

WALLTOPIA

THE TREE COURSE



THE CONCEPT

The Tree Course is Walltopia's flagship ropes course attraction — a nature-inspired, hyperboloid-structured obstacle course standing up to 26.6 metres tall, accommodating up to 96 obstacles across three levels. It transforms vertical space into a high-throughput, visually iconic anchor attraction for ski resorts, entertainment destinations, adventure parks, and family entertainment centres.

Unlike conventional ropes courses that prioritise function over form, the Tree Course is engineered to be a landmark. Its distinctive silhouette draws crowds, drives social media visibility, and generates revenue both from participants and from a rooftop viewing platform that doubles as an event venue.

STRUCTURE & CAPACITY

The Tree Course is a modular ropes course system built around a central hyperboloid steel structure. Configurable with one to three activity levels, the attraction accommodates up to 96 obstacles and 48 simultaneous participants per level, with obstacle layouts ranging from entry-level to advanced difficulty.

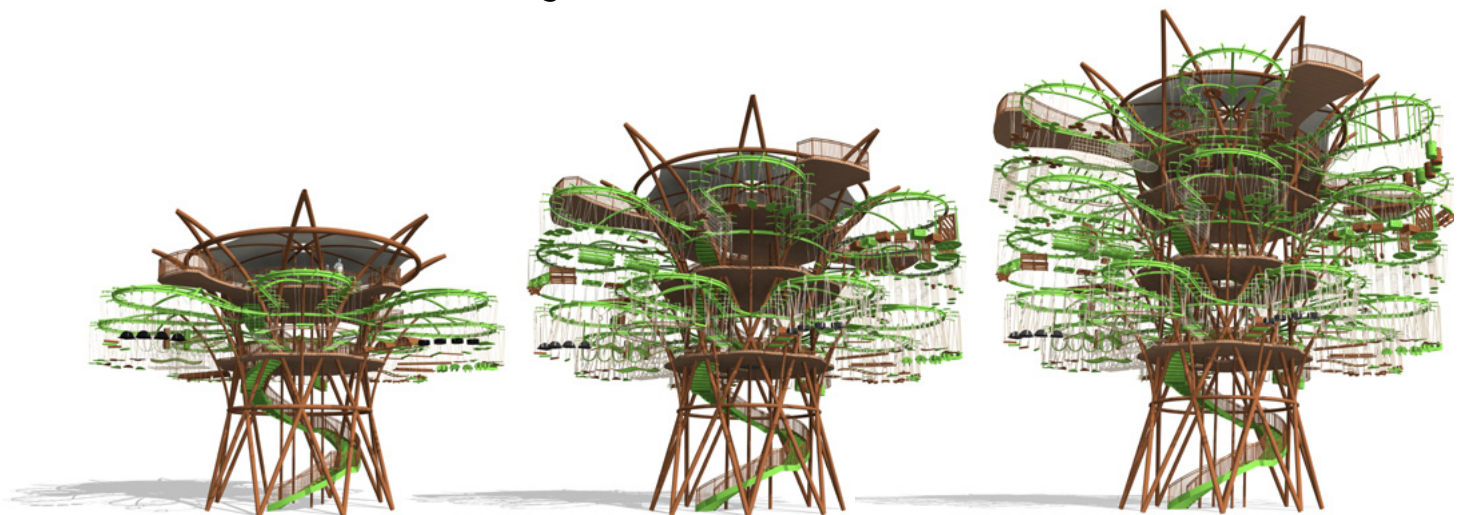
SAFETY & OPERATIONS

The course utilizes a patented continuous belay system that prevents accidental unclipping, significantly increasing operational safety and reducing staffing requirements. Optional integration of elevators, viewing platforms, Rollglider, zip lines, slides, and other adventure elements allows the Tree Course to function as a fully integrated aerial attraction suitable for indoor and outdoor environments.

Patent # EP4541440/11.02.2026

THE MODELS

Depending on the available space, ceiling height, visitor flow, and target capacity, the Tree Course can be configured in three scalable models.



1-Level Tree Course

The 1-Level course is a compact solution with 32 obstacles and capacity for up to 97 simultaneous users, making it suitable for venues with lower height restrictions or moderate traffic.

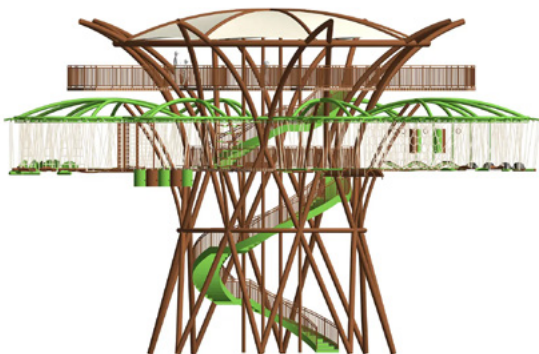
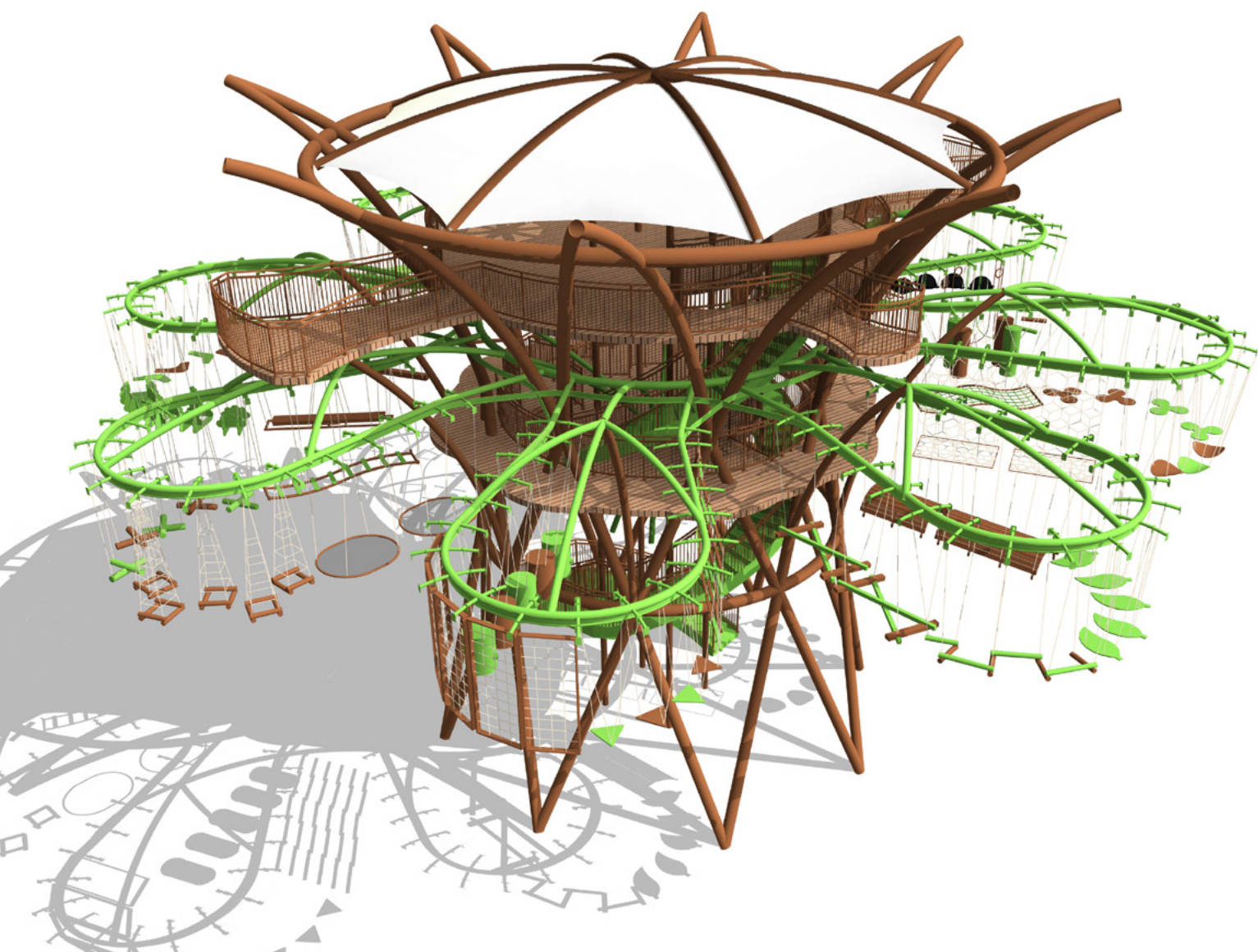
2-Level Tree Course

The 2-Level model doubles the obstacle count to 64 and increases total capacity to 145 users, offering a balanced solution for high-traffic entertainment venues.

3-Level Tree Course

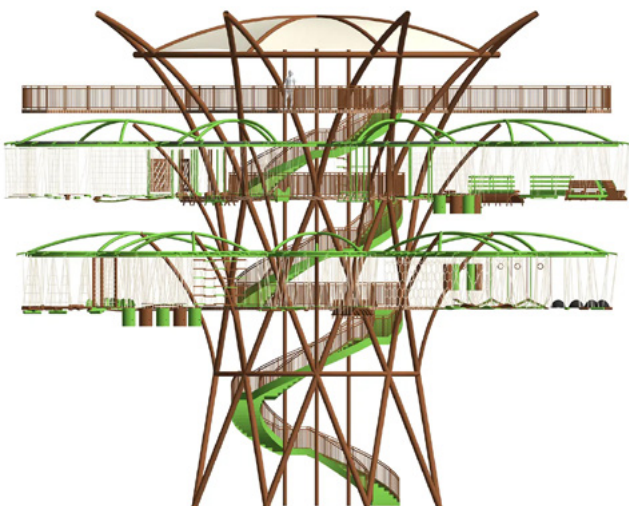
The flagship 3-Level model reaches 26.6 meters in height and features 96 obstacles with capacity for up to 193 simultaneous users, maximizing throughput and visual impact for large-scale destinations.

1-LEVEL TREE COURSE



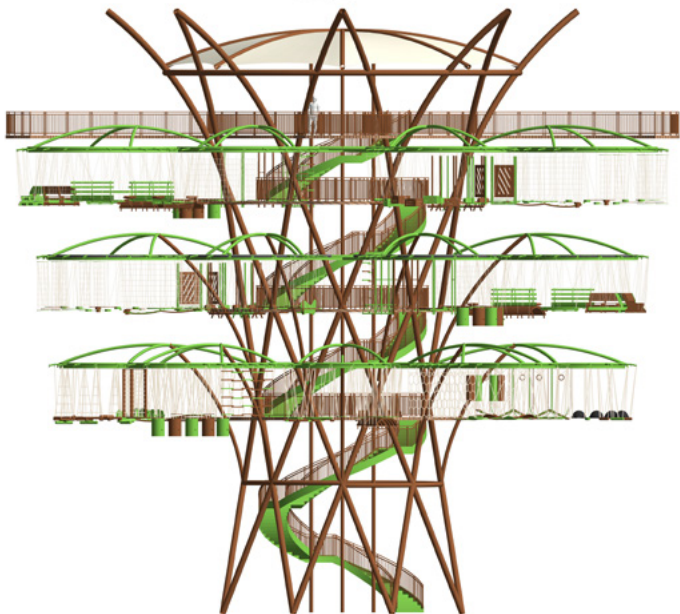
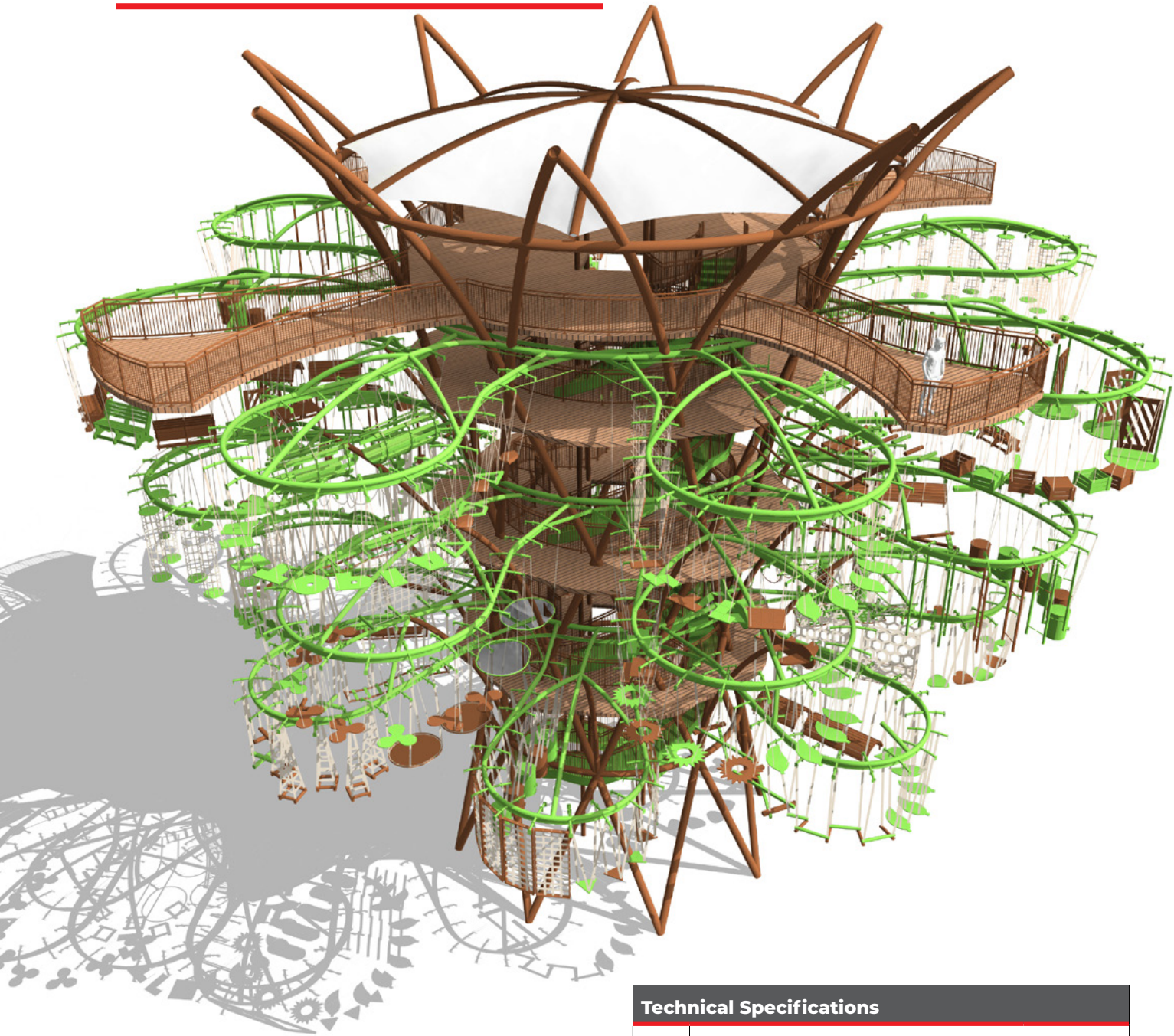
Technical Specifications		
HEIGHT	First obstacle platform height	9.05 m
	Second obstacle platform height	—
	Third obstacle platform height	—
	Viewing platform height	13.00 m
	Total height	16.90 m
FOOTPRINT	Base footprint	135 m ²
	Viewing platform area	115 m ²
CAPACITY	Obstacle participants capacity	48 ppl
	Viewing platform capacity	49 ppl
OTHER	Obstacles	32 pcs
	Operators	1–2

2-LEVEL TREE COURSE



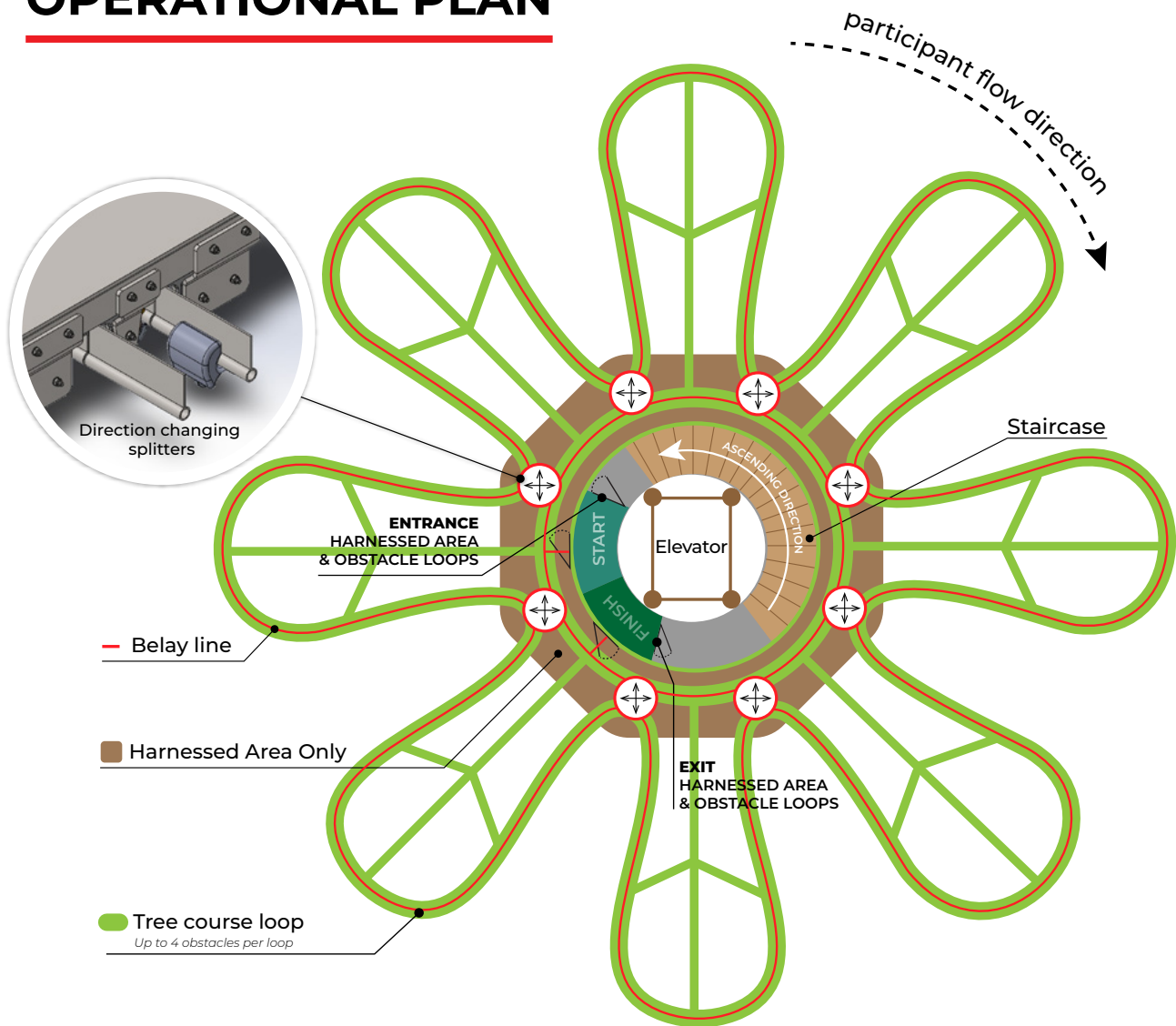
Technical Specifications		
HEIGHT	First obstacle platform height	9.05 m
	Second obstacle platform height	14.05 m
	Third obstacle platform height	—
	Viewing platform height	18.00 m
	Total height	22.70 m
FOOTPRINT	Base footprint	135 m²
	Viewing platform area	195 m²
CAPACITY	Obstacle participants capacity	96 ppl
	Viewing platform capacity	49 ppl
OTHER	Obstacles	64 pcs
	Operators	2–4

3-LEVEL TREE COURSE



Technical Specifications		
HEIGHT	First obstacle platform height	9.05 m
	Second obstacle platform height	14.05 m
	Third obstacle platform height	19.05 m
	Viewing platform height	22.10 m
	Total height	26.60 m
FOOTPRINT	Base footprint	135 m ²
	Viewing platform area	225 m ²
CAPACITY	Obstacle participants capacity	144 ppl
	Viewing platform capacity	49 ppl
OTHER	Obstacles	96 pcs
	Operators	3-5

OPERATIONAL PLAN



Belay System & Splitters

Walltopia's patented continuous belay system features a rigid multidirectional track with aluminum trolleys, integrated lanyards, Petzl PIN-LOCK carabiners, participant harnesses.

The system ensures uninterrupted attachment throughout the entire course, significantly increasing operational safety while reducing the risk of user error and minimizing operator intervention.

Elevator Shaft & Staircase

Integrated within the central structure, the staircase serves as the primary circulation route for participants, while the optional elevator provides accessible access to the viewing platform for spectators, event guests, and non-participating visitors.

Obstacle Loops "Leaves"

Cantilevered obstacle circuits extending from the central structure at each level. Referred to as "leaves" within the design language, these loops function as independent circulation paths with splitters allowing multi-directional participant flow and improved throughput.

Hyperboloid Core Structure

- Fabricated from high-grade structural steel (S235 or higher)
- Engineered in accordance with Eurocode standards
- Adaptability to local regulations and project-specific requirements
- Indoor installations: painted steel elements
- Outdoor installations: hot-dip galvanized and painted structure for enhanced long-term corrosion resistance.
- Assembled progressively level by level and engineered to withstand dynamic operational, wind, and seismic loads.



ADD-ONS

The Tree Course is designed as a flexible adventure platform that can integrate additional Walltopia attractions to increase capacity, diversify the visitor experience, and create new revenue streams. From high-thrill exits to family-oriented ground activities, these add-ons transform the attraction into a complete multi-generational adventure destination.



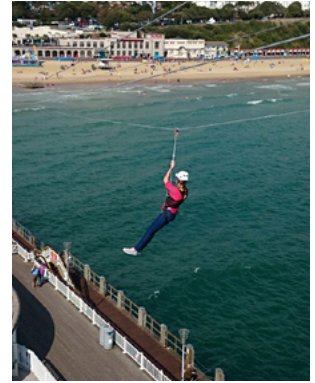
Rollglider

An aerial roller coaster / zip line delivering the sensation of free flying. Can function as a premium course exit. The electric VOLT variant reaches speeds of up to 40 km/h with capacity of approximately 120 people per hour.



QUICKjump Free Fall

A controlled free-fall experience providing a high-thrill secondary exit and a strong upcharge opportunity alongside the main attraction.



Zip Line

A dynamic “grand finale” exit that enhances the overall experience and creates a memorable final moment for participants.



Binoculars

Reward your visitors with a way to enjoy the surrounding scenery from the viewing platform with our observations binoculars.



Other Unharnessed Attractions

Ground-level experiences such as Adventure Trail, Net Maze, and Cloud Climb that activate the base area and expand the attraction appeal beyond harnessed activities.



Slides

An alternative descent option particularly suited for younger participants and family-focused venues.

APPLICATIONS & OPERATOR BENEFITS

The Tree Course is engineered as a flexible, high-capacity attraction that adapts to a wide range of entertainment and leisure environments. Its combination of visual impact, operational efficiency, and scalable capacity makes it suitable for destinations seeking to increase footfall, extend visitor stay, diversify revenue streams, and create memorable guest experiences. From mountain resorts and mixed-use retail developments to adventure parks and family entertainment centers, the Tree Course functions as both an attraction and a landmark destination.



Retail & Entertainment Destinations

A visually striking anchor attraction designed to increase footfall, dwell time, and visitor engagement in malls and mixed-use developments.

- Creates a destination centerpiece
- Increases time spent within the venue
- Generates direct and indirect revenue
- Efficient use of vertical space with high visitor capacity



Ski Resorts & Mountain Destinations

Transform seasonal resorts into year-round destinations with a weather-independent attraction that appeals to skiers, families, and non-skiers alike.

- Generates off-season revenue
- Expands the target audience
- Enhances destination marketing and social media visibility
- Supports events and private functions on the viewing platform



Adventure Parks & Family Entertainment Centers

A scalable ropes course solution optimized for high throughput, operational efficiency, and repeat visitation.

- High participant capacity per footprint
- Progressive multi-level difficulty
- Low staffing requirements
- Compatible with premium add-on attractions and future expansion

Ready to Build Your Landmark Attraction?

Whether you are developing a mountain resort, entertainment destination, shopping mall, or adventure park, the Tree Course can be tailored to your space, audience, and business goals. Contact our team to discuss your project, explore configuration options, and request a customized proposal.

Get in touch to learn more, request technical information, or receive a quote.

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