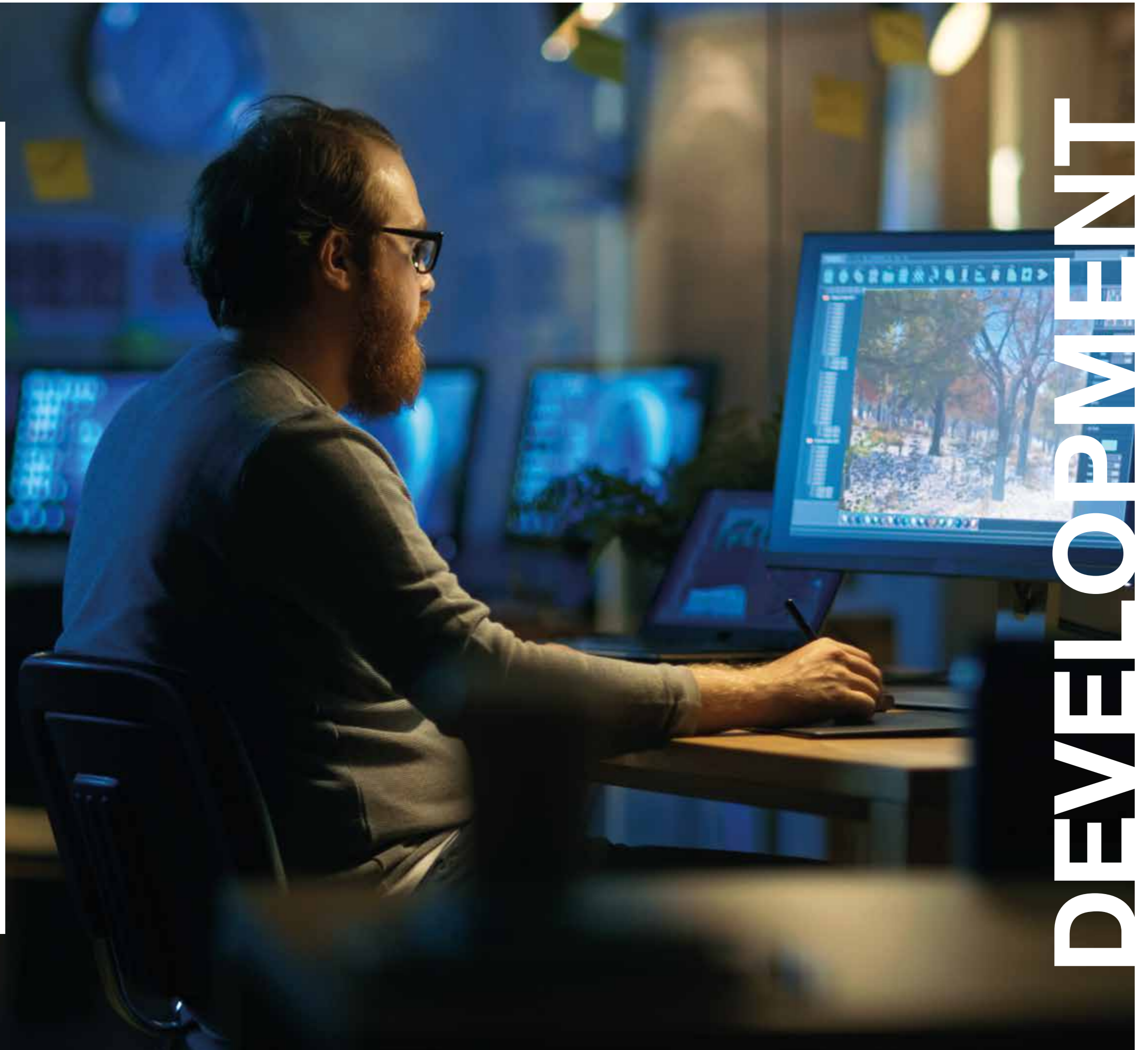
Superb high definition 360° images wrap around the room, creating the feeling that you are really there.

Continuous Content Development

Our team of content creators continuously work hard to develop exciting new scenes for all users to enjoy.

From CGI environments explaining the digestive system, to 360° HD videos on rollercoasters and images of key locations around the world; we have a wide range of scenes for users to enjoy. We look forward to adding to these from a long list of future projects.

If you have any specific scene requirements, we would be delighted to help you achieve your visions and goals.



DEVELOPMENT

Intuitive User Control

Shared collaborative spaces that are accessible to all regardless of age or ability.

Our system has been designed to be extremely intuitive, so users can choose either to sit in the room and simply watch, or alternatively choose to take part in the range of activities on offer.

We believe that anyone, regardless of ability, should be able to interact within an Immersive Reality space, and we have harnessed hardware from Microsoft and sensory specialists to deliver this.

We have designed the platform to be easy to operate for both users and staff alike.

Scenes are chosen from a wireless tablet by simply pressing a button!

Intelligent Interfaces

We have developed a range of innovative solutions to allow users to engage with the system through touch sensitive walls, full interactive floor and gesture control.

Our mission is to continually develop new and exciting ways to interact with the content.

1

Walls

Multi-touch walls that react to hands, arms or feet.

2

Floor

The full floor space reacts to movement, be it a foot or an entire body.

3

Gesture

Move your hand or arm in mid-air to control aspects of specific scenes.



INTELLIGENT

CONTROLLERS



Controllers

Our system is compatible with a number of readily-available wireless controllers:

1

Xbox Wireless Controller

Familiar to most teenagers, this device allows the user to discover huge explorable environments.

2

Xbox Adaptive Controller

Specifically designed for people with special needs, this product allows anyone to access our system in their most comfortable way. Any switch can be connected to the versatile unit - blow switch, touch switch or head tilt switch, to name but a few.

3

IRiS Colour Selector

Another unit developed for people with additional needs and found in sensory rooms worldwide, this hard-wearing unit features eight brightly coloured buttons and allows for any number of remote switches to be connected.

4

IRiS Qube

Devised for people with special needs and found in sensory rooms worldwide, this soft foam cube is rotated to allow the user to choose within specific scenes.

What do I get?

A fully immersive and interactive platform includes:

1

Content

- CGI - Explorative environments for discovery and learning.
- CGI - Interactive scenes to develop key life skills.
- 360° HD Video - Stunning videos from around the world and beyond.
- 360° HD Images - Fantastic pictures to inspire and calm.

2

Software

- Bespoke software - Designed and developed by a dedicated inhouse team.
- Intuitive User Control - Fully accessible for all users through innovative interfaces.
- User Interface - Simple and easy to use.

3

Hardware

- Laser Projectors - Low maintenance, HD projection.
- Full Audio - Fantastic stereo sound to support projection.
- Special Effects - Visual, Auditory, Olfactory, Vibration.

4

Personalised

Let our specialist team create specific content for you. You suggest the scenes and we will make them reality. Whether you wish to explore your local environment or have a particular picture in mind, we will develop and produce your tailored content. All the benefits of personalised content, created for you.



PRODUCT

NEXT STEPS



Next Steps

Never before has something so technically complex and inspirational been so easy to use.

Specify

Our experts can provide advice on room location and size, and specify the equipment required.

Space

An Immersive Reality space will fit into almost any room. We can provide a 3D walkthrough, so you can envisage your space prior to ordering.

Installation

Installation of an Immersive Reality space is completed by highly skilled engineers to ensure we meet your specific requirements.

Training

An Immersive Reality space is incredibly easy to use. Our team will train your staff to use the system confidently.

Ongoing Support

Once your room is installed, we will continue to support you to ensure that you get the very best from your investment.

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