

# Interactive Turtle Sense

Fact Sheet



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## Attract and engage visitors with a custom Virtual Reality exhibit

The **Sea Turtle Journey** VR exhibit teaches visitors about the sea turtle's senses and how they relate to the migration patterns and pelagic journey. Using the specially designed head (which houses the VR equipment) visitors would experience the world from a sea turtle's perspective, moving the head left or right to navigate.

The VR journey would take visitors through hatching as a sea turtle on the beach to exploring areas of the ocean such as the Gulf Stream and Sargasso Sea. Visitors would also make choices about whether and where to find food, keep traveling on a current or seek out a mate. Feedback embedded in the virtual experience will allow visitors to learn important aspects of the sea turtle's life including migratory patterns, how they navigate and where they are most in danger from predators.

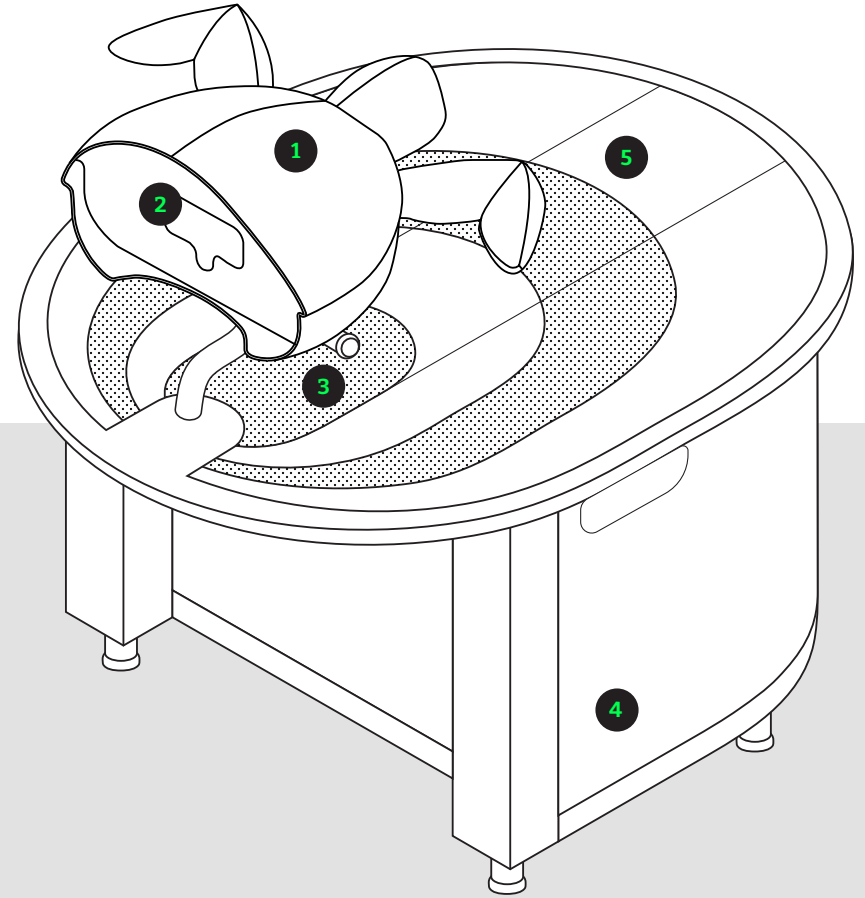
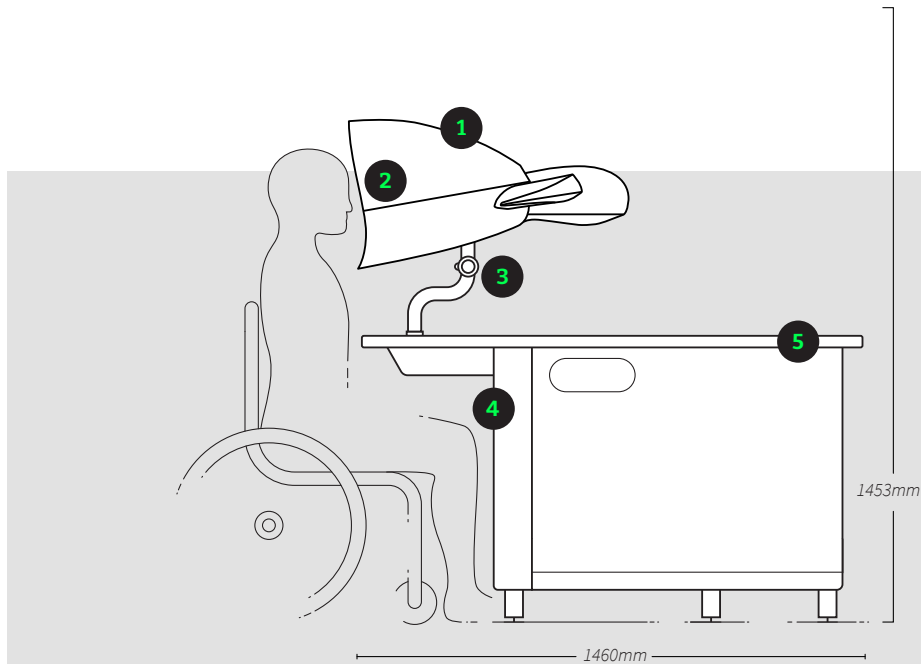
The table top of the exhibit will also display a map with the migratory paths sea turtles follow. Embedded lights along those paths will give other visitors standing next to it clues as to the user's journey while also informing them of what they can expect to experience in the exhibit.

For younger visitors, a predetermined path can be programmed which would give them an immersive experience while still ensuring learning outcomes are achieved.



# The Turtle Senses VR Exhibit

The **virtual reality exhibit** is a free-standing and self-contained unit consisting of a swivel-mounted stylised prop head (which holds the VR head mounted display unit and other sensory technology) connected to a durable cabinet (housing all technical components) with an interactive graphic table-top. Designed for high-traffic museum and exhibition environments, the virtual reality and sensory exhibit is built for durability and is both child and wheelchair friendly.



01\_ Turtle Head

02\_ VR Eyepiece

03\_ Rotating Handlebar

04\_ Cabinet

05\_ Graphic Table Top

# Bespoke solutions fully customisable to your requirements

Other options for a customised VR exhibit experience include navigating the South American rainforests as a bat, spotting prey from great heights as one of the birds of prey or even navigating a robot on Mars to explore the planet. Our team will be able to work with you to create the best solution for your space.



## HEAD DESIGN

Our product design specialists can custom build a head to house the virtual reality goggles that matches both the design of your centre as well as the virtual reality experience created for the exhibit.



## VIRTUAL REALITY EXPERIENCE

Our specialist team of experience designers can work together with you to create a custom 3D virtual reality environment that meets the needs and learning outcomes required for your museum, aquarium, zoo or visitor centre.



## TABLE-TOP GRAPHIC DESIGN

The interactive features as well as the graphic design of the table top can be custom designed by our exhibit design specialists to match your centre as well as the virtual reality experience.

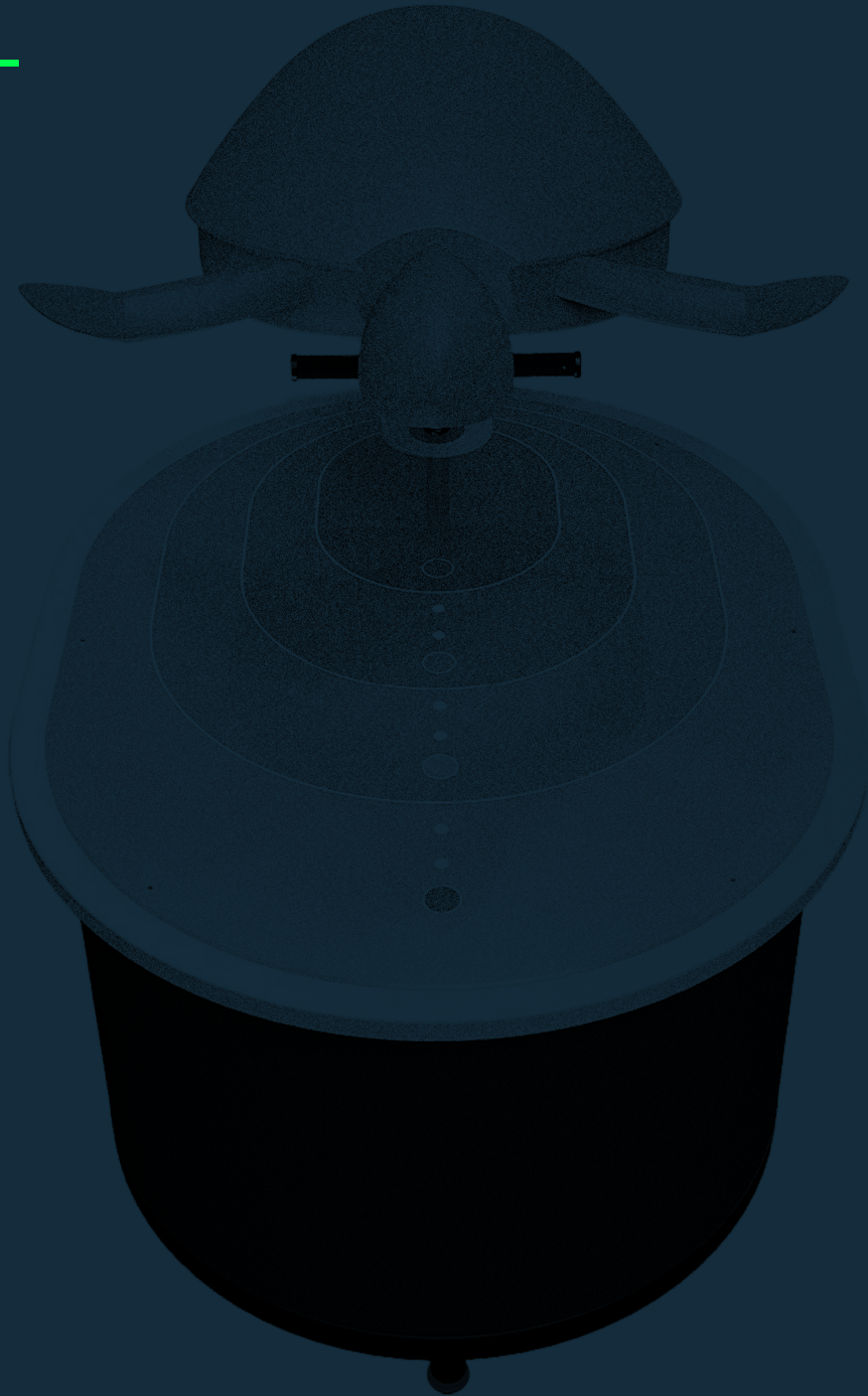


## LANGUAGE

The language in which the content is presented, in both voice over and text, can be customised to your needs. More than one language can be used in a single exhibit allowing users to choose for themselves.



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is another proof that we not only match  
international standards, we often  
**exceed them.**

**Prof. Peter Zec**

*Founder of Red Dot*

# Turtle Sense Details

## Experience Details

+ Inclusive Design	Wheel chair friendly Audio-visual redundancy
+ Learning Outcomes	How turtles use their senses and how it relates to their migration patterns.
+ Target and Age Group	Children (7+) and Adults
+ Reading Level	Reading not essential Voice over for all critical messages
+ Duration / Interaction	5-10 minutes per visitor User experience varies for repeat play
+ Languages	Caters for two languages Custom language at additional cost

## Technical Facts

+ Installation requirements	Plug and play
+ 4D Output	3D VR experience Audio Vibration Wind/smell
+ Environment	Dry indoor space
+ Other Features	Lockable service hatch



# Standard Specifications

## Physical Unit Contact us for more information on shipping weight and dimensions.

+ Exhibit Weight	125kg
+ Shipping Weight	190kg (shipped in parts)
+ Dimensions <small>Assembled (mm)</small>	1460 x 1100 (floor) x 1453mm(h)
+ Shipping Dimensions	1460 x 1100 (floor) x 1453mm(h)
+ Materials	Epoxy Coated Galvanised Steel, Low Emission Polyester Resin, Fibreglass, Plexiglass, Corian, MDF (sealed and painted), Marine Grade Plywood (sealed and painted), Nylon, Vulcanised Rubber
+ Environment	Dry indoor space

## Technology The unit is shipped with a control monitor built into the cabinet.

+ Components	VR headset, Power management system, Electronic control system for peripherals, UX sense peripherals (LED lighting, Fan, Vibration motors), On-board sound system for audience participation
+ Power Requirements	220v / 11v AC input with on board power management system
+ Networking	Secure internal Wi-Fi system for peripherals control, CAT6 wired connection to internet for remote access (site specific)

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