



# VELO FEATURES

## Velomaster Bike Park

Smart Imitation of Urban Infrastructure

## VELOMASTER

URBAN EDUCATIONAL PARK

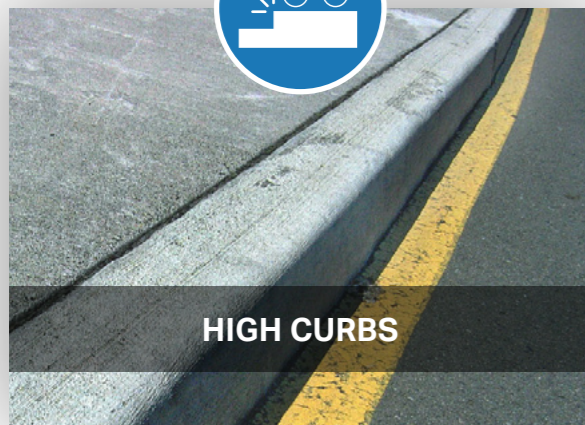
## WHAT IS VELOMASTER?

Velomaster demonstrates a safe and controlled environment, where bike novices obtain their skills to securely navigate the city. It is an educational yet fun bike park with obstacles that playfully mimic urban areas – a playground for young and old.

# WHY VELOMASTER?

The city environment is full of obstacles: steps, curbs, rails, and different riding surfaces. Up until now, there was no safe and particular place to learn how to handle these encounters; this is why we developed Velomaster.

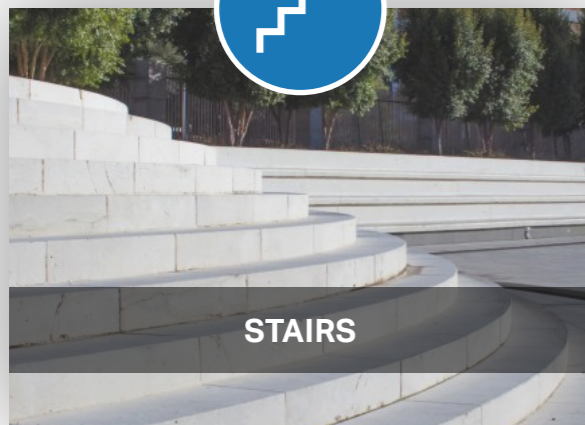
The most common and challenging obstacles:



HIGH CURBS



TRAM RAILS



STAIRS



POTHOLES

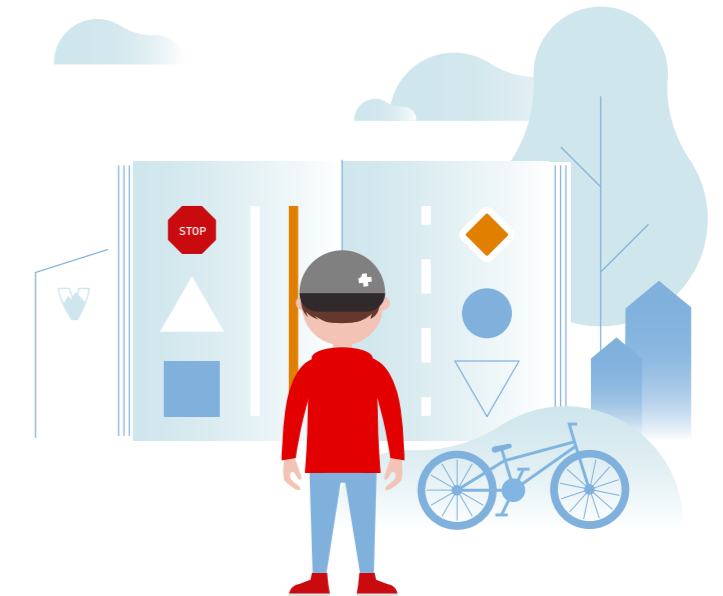
1

**DEVELOPS  
SKILLS**



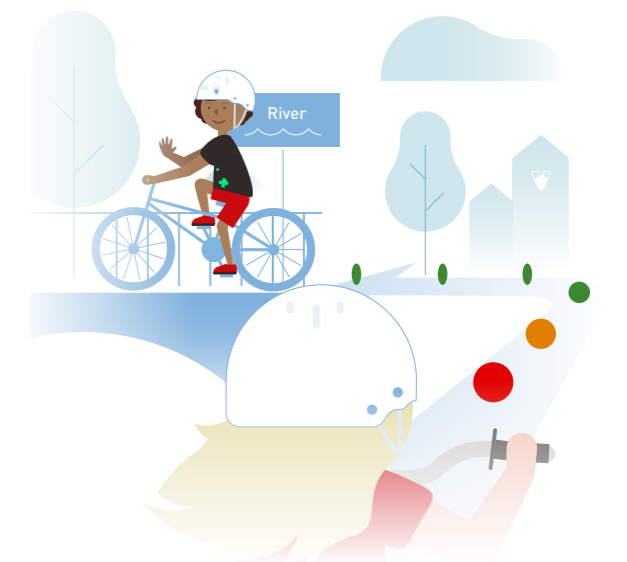
2

**EDUCATES ON  
TRAFFIC SAFETY**



3

**ENTERTAINS WITH  
VELO GAMES**



# 1. VELOMASTER DEVELOPS SKILLS



## OPPORTUNITY TO LEARN WITH JOY

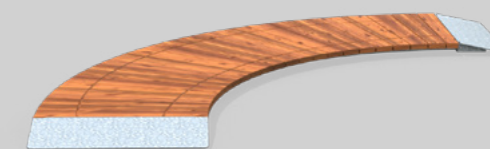
Velomaster is a new playground where children and adults can improve their coordination, balance, stability, speed control, and even jump skills. It prepares every rider to go out and cope with the obstacles commonly encountered in the urban environment!

**4****CATEGORIES**

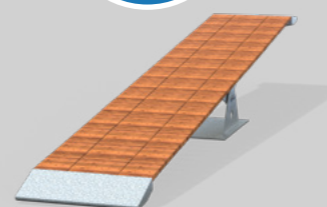
The Velomaster elements are subdivided into four categories, each of them focusing on the development of a specific skill set.



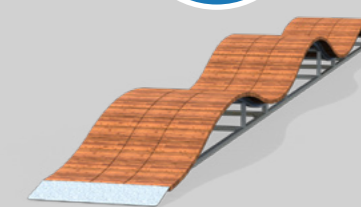
**CLASSICS**  
WIDE POTHOLE



**TURNS**  
SMALL CORNER



**BALANCE**  
SEESAW



**ADVENTURE**  
THREE MUSKETEERS

## 2. VELOMASTER FOR TRAFFIC SAFETY EDUCATION

### CLEVER URBAN INFRASTRUCTURE SIMULATIONS

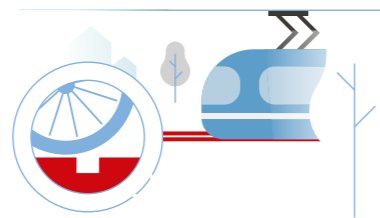
Each element imitates a specific city object or situation that cyclists may encounter daily. Curbs, steps, rails, crossings – each obstacle has its own story and unveils practical tips on how to overcome it fast but safe.

Example of a Velomaster element:

#### • RAILS •

Introducing the city tram rails! At medium speed, cross the rails at an angle so that the tires do not enter the grooves. Be careful – sometimes the rails sit above the sidewalk and can be slippery! If you follow the line, it will be easy to cross them.

All elements simulate urban infrastructure, for example, rails.



Illustrations help riders to visualize the objects, thus developing creative thinking.



Velomaster special lessons educate playfully and encourage further development of skills.

# 3

## STEPS TO BECOME A CONFIDENT CYCLIST

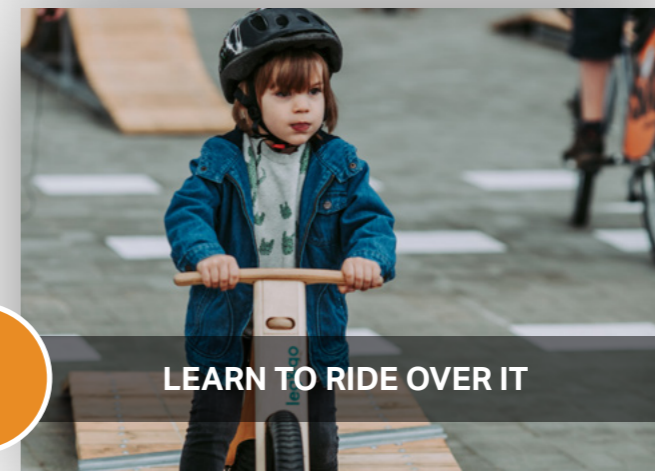
# 1

GET ACQUAINTED WITH THE ELEMENT



# 2

LEARN TO RIDE OVER IT



# 3

HEAD TO THE CITY AND TEST YOUR NEW SKILLS



### 3. VELOMASTER ENTERTAINS WITH GAMES



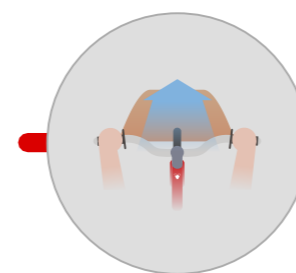
#### VELOMASTER TAKES GAMES BACK TO THE STREET

Three innovative Velomaster Games turn the learning process into a fun and playful experience. The practical playground allows all cyclists for competition and benchmarking.

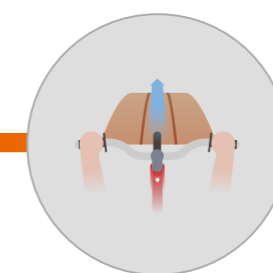
## GAME #1 CHALLENGE YOURSELF

**Pass all 3 game levels to become a Velomaster.**

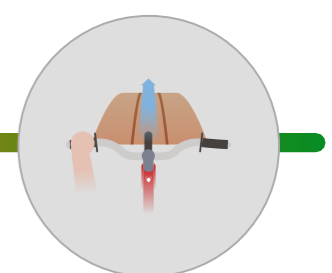
Cross the elements in all 3 levels.  
Gain experience, and get better with every try.



**LEVEL 1 - BASIC**  
Ride the whole track



**LEVEL 2 - ADVANCED**  
Ride the whole track  
between engraved lines



**LEVEL 3 - EXPERT**  
Ride the whole track  
between engraved lines while steering  
with one hand only

\* some elements are exceptions

## GAME #2 CHALLENGE A FRIEND

**"You follow me, then I will follow you".**  
Go ahead or follow a friend! Learn to hold a safe distance and choose the right lines.



### THE MORE YOU LOOK AHEAD, THE SAFER YOU RIDE!

Maneuvering the city safely is always about foreseeing potential danger. Maintaining a steady distance from other road users, while riding between the engraved lines is a great practice to do so.

## GAME #3 VELOMASTER CHAMPIONSHIP

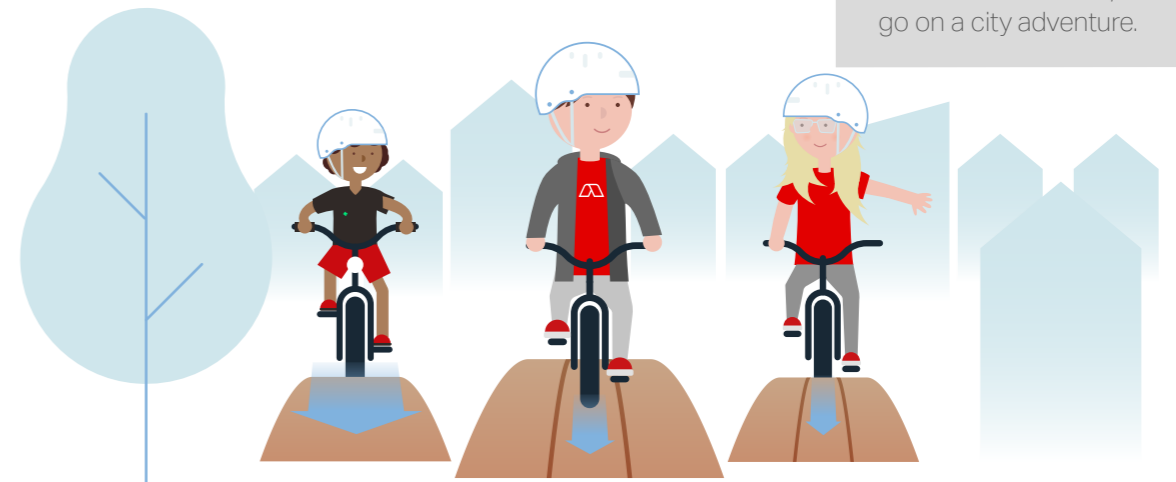
**Become an excellent Velomaster.**

Ride precisely, score points, and become a Velomaster. Compete against yourself or friends - you all will be winners.

I passed all the elements of the track. I'm a VELONOVICE and still have to learn to ride safely in the city.

My ride was great, I managed to ride the track between the engraved lines and deserved the VELOEXPERT medal. The city gates will open up soon!

One-handed between the lines! As a VELOMASTER, I can safely go on a city adventure.



10

POINTS

20

POINTS

30

POINTS

Collect points and get entitled with the following Velo-medals:



For detailed championship rules & templates, please contact [info@alliancease.com](mailto:info@alliancease.com)



## VELOMASTER CITIES

For a well-balanced choice of obstacles, we designed different sets of Velomaster elements. These come in different sizes, shapes, and levels of complexity and can be adapted to the layout of the available area. Choose your size!

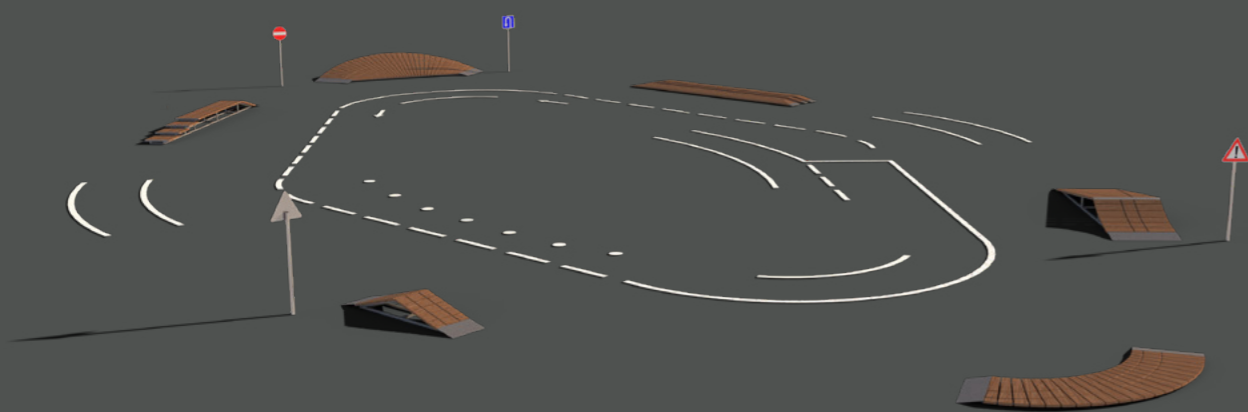


## VILLAGES (SIZE S) 200 - 500m<sup>2</sup>

**Example:** VILLAGE A

**Elements:** corner, wide stairs, wide bridge, small corner, jump, balance

**Area:** 470 m<sup>2</sup>

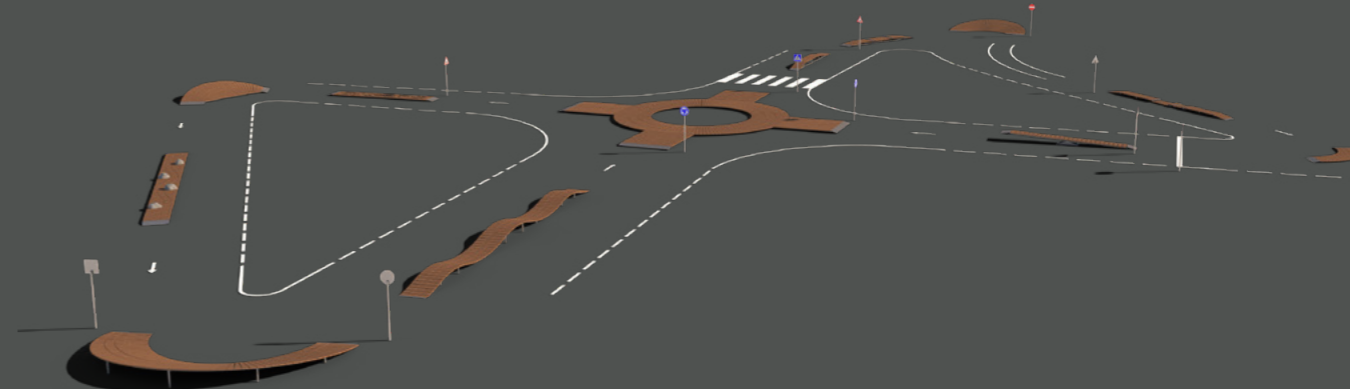


## CITIES (SIZE L) 1000 -2000m<sup>2</sup>

**Example:** CITY A

**Elements:** hairpin, three musketeers, roundabout, seesaw, small corner, wide potholes, small hairpin, rails, wide stairs, roots, corner, zigzag

**Area:** 1250 m<sup>2</sup>

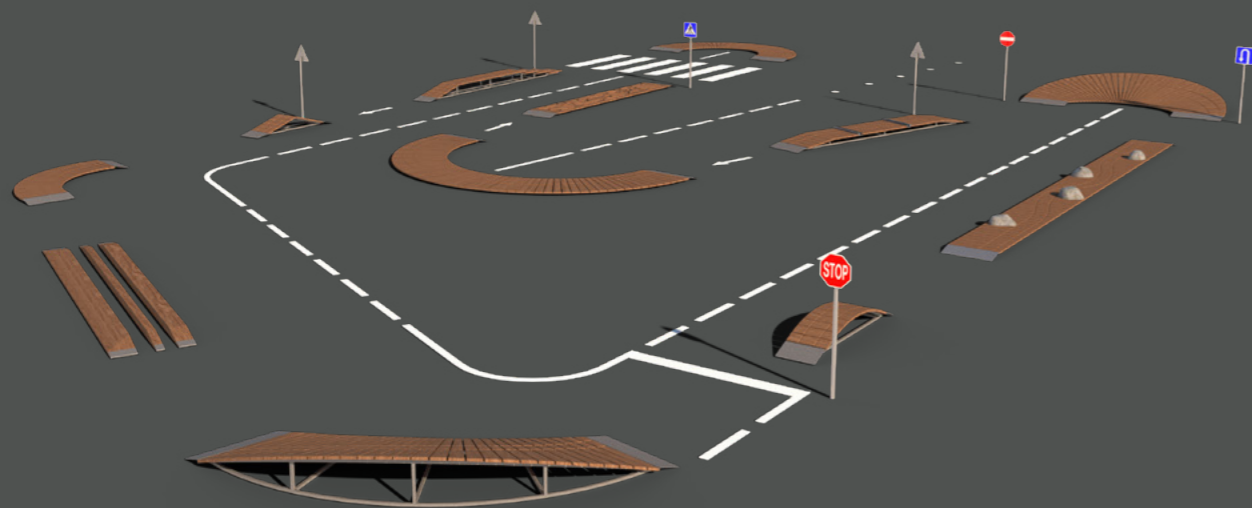


## TOWNS (SIZE M) 350 - 1000m<sup>2</sup>

**Example:** TOWN D

**Elements:** wide sleeping policeman, zigzag, hairpin, rails, big u-turn, roots, small u-turn, wide stairs, wide bridge, small corner, balance, corner

**Area:** 530 m<sup>2</sup>



## SIGNS AND ROAD MARKINGS

Velomaster sets are possible to combine with everyday road signs and asphalt markings that mimic urban infrastructure. These elements raise awareness of road rules and teach the most common traffic situations in the city.



We customize unique road marking designs with measurements for individual sets.

# VELOMASTER EXAMPLE SET

Adding Velomaster sets to school facilities and incorporating them during physical education lessons will make classes more practical and entertaining.

## CUSTOM SET IN A SCHOOL BACKYARD

SKILLS  
ELEMENTS:  
**15**

ROAD  
MARKINGS:  
**6**

ADDITIONAL  
GAMES:  
**2**

### HAIRPIN

Teaches how to go through different types of bends, using tilting technique

### SMALL U-TURN

Helps to learn how to turn to ride in the opposite direction

### SEESAW

Develops balance, helps to overcome fear and teaches not to stop midway

### GAME 1: BALANCE

Develops stability, coordination, bike control, and teaches how to overcome narrow places

### WIDE STAIRS

Helps to deal with ramps, curbs, and stairs

### JUMP

Teaches how to jump with a bike, and introduces the laws of momentum and gravity

### WIDE BRIDGE

Trains concentration skills and helps to overcome narrow passways

### BALANCE

Helps to get more balance and control when riding narrow boards

### SWEEPER (LEFT)

Teaches how to go through left side turns, using steering technique

### SWEEPER (RIGHT)

Teaches how to go through right side turns, using steering technique

### WIDE SLEEPING POLICEMAN

Teaches how to react and ride over sleeping policemen

### CORNER

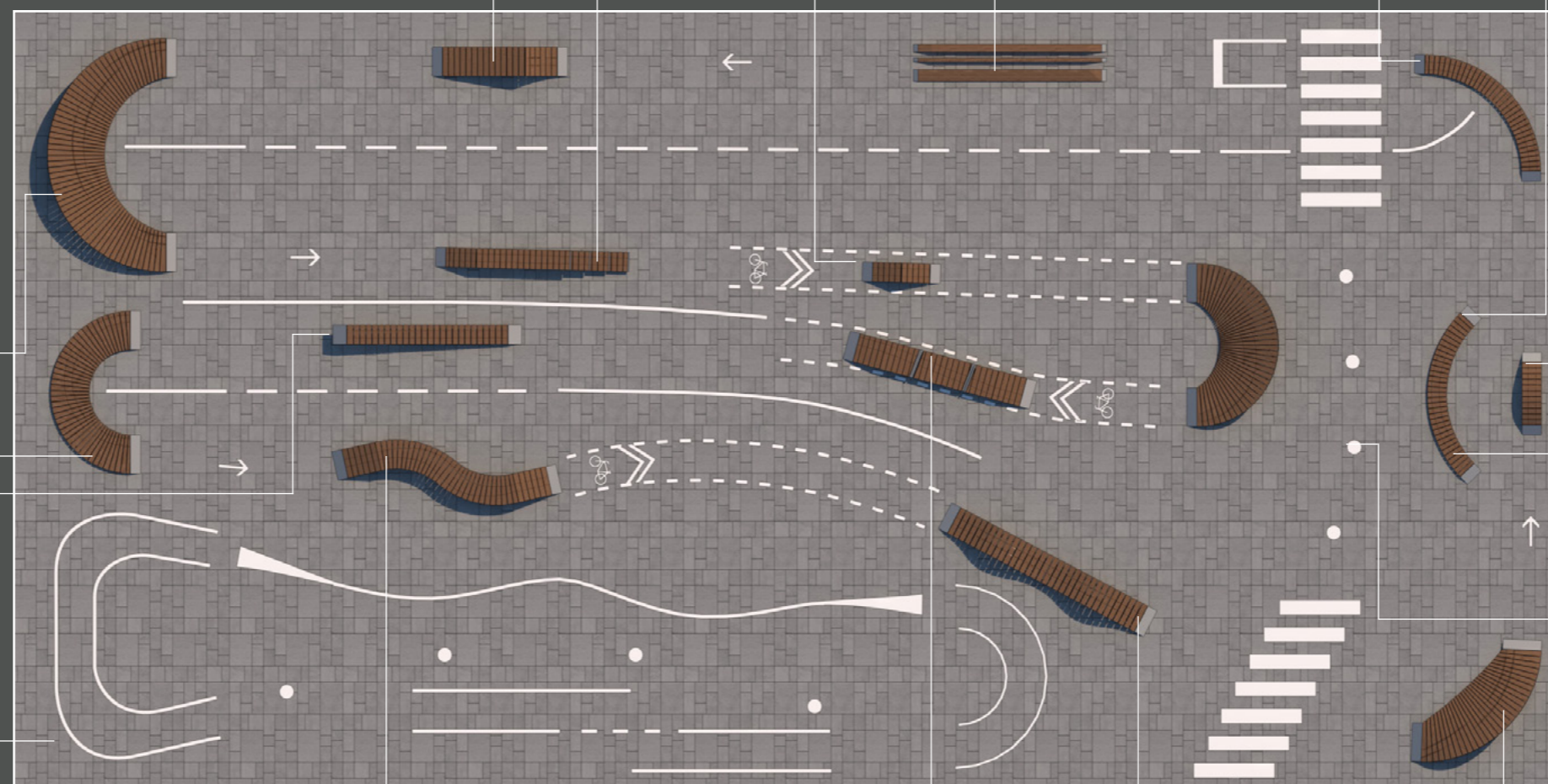
Teaches how to go through the turn by steering with handlebars

### GAME 2: SLALOM

Improves maneuvering and overtaking skills

### SMALL HAIRPIN

Greatly improves maneuvering and 180° turning skills



### SNAKE

Teaches the movement of overtaking and avoiding obstacles

### RAILS

Introduces with city tram rails and teaches to cross them safely

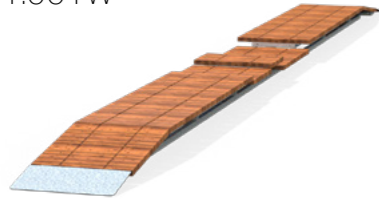
### CAMEL

Teaches to feel stable on any type of humps

# CLASSICS

## WIDE POTHoles

1.001W


 $a*b=7000 \times 750$   
 $w=750 \quad h=150$ 

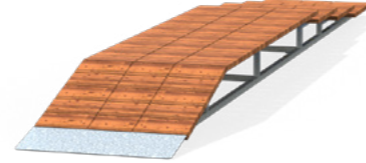
## ROOTS

1.002


 $a*b=5100 \times 750$   
 $w=750 \quad h=110$ 

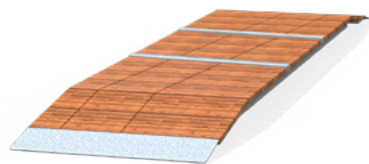
## WIDE STAIRS

1.003W


 $a*b=5100 \times 750$   
 $w=750 \quad h=270$ 

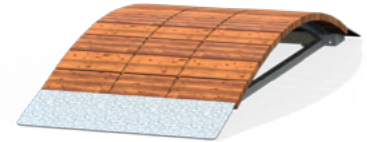
## RAILS

1.004


 $a*b=5000 \times 1000$   
 $w=1000 \quad h=155$ 

## WIDE SLEEPING POLICEMAN

1.005W


 $a*b=2200 \times 750$   
 $w=750 \quad h=250$ 

## SPEED BREAKERS

1.006


 $a*b=1000 \times 400$   
 $w=400 \quad h=50$ 

## ROUNDAABOUT

1.007


 $a*b=12000 \times 12000$   
 $w=1500/2000 \quad h=60$ 

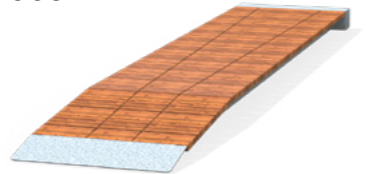
## PIPE

1.008


 $a*b=5100 \times 750$   
 $w=750 \quad h=100$ 

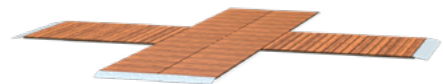
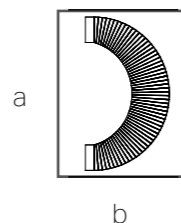
## CURB

1.009


 $a*b=4100 \times 750$   
 $w=750 \quad h=130$ 

## CROSSROAD

1.010


 $a*b=8000 \times 8000$   
 $w=2000 \quad h=60$ 

 $a$  - area length (mm)  
 $b$  - area width (mm)

 $h$  - height (mm)  
 $w$  - deck width (mm)

Top surface materials:

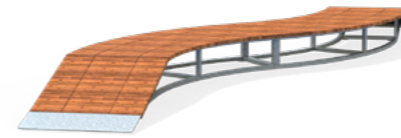

**PINE / FIR**

**WOODEN POLYMER**

# URNS

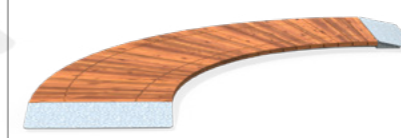
## SNAKE

2.001


 $a*b=5600 \times 2400$   
 $w=750 \quad h=300$ 

## SMALL CORNER

2.002


 $a*b=3300 \times 1200$   
 $w=750 \quad h=60$ 

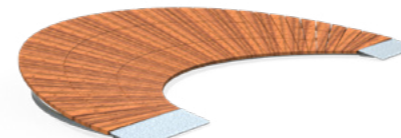
## SWEEPER

2.003


 $a*b=4600 \times 1500$   
 $w=500 \quad h=60$ 

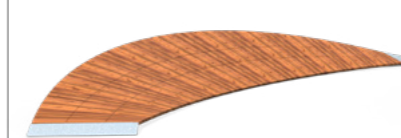
## SMALL HAIRPIN

2.004


 $a*b=4200 \times 2300$   
 $w=750 \quad h=370$ 

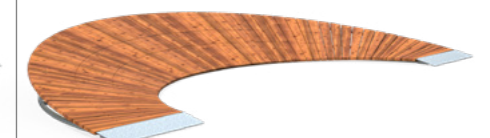
## CORNER

2.005


 $a*b=6800 \times 2200$   
 $w=1000 \quad h=500$ 

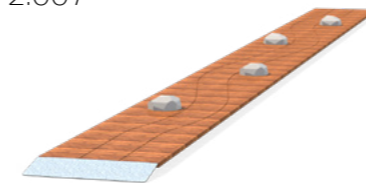
## HAIRPIN

2.006


 $a*b=6000 \times 3200$   
 $w=1000 \quad h=500$ 

## ZIG ZAG

2.007


 $a*b=10\ 000 \times 750$   
 $w=750 \quad h=60$ 

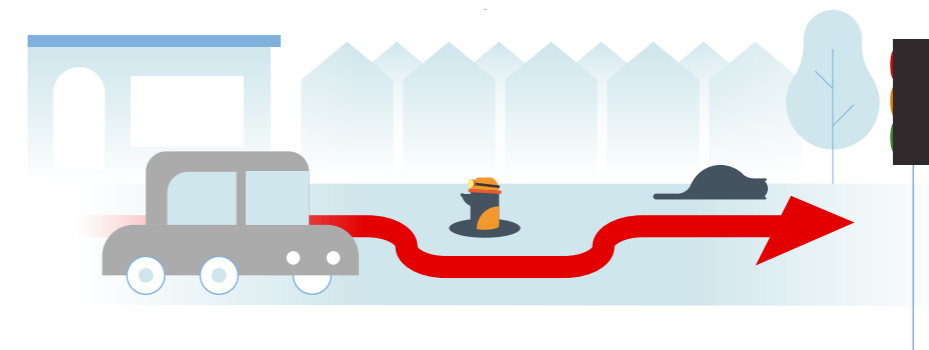
## BIG U-TURN

2.008


 $a*b=6000 \times 3300$   
 $w=1000 \quad h=60$ 

## SMALL U-TURN

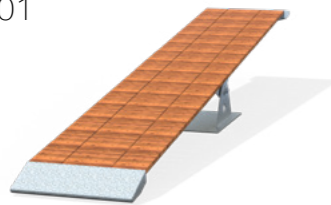
2.009


 $a*b=4200 \times 2400$   
 $w=1000 \quad h=60$ 


# BALANCE

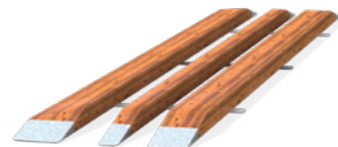
## SEESAW

3.001

a\*b=5000 x 750  
w=750 h=420

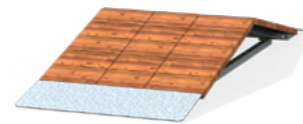
## BALANCE

3.002

a\*b=5100 x 1050  
w=900 h=100

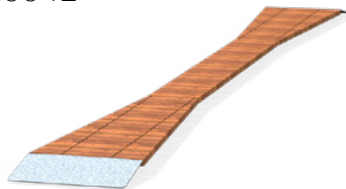
## WIDE BRIDGE

3.003W

a\*b=2000 x 750  
w=750 h=250

## LOW BRIDGE, LOW

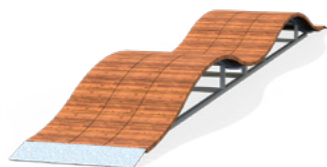
3.004L

a\*b=5100 x 500  
w=500 h=60

# ADVENTURE

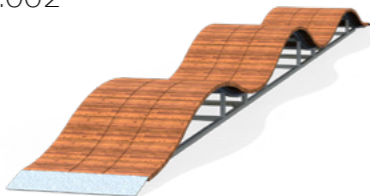
## CAMEL

4.001

a\*b=6500 x 750  
w=750 h=350

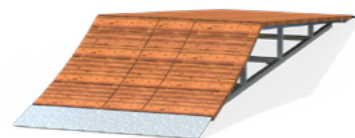
## THREE MUSKETEERS

4.002

a\*b=9500 x 750  
w=750 h=450

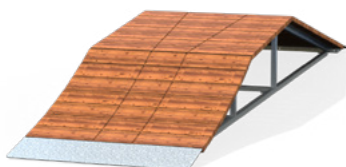
## JUMP

4.003

a\*b=4300 x 1000  
w=1000 h=400

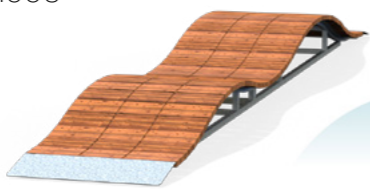
## TABLE TOP

4.004

a\*b=4400 x 1000  
w=1000 h=500

## LONG WAVE

4.005

a\*b=5500 x 750  
w=750 h=350

# ADDITIONAL

## SPEED BUMPS

M size - 1000  
L size - 1500

## ROAD SIGNS & ASPHALT MARKINGS



## INFO SIGNS

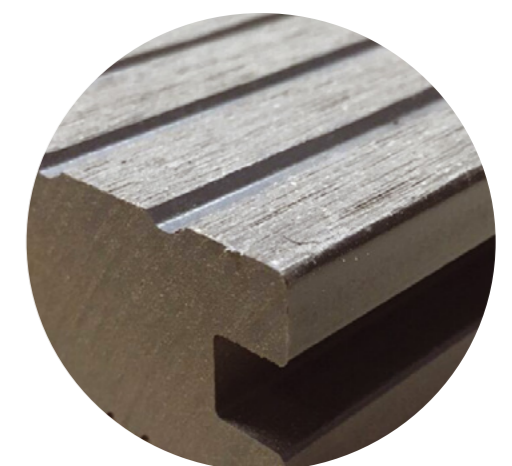


# TOP SURFACE MATERIAL OPTIONS



## ● PINE / FIR

Natural, durable material



## ● WOODEN POLYMER

Long-lasting, scratch-resistant composite polymer material

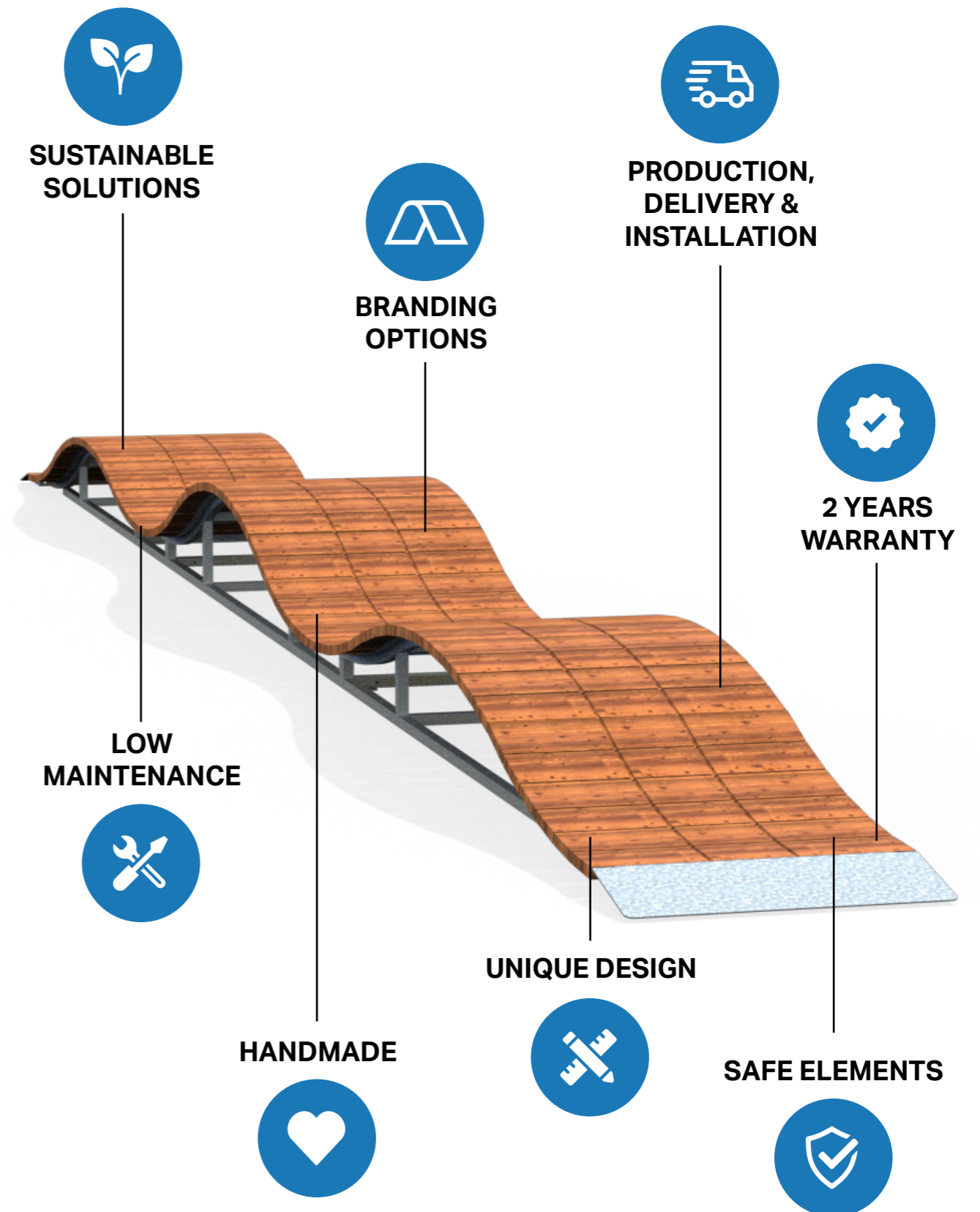
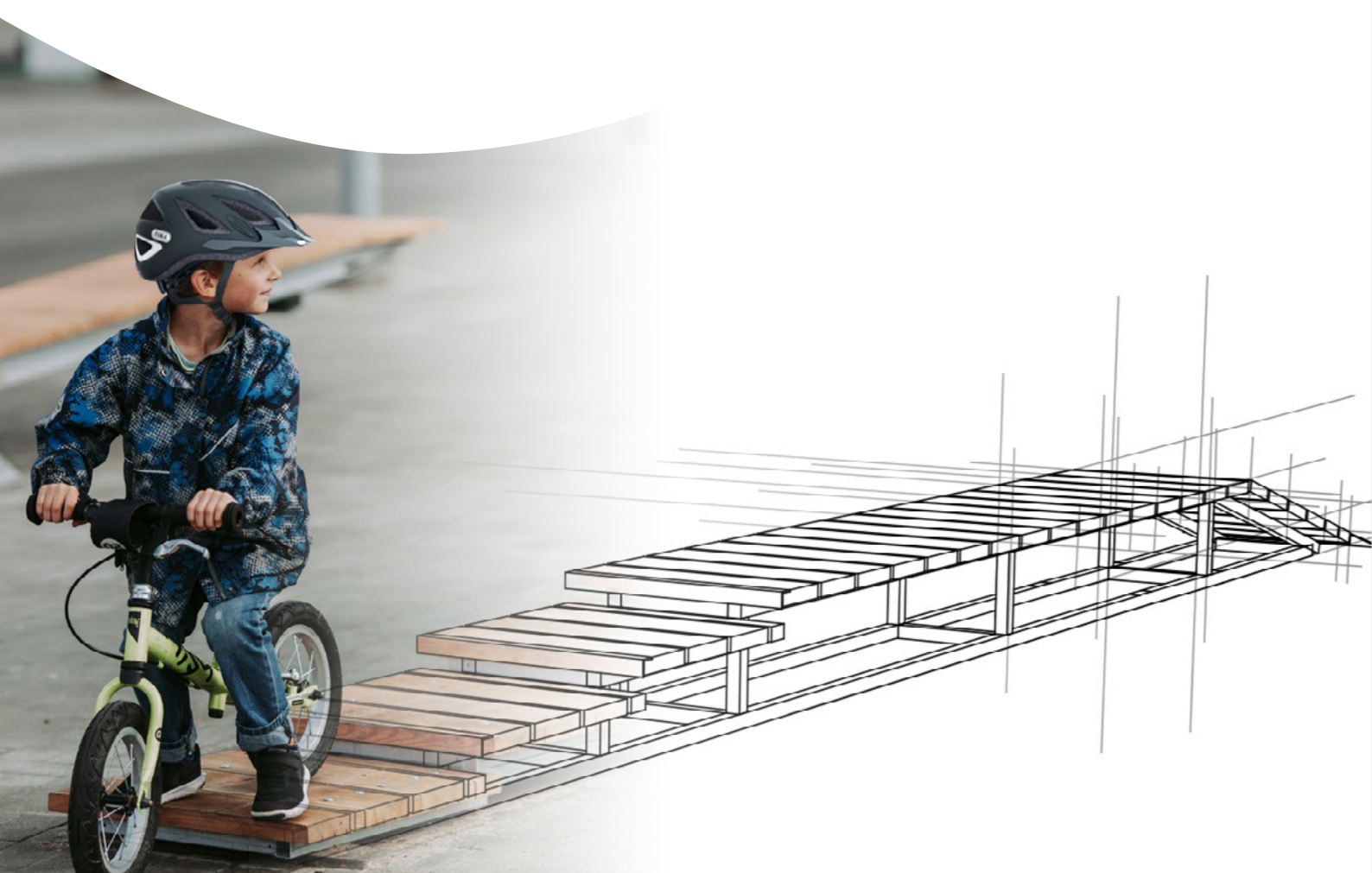
# TECHNICAL DATA

## INSTALLATION

- can be installed on a hard or gravel surface
- easy to set up with small machinery
- suitable as permanent installations
- can stay outdoors all year round

## DURABILITY & SAFETY

- all metal frames are hot-dip galvanised, thus protected from rust and corrosion
- stainless steel screws with a metric thread allow secure connections





# TESTIMONIAL

«The bike park built in the Central Sports District is a great learning platform for both children and adults who learn the cycling skills they need so much in the city every day. Studying and understanding each element, playing games, and spending time with friends - Velomaster is a valuable addition to any city.»

**Ineta Rudzite,**  
Riga Central Humanitarian School's Director



### PIEDZĪVOJUMU TRASE

PIEDZĪVOJUMU TRASĪ IESAKĀM LIETOT AR:



BMX MTB BALANSA VELO IELAS VELO

### LIETOŠĀS

KATRS VELOPARKA APMEKLĒTĀJS VAI VĪRĀ VECAKĀR  
IZVĒLOTIES ATBILSTOŠU SPORTA INVENTĀRU U



1. ATRASĀNĀS VELOPARKĀ  
IR SAISTĪTA AR  
TRAUMU RISKU



2. SPORTOJOT VELOPARKĀ,  
OBLIGĀTI JĀIZMANTO  
PERSONĪGIE DROŠĪBAS  
LĪDZEKĻI - AIZSARGĪVĒRE  
UN CITS AIZSARGĪNVENTĀRS



3. VELOPARKĀ IR  
JĀIEVĒRO  
DISTANCE STARP  
BRAUCĒJĒM

VELOTRASE IZBŪVĒTA  
PĒC RĪGAS DOMES ĪPAŠUMA DEPARTAMENTA PASŪTĪJUMA  
Papildus info - [www.rdid.lv](http://www.rdid.lv)





# VELOMASTER BIKE PARK

SMART IMITATION OF URBAN INFRASTRUCTURE

Location: Tallinn, Estonia





# VELOMASTER BIKE PARK

SMART IMITATION OF URBAN INFRASTRUCTURE

Location: Saulkrasti, Latvia





# VELOMASTER BIKE PARK

SMART IMITATION OF URBAN INFRASTRUCTURE

Location: Jelgava, Latvia

# OTHER BIKE PARK TYPES



An educational yet fun bike park with obstacles that mimic urban areas in a playful manner – a playground for young and old.



FREESTYLE BIKE PARK



A fun cycling journey through untouched territories, round the lake or.. - you choose! It can be wavy, snaky and even can have some easy jumps.



Elements allow to develop riding technique and style and focus on the art of mountain biking and tricks. Explore endless freestyle adventures!



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Action Sports Experts

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