

Risk Assessment	Live 9 Events Ltd
Activity	Surf Simulator <i>This risk assessment applies to surf and snowboard simulators, including mechanical ride units designed to simulate wave or snow-based movement.</i>

Assessor	Molly Huthwaite	Location of Assessment	NG12 3UL
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Risk Rating Matrix (RR)	Likelihood (L)		
	Certain or near certain to occur (High)	Reasonably likely to occur (Medium)	Unlikely to occur (Low)
Fatality; major injury or illness causing long term disability (High)	HIGH (H)	HIGH (H)	MEDIUM (M)
Injury or illness causing short term disability (Medium)	HIGH (H)	MEDIUM (M)	LOW (L)
Other Injury or illness (Low)	MEDIUM (M)	LOW (L)	LOW (L)

Hazards	Who is at risk?	Controls in place	L	S	RR
Loading, handling and transportation of equipment (Injuries caused by: heavy lifting, unacceptable access)	<ul style="list-style-type: none"> Customers Public Employees/Staff 	<ul style="list-style-type: none"> All equipment must be handled correctly in line with manual handling. Only our staff should move the equipment. Manual handling should be reduced to a minimum by using the trolleys. Ramps & lifts to be used where required and available. All loads must be properly secured. Where required, multiple persons must handle equipment. Individuals should not undertake anything that puts themselves or anyone else at risk. Manual handling training is supplied to all staff annually. Under no circumstances shall anyone but our staff transport equipment. 	L	M	Low
Installation of equipment on site (Injury caused by: debris, tripping over equipment, related injury)	<ul style="list-style-type: none"> Customers Public Employees/Staff 	<ul style="list-style-type: none"> The operator must have clear access to the setup area. The setup area must be level and free from any rubbish, debris and sharp objects, etc. The equipment must be inspected before, during and after installation to ensure it is free from damage. Once installed, the item should not be moved by any unauthorised persons. The equipment should be set up away from any entrances or exits, ensuring it does not block any fire exits. 	L	M	Low

		<ul style="list-style-type: none"> • Always follow the manufacturer's instructions for setup and break down • Any spare equipment must be tidied away and put in a safe place. 			
Electricity & cabling (Injuries caused by: trips, power cut-outs)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Cabling must be routed away from walkways and protected where necessary. • Equipment must be PAT tested and visually inspected, with any defects removed from use until repaired. 	L	M	Low
Operation of equipment on site (Injuries caused by: overcrowding of the area, lack of supervision, not following operating rules)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Always follow the user limitations for the item. • Participants are to queue in front of the equipment in view of the operator, who will control the queue. • Participants are not to overcrowd the area and keep a clear space around the item. • Spectators should be away from the equipment and not allowed to interfere with the equipment in any way. • This activity is operated and supervised by trained staff at all times. • Under no circumstances is this activity to be used without our staff present. • Staff are trained by a manager and signed off when deemed competent before being able to operate without manager supervision. 	L	M	Medium
Injury caused by incorrect set up (including incorrect positioning, insufficient anchorage)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Equipment is to be set up by trained staff only. • A final visual check is carried out after installation to ensure the equipment is safe for use. 	L	H	Medium
Weather	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Equipment to be set up by trained person only and in line with manufacturer guidance. • Equipment should not be used outdoors in extreme weather conditions or if weather warnings are in place. • All participants should vacate the equipment when the play area of the inflatables becomes wet and slippery. Do not use until dry. • If bad weather equipment can be set up inside providing adequate space. 	L	H	Medium
Injuries caused by lack of pressure	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • The minimum air pressure inside the structural part of the inflatable should be 1kPA (100mm water gauge). • Prior to use and once set up all inflatables are tested with a manometer to give a pressure reading. • All staff are trained in how to take a pressure reading, how to rectify issues and the severity of low pressure. 	L	H	Medium

Overcrowding	<ul style="list-style-type: none"> • Customers • Public 	<ul style="list-style-type: none"> • Do not allow more users than recommended by the manufacturer. • Only one user at a time. Queue system maintained. 	L	L	Low
Electrical failure	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Equipment monitored during use. Emergency procedures in place for safe evacuation. 	L	M	Low
Generator and risk of fire (Injuries caused by: fire, heat)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Where generators are used, they must be positioned a minimum of 5m away from equipment and secured. • Generators must only be operated by competent persons. • No smoking or ignition sources within 5m. • Equipment must be switched off during refuelling. 	L	M	Medium
Injury through equipment defect (Injuries caused by: equipment integrity)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • All electrical equipment is inspected and PAT every 6 months. • All equipment has a visual inspection on set up and pack down, any dangerous defects are reported to the operator and equipment is taken out of action until required remedial works have been carried out. • All inflatables are tested annually to PIPA or EN14960, depending on what testing regime the item falls under. • The user limitations provided by the PIPA inspector should be followed at all times. These are to allow for a safer evacuation in the event of deflation. • Our team are training in procedures should deflation occur. 	L	M	Low
Slips, Trips & Falls (Injuries caused by slippery floor, cabling or activity)	<ul style="list-style-type: none"> • Customers • Public • Employees/Staff 	<ul style="list-style-type: none"> • Area around ride must be kept clear. • Safe mounting and dismounting controlled by operator. 	L	M	Low
Loss of balance / fall from ride	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Participants must maintain balance and follow operator instructions at all times. • Ride speed and movement must be adjusted to participant ability. • Inflatable landing area must be fully inflated and clear at all times. • Operator must stop the ride immediately if participant loses control. 	M	M	Medium
Incorrect landing	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Participants instructed on correct riding position. • Inflatable landing area must be clear at all times. • Participants must not attempt to break falls in an unsafe manner. • Only one participant permitted within the ride area. 	L	H	Medium

Injuries arising from impact with the ride attachment	<ul style="list-style-type: none"> • Customer 	<ul style="list-style-type: none"> • Participants must remain within the designated riding area. • Participants must not attempt to dismount during operation. • Operator must stop ride if unsafe behaviour is observed. • Participants instructed to shout STOP if they wish for the ride to end. • Staff training includes being observant and focusing on the rider. 	L	M	Low
Sudden movement / whiplash	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Ride speed and intensity controlled by trained operator. • Participants must ride within their physical limits. • Operator must monitor rider condition at all times. 	M	M	Medium
Mechanical failure	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Equipment inspected before each use. • Any defects must result in immediate removal from use. • Equipment maintained in line with manufacturer guidance. 	L	H	Medium
Loose items / ejection	<ul style="list-style-type: none"> • Customers • Employees/Staff 	<ul style="list-style-type: none"> • Participants must remove all loose items before riding. • Operator must check participants before starting ride. 	L	M	Low
Behaviour / unsuitable users	<ul style="list-style-type: none"> • Customers • Public 	<ul style="list-style-type: none"> • Participants must not be under the influence of alcohol or drugs. • Operator reserves the right to refuse access. • Unsafe behaviour results in removal from activity. 	L	H	Medium
Mounting/dismounting control	<ul style="list-style-type: none"> • Customers 	<ul style="list-style-type: none"> • Participants must mount and dismount the ride only when instructed by the operator. 	L	M	Low
Unsupervised use	<ul style="list-style-type: none"> • Customers • Public 	<ul style="list-style-type: none"> • Equipment only operated by trained staff. Under no circumstances is the activity used without our staff. 	L	H	Medium

Date of Assessment	16/06/2023	Status	Complete
Re-assessment Date	13/05/2024	<i>M.Huthwaite</i>	Molly Huthwaite
Re-assessment Date	28/05/2025	<i>M.Huthwaite</i>	Molly Huthwaite
Re-assessment Date	21/04/2026	<i>M.Huthwaite</i>	Molly Huthwaite