



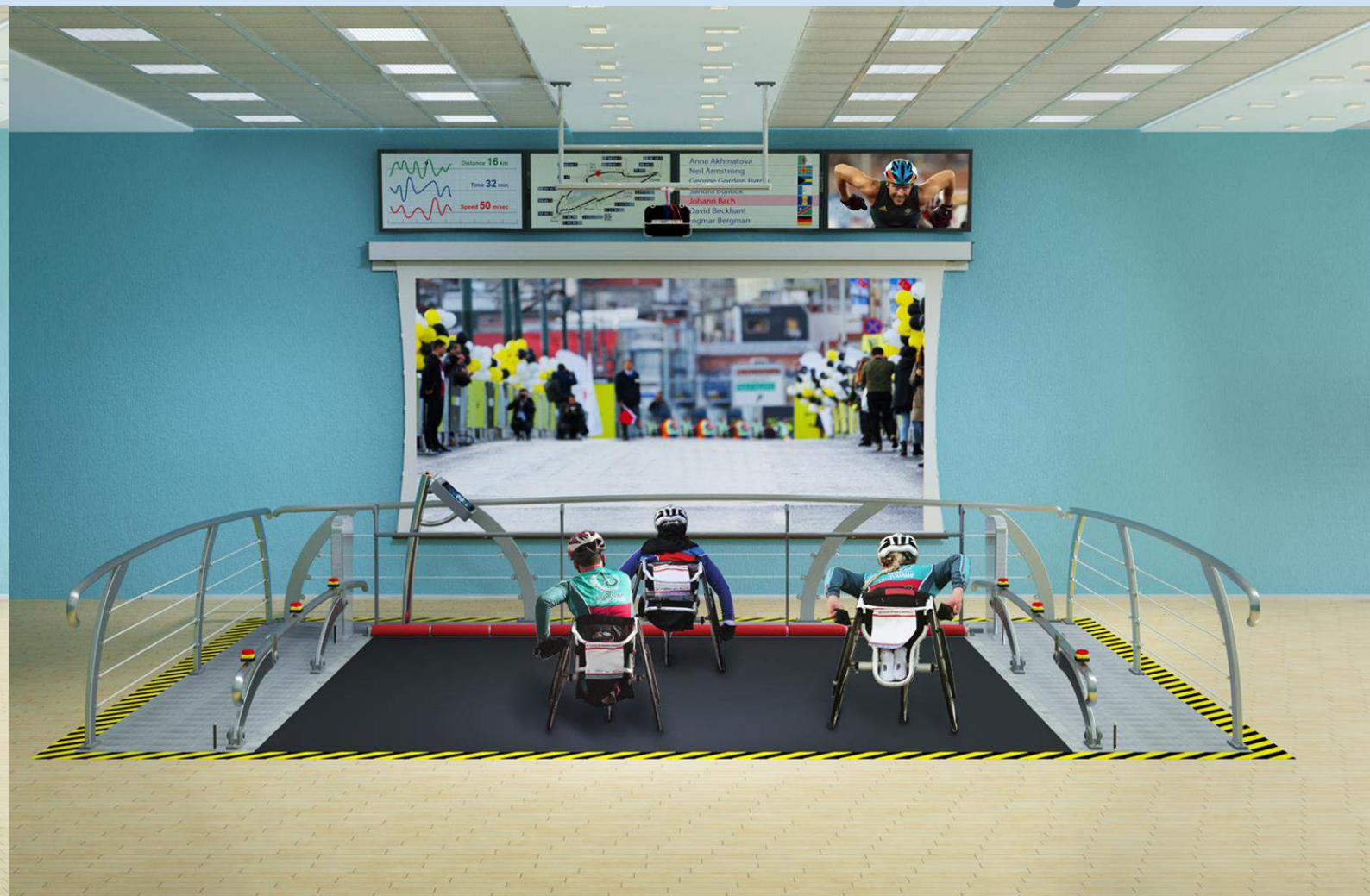
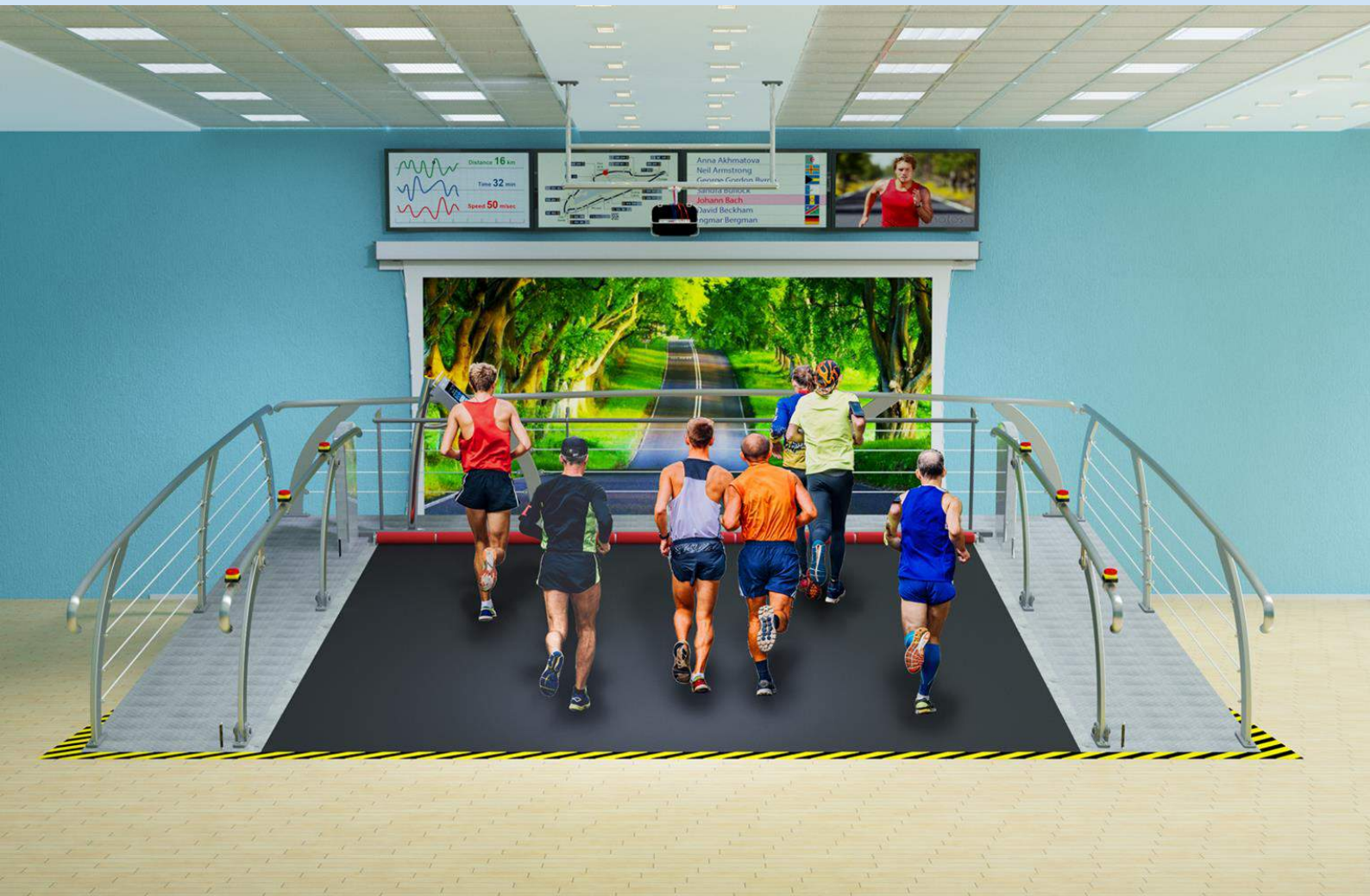
**Professional treadmills for group training
Multisport and Cross series**

«Fascinating and breath-taking sports!»

Multisport series

models: PRO-MS5, PRO-MS5/V, PRO-MS5/D





1. The biggest simulator for group training sessions;
2. A multi-purpose simulator for various sports;
3. Professional equipment is open to people with different level of skills;
4. Interactive visualization system;
5. Arrangement of competitions and marathons;
6. Big choice of premises, regardless the floor of a building;
7. Low installation expenses, Delivery of the equipment through a standard door/window aperture;
8. Low electric energy consumption due to recuperation system.

Kinds of sports: cycling, running, walking, roller-skis, wheelchairs and many other cross sports.

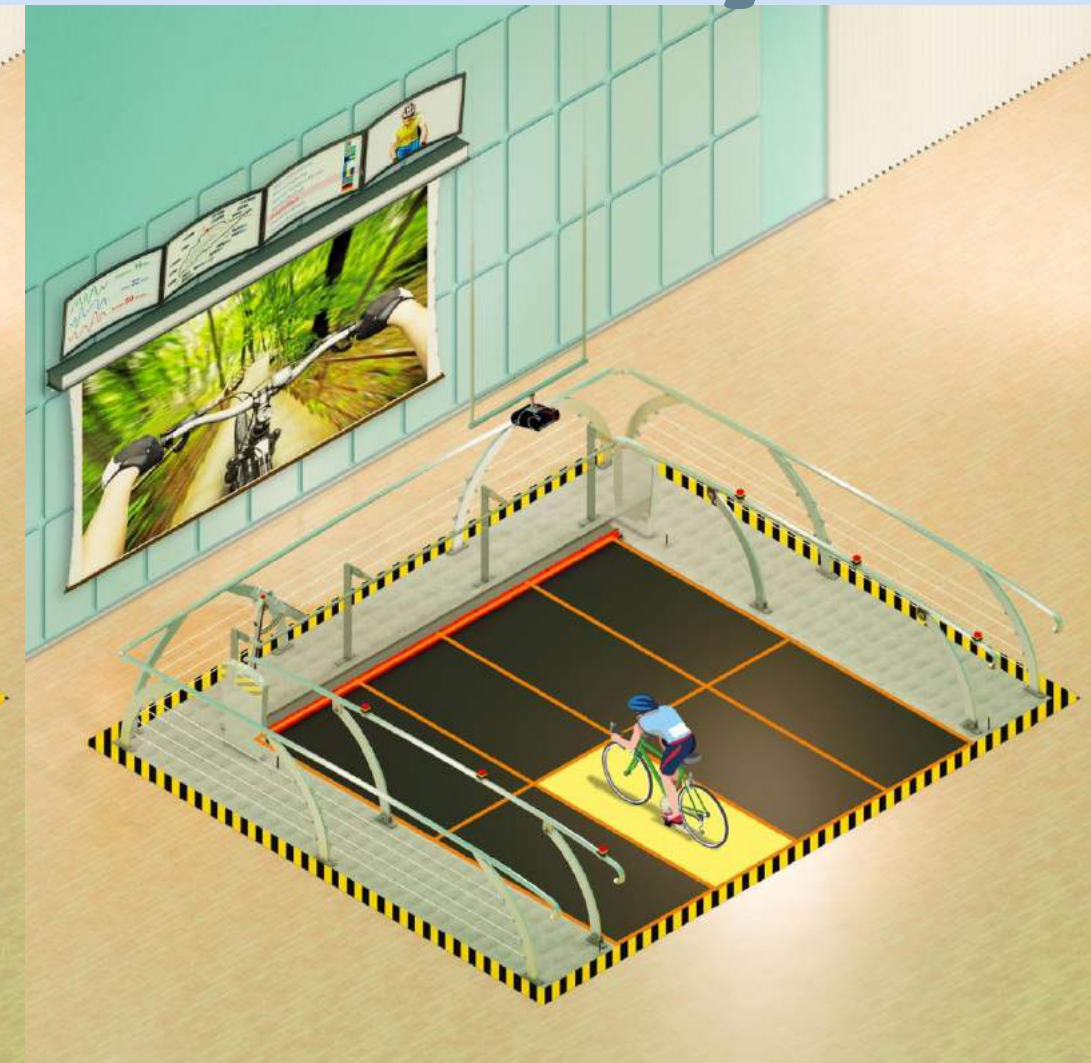
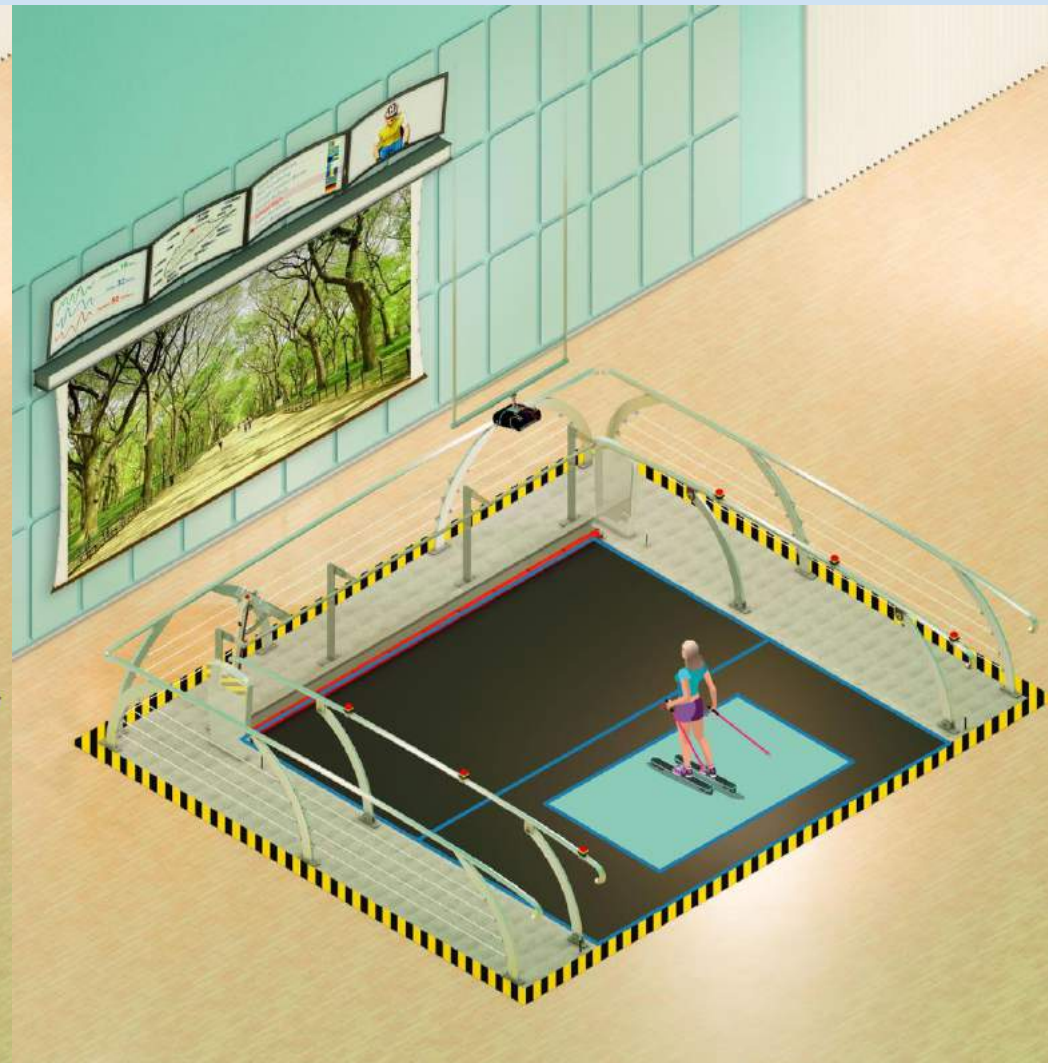
Purpose: group training sessions for up to 10 persons, depending on kinds of sports.

Level of skills: from a beginner to a professional, depending on the number of options.



Band intelligent control

Allows to continuously adapt speed of the band movement to the actual movement and speed of the athlete. At the end of the training system carries out. Intellectual band stopping with the warning signal.



Occupancy rates:

Cycling	4 - 8
Running	5 - 10
Wheelchair	4 - 8
Nordic skating Rollerskiing	2
Nordic Track Rollerskiing	4 - 8
Walking	5 - 10
Roller skating, Skateboarding	4 - 8
Wheel sledging	5 - 10
Wheel skeleton	4 - 8
Baby pram push	4 - 8

Suitability:

Professionals	Yes
Advanced	Yes
Developers	Yes
Novices	Yes
Visually impaired, Blind	Yes
Disabled, most impairments	Yes
Young children	Yes
Over 50's, Over 60's, Over 70's	Yes
Children's, Family groups/parties	Yes
Adults groups/parties	Yes

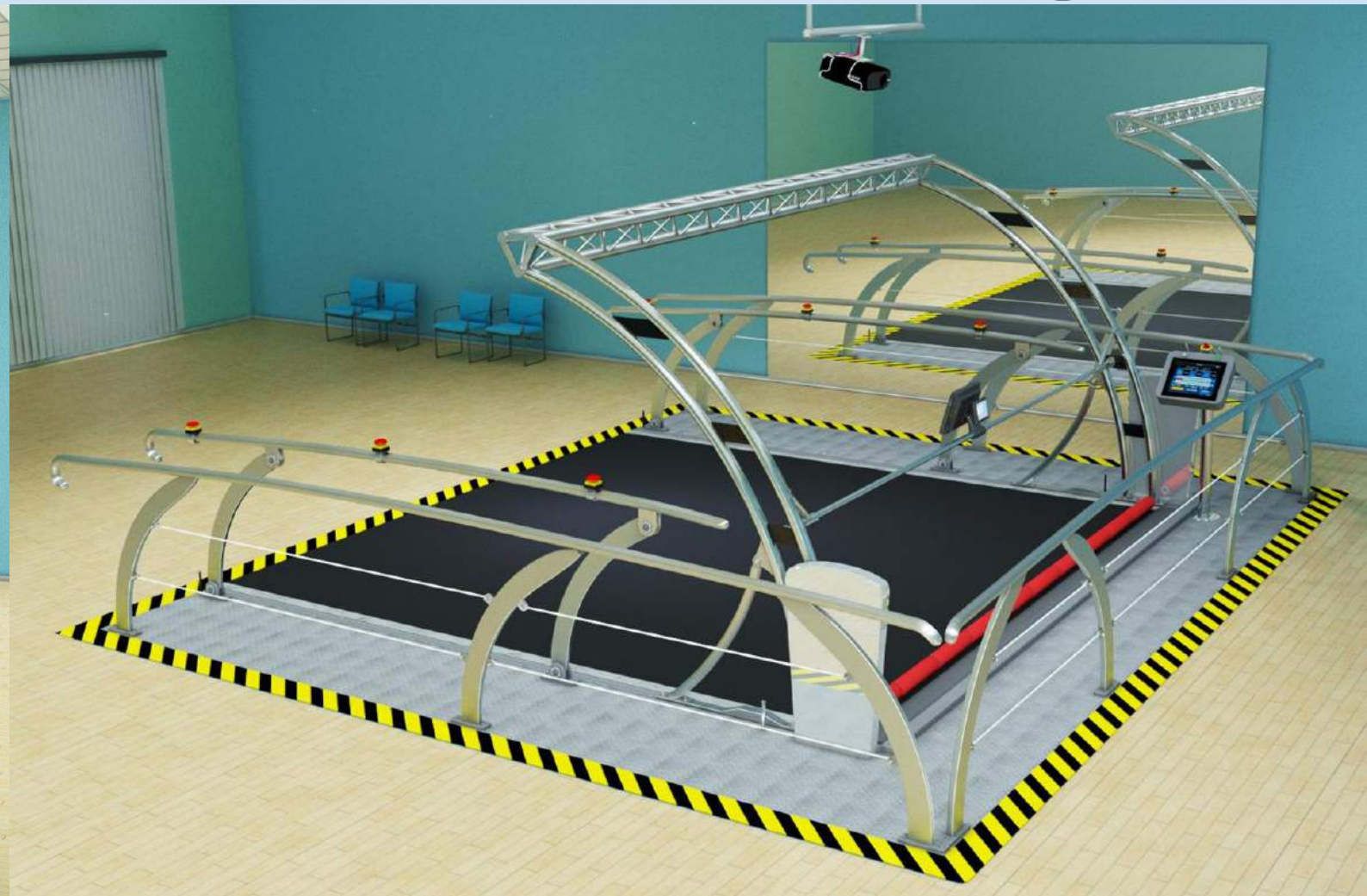


Sizes

Working surface area: 5000 mm x 5000 mm
 Static entry / roll-off area: 2000 mm
 Static side path area: 800 mm
 Static front path area: 800 mm

Dynamic characteristics

Speed of 25 km/h, 35 km/h, 45 km/h, 60 km/h, 80 km/h
 Acceleration up to 2m/s², up to 4m/s²



Platform tilting

Mechanism of the platform tilting is animated by two synchronically-operating electro cylinders. Angles of the platform tilting can be adjustable within the limits from -5° up to $+15^{\circ}$.

In addition: the individual characteristics of the simulator on request.

Models:

PRO-MS5 – Fixed angle, without adjustment

PRO-MS5/V – from 0° up to $+12^{\circ}$

PRO-MS5/D – from -5° up to $+12^{\circ}$
or from -3° up to $+15^{\circ}$

1. Increased surface speed up to 35 km/h
2. Increased surface speed up to 45 km/h
3. Increased surface speed up to 60 km/h
4. Increased surface speed up to 80 km/h
5. Increase Surface acceleration up to 4 m/c2
6. Safety rails for professional sports (Plexiglass + fencing stainless steel)
7. Safety suspension
8. Overhead frame installed on the ceiling for single safety harness
9. Bungee cords to create 'operating lanes' or 'operating areas' (for competitions)
10. Interactive visual system: (Software with synchronization speed; computer; full width electric cinema screen; full HD Cinema Projector; tracks kit)
11. Athlete remote control
12. Athlete from 19,5" up to 55' digital session display
13. The tracks programming system
14. Waiting area 52 inch HD sports screen
15. Real time slope function feed for real time social media playback and Session digital photograph record (3 pcs. cameras)
16. Automatic maintenance
17. Statistics and Billing System: Proleski®
18. The Software Module for booking
19. The Online Software Module for booking Proleski CLUB®
20. Annual support
21. The access system
22. Ergo-spirometry system + software "Physiology Proleski®"
23. Extended warranty 5 years
24. Recuperation system





without oversized transportation



no need to build a access road



do not need a special place to unload



without load-lifting machines



do not need to destroy the walls



do not need a special lifting mechanisms inside the room and a lot of staff

Easy unloading and carrying of the equipment,

due to the delivery of a simulator in a disassembled form: separate units and details, it is also possible to bring the equipment inside manually without using special lifting mechanisms and through standard building apertures and stair flights of all components. Without the necessity to break the walls down to bring in the assembled/complete simulator. The details are made considering construction rules and regulations, with out-to-out of 5m x 0,5m x 0,5m and weight up to 450 kg. Easy installation of the simulator without building the rails in the ceiling for overhead cranes and performance of design works for them.

Big choice of premises:Height of the ceiling and/or pit depth:

The dimensions of a simulator in the Z-axis are decreased to the maximum of 700 mm. These numbers allow to use the simulator in premises with the ceiling height of 2,8, and for the simulator with the belay option, the height is 4,2 m with the pit (the depth is only 700 mm) of 3,5 m.

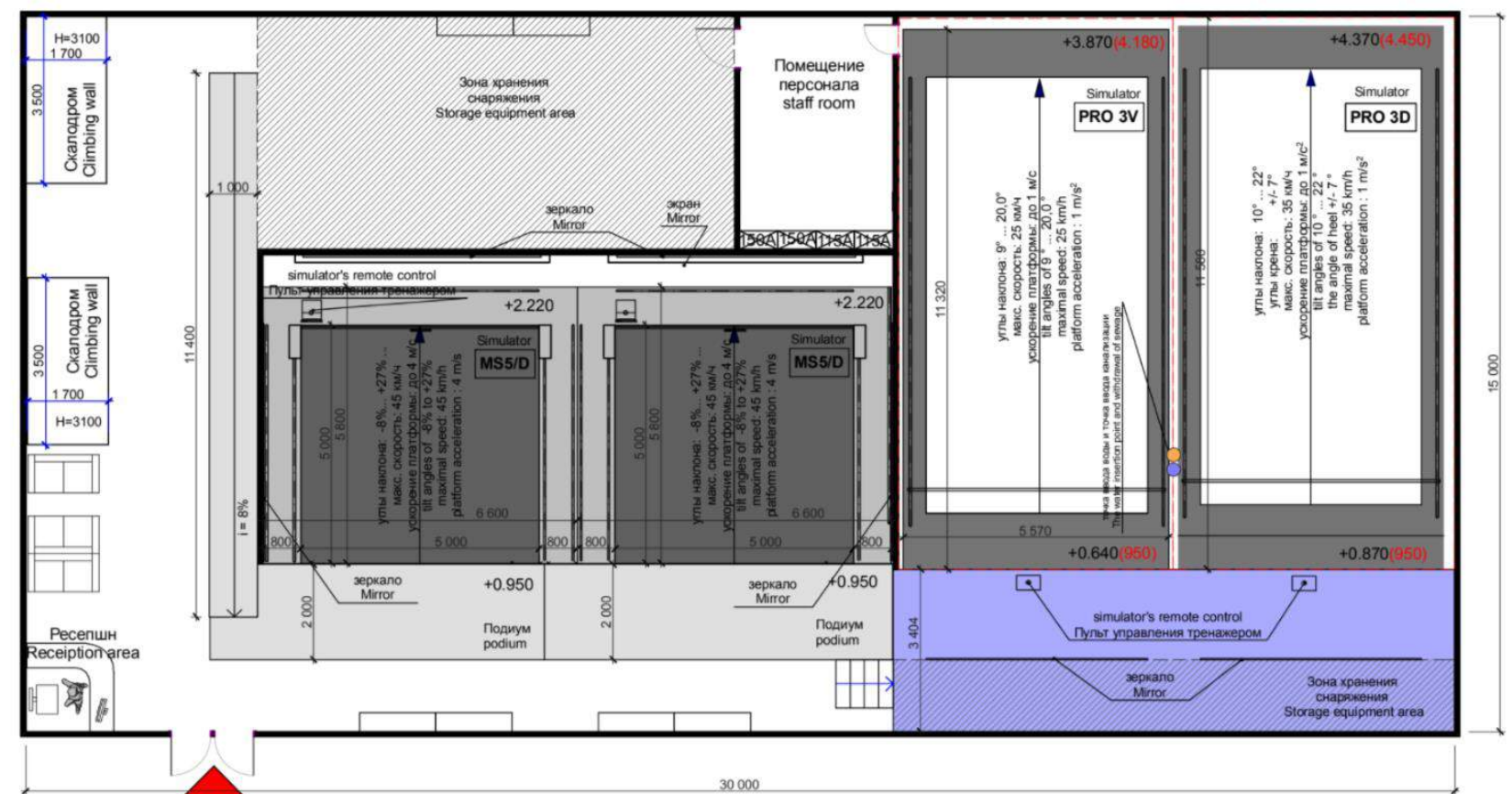
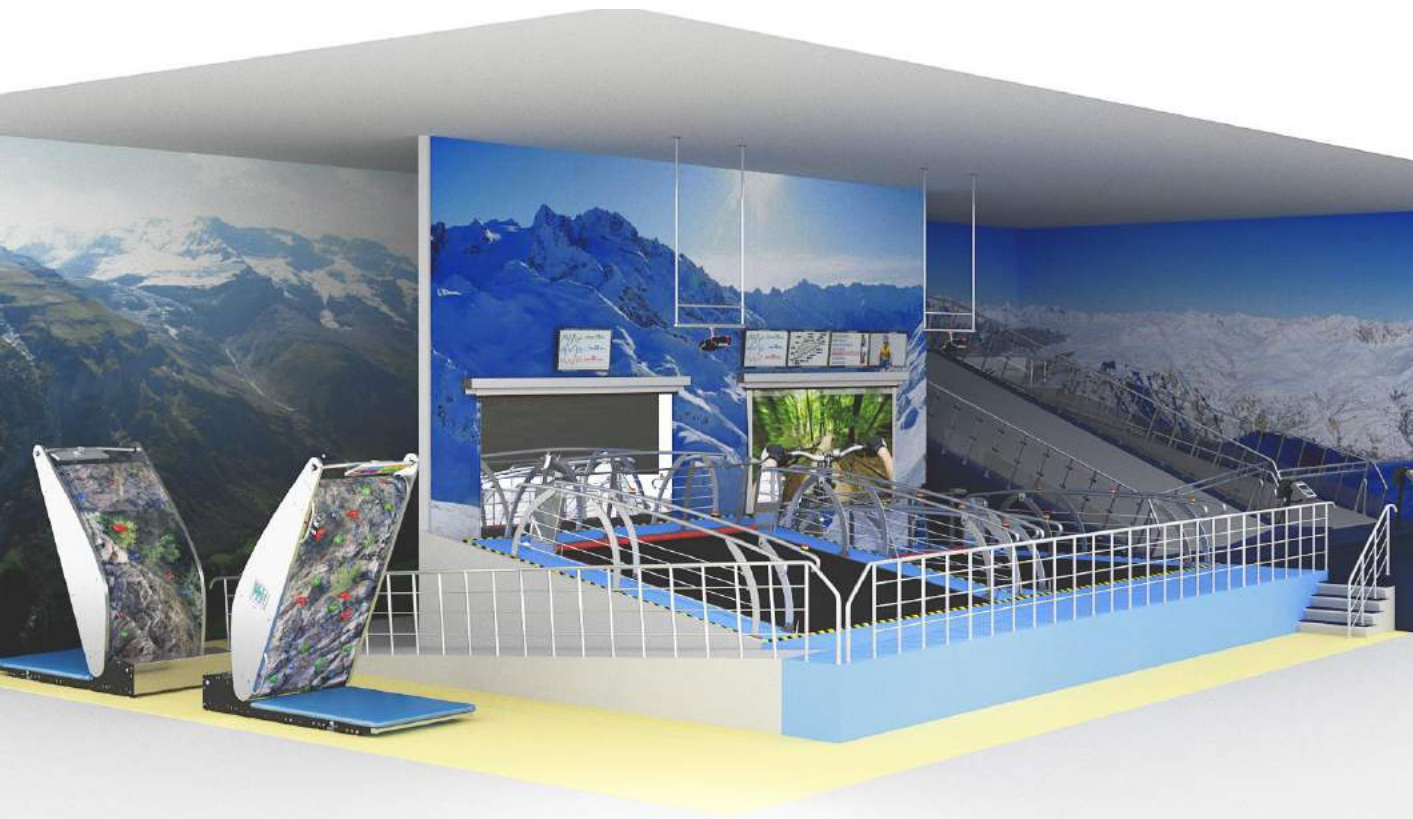
Floor load:

The weight of the simulator is 4 t, thus it allows to distribute the floor loading of a building and place the machine on any floor of a modern building;

We have vast experience of equipment installation on various floors of a building.

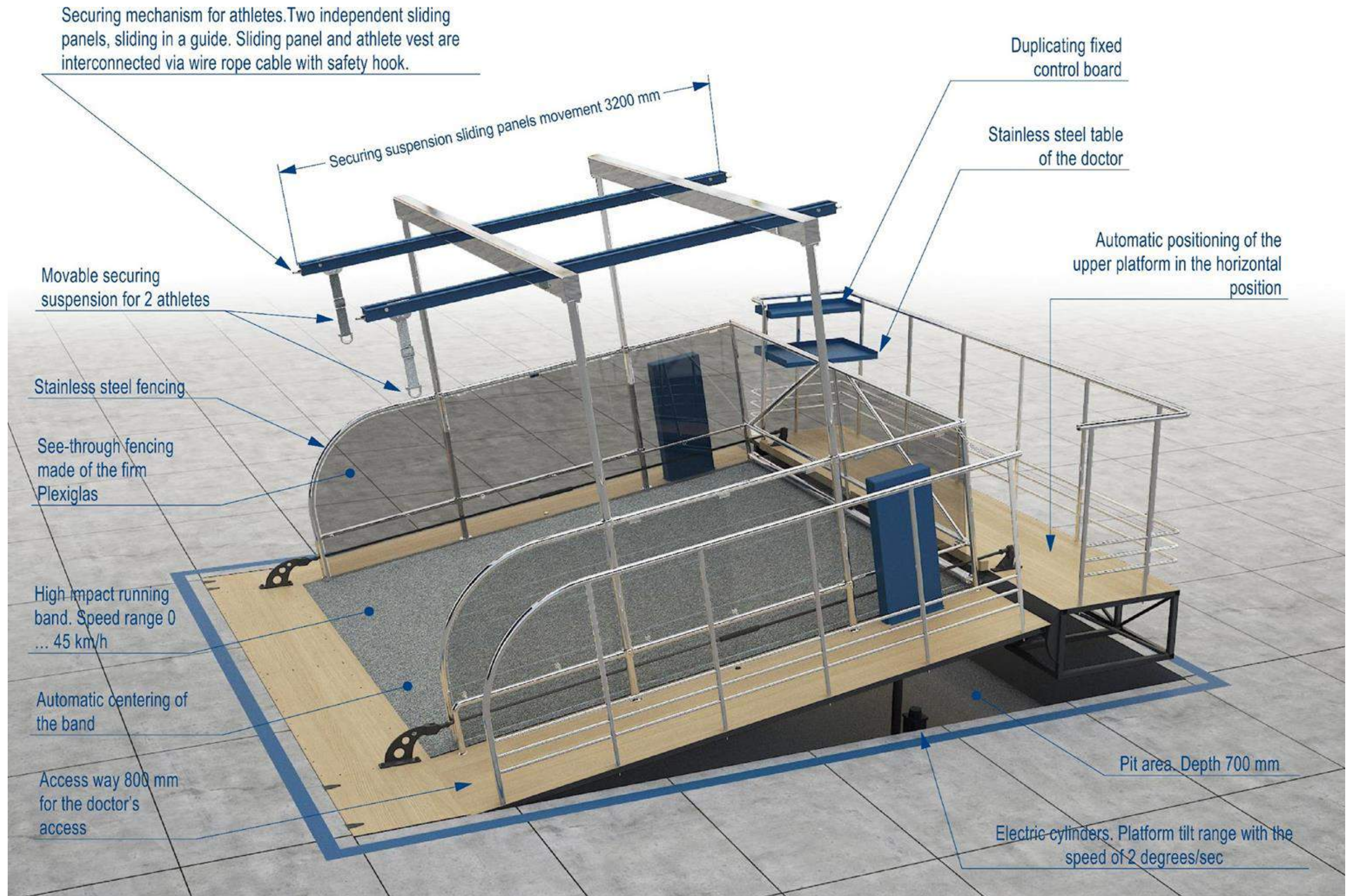
Lower fire safety class of the building:

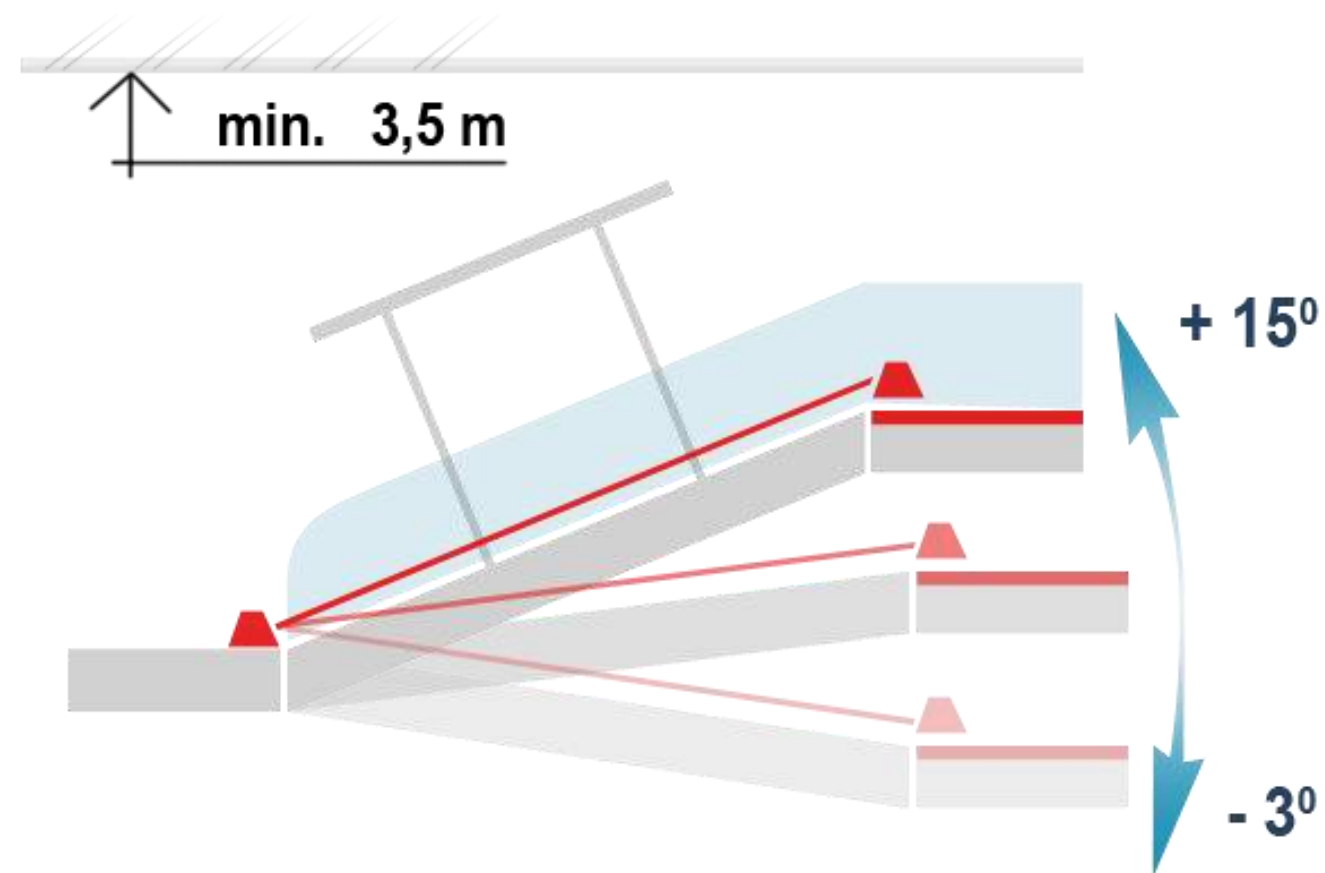
Electric cylinders instead of hydraulic cylinders allow to lower the fire safety class of the building and to spare investments from creating thicker walls, floors, additional rooms for the hydraulic station.



series Cross

model Pro1 Cross Olympic





Platform tilting

Mechanism of the platform tilting is animated by two synchronically-operating electro cylinders. Angles of the platform tilting can be adjustable within the limits from -3 degrees up to +15 degrees, or from -5 degrees up to +12 degrees.

Automatic positioning of the upper platform in horizontal position

Synchronization mechanism maintains upper platform, provided for staying of the coach or doctor, in the constant horizontal position at any state of the platform tilt, ensuring that coach and doctor can comfortably work on the platform during all process of training. Minimum height of the ceiling for this model should be not less than 3,5 m.



2
people

45
km/h

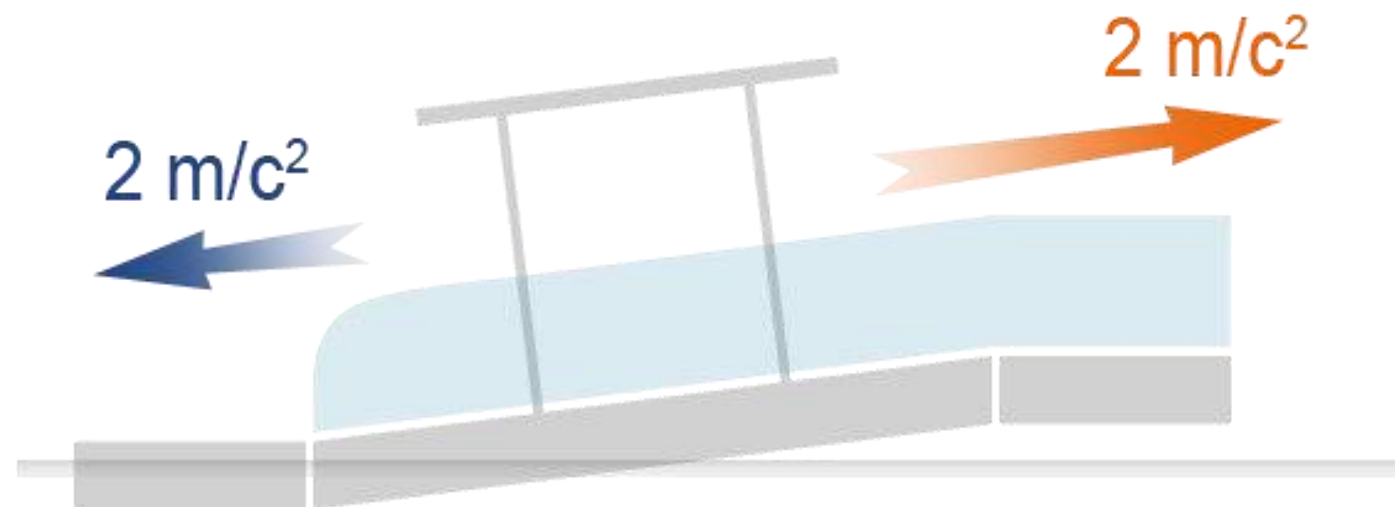


Simultaneous training of 2 athletes

Simulator PRO1 CROSS OLYMPIC has an option of wireless frequency measuring of the heart contraction with the use of belts Polar.

Stabilization of the physiological parameters

Using ergospirometry system and thanks to the synchronization of the data received from it with the controller module PRO1 CROSS OLYMPIC with help of the software «Physiology Proleski», trainings efficiency can be advanced, in the course of which take part coach and doctor.



Simulator speed characteristic

Band speed range: from 0 km/h to 80 km/h.

Dynamics of the band speeding up

Simulator has extended parameters of speeding up and slowing down of the band:

Time rate of change up to 4m/s²;

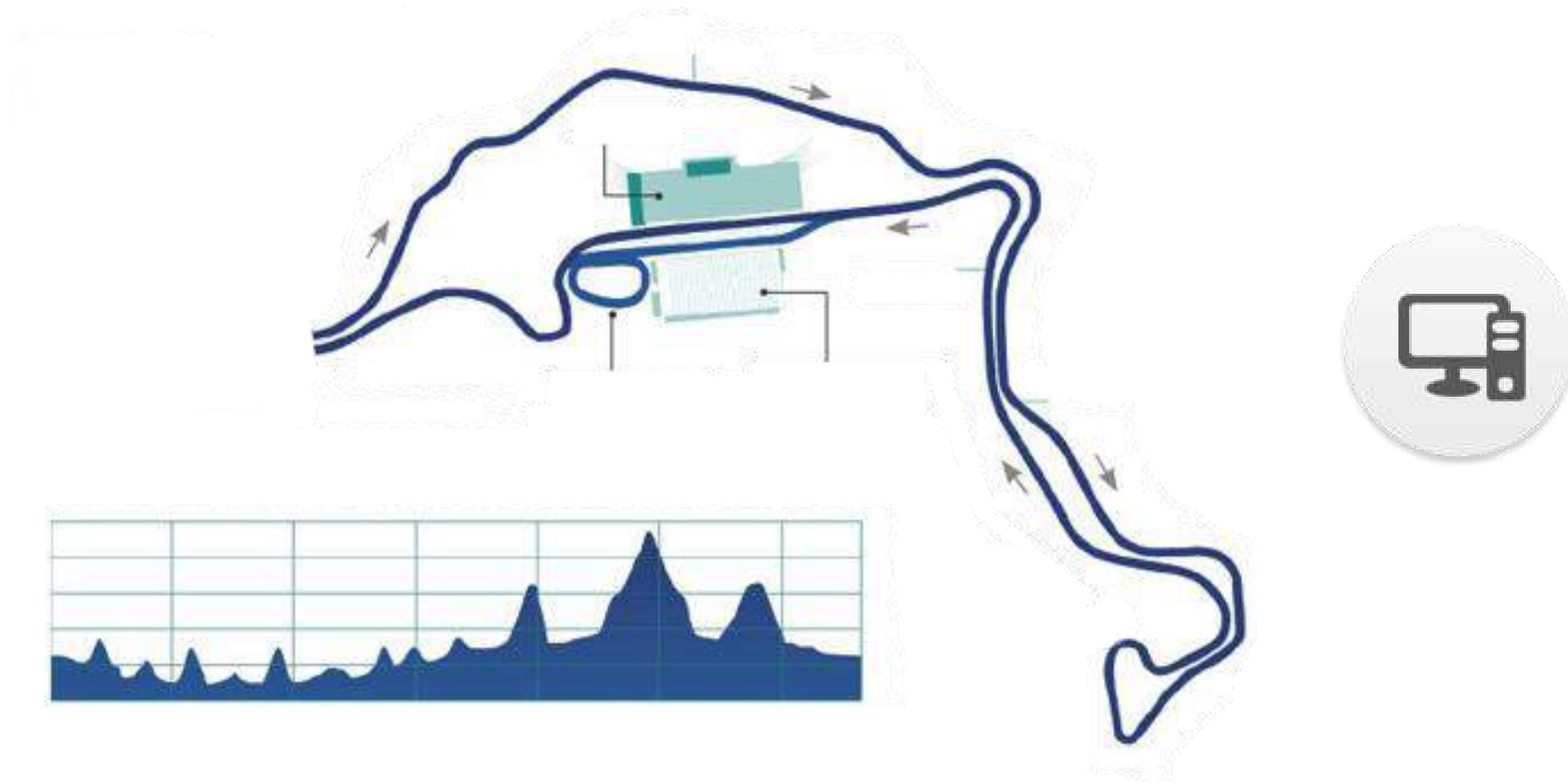
Speeding up at the acceleration up to 4 m/s².

Energy consumption

Average energy input constitutes 3,8 kW/h. Saving of the electric energy consumption is achieved by means of using electro cylinders, that have electric energy input only at the moment of the simulator platform tilting angle. In the remaining time there is electric energy input only for engines that are drive moving the band.

**Band intelligent control**

Allows to continuously adapt speed of the band movement to the actual movement and speed of the athlete. At the end of the training system carries out. Intellectual band stopping with the warning signal.



Slopes programming system

Allows to simulate and model any slope by the range of the preprogrammed axis parameters: speed of the band, range of the tilt angles, and also duration of each separate parameter at the platform angles tilt changing.



Automatic maintenance

Automatic maintenance system carries out scheduled lubrication of the assembly components of the simulator, bearings and lifting mechanisms without participation of the maintenance staff.



Software “COACH”

Simulator is operated with help of the program software, supplied with computer facility and simulator. Computer control software “COACHP” allows to control all basic functions of the simulator on the convenient for tasks implementation and display on the big touch-screen monitor all datum of the work-out session, compose reports, diagrams and carry out it's statistics, using also different required registers.



Standards

System of the simulator PRO1 CROSS OLYMPIC meets the standards of the quality control ISO 9001, EN 29001/CE, there is protection function from the injury by current.

	No	Name	Cross Olympic	Pro1 Cross
Main characteristics	1	Working length, mm.	4500	4500
	2	Working width, mm.	3000	3000
	3	The angle of the platform, degrees °	V: -4°+ 15°	V: -4°+ 15°
	4	The maximal speed of the belt base/option, km/h	45(60;80)	45
	5	Dynamics of the band speeding up, (option) m/s ²	2 (4)	2
	6	Speed of inclination change, °/second	2°/s	2°/s
	7	Speed adjustment inclination change / option , m/s ²	0,25 / 2	0,25 / 2
	8	Ergo-spirometry system + software "Physiology Proleski"	option	option
Area requirements	9	The height of the ceiling at the maximum angle, m	4,3/3,5*	4,3/3,5*
	10	The height of the podium or the pit depth, mm	840	840
	11	The width of the mounting spot, at least	4700/4900	4700/4900
	12	The length of the mounting spot, at least	6830	6830
	13	Weight, kg	5000	5000
	14	The distribution of the load on the number of heels	4	4
	15	Noise level, dB	<65	<65
	16	Delivery of the equipment through a standard door/window aperture	Largest dimensions of the Proleski simulator details are: 5570(L) x 1000 (S) x 300 (h). Maximal weight is 600 kg. Trolleys (2 pcs.) for shafts transportation are included into the order.	
	17	Type of lifting mechanism	Electric cylinder, 2 pcs. Include: ball-screw pair, motors, frequency converter, CNC control system of the Siemens trademark.	
	18	Additional investments to improve the fire safety of the building according to international requirements for public buildings.	no need	

exploitation	19	The average power consumption kW / h	7 kW	7 kW
	20	Automatic maintenance	+	+
	21	Recuperation system	+	+
	22	Electronic system for diagnostics of the simulator	+	+
	23	Belt stability system	automatic	
design features	24	The supporting structure, processing	powder coating or galvanized	
	25	Fencing	stainless Steel + plexiglass	stainless Steel
	26	Automatic alignment of the upper platform horizontally	+	no
	27	The pass for the operator 800mm + workstation + operator's remote control	+	no
	28	Work cover for professional treadmill	Three-layered, composite, green or black -colored, worked with whisper fabric	
	29	The shafts are covered with rubber	+	+
control	30	Variable speed control	+	+
	31	Stationary Remote Control	2 pieces	+
	32	Stationary remote control "Future" (Touch Screen)	option	option
	33	Remote	Full	+
	34	Adjustable acceleration of the ski carpet and adjustment inclination change	+	+
	35	Indication display LCD V - km / h, S - km, T - min, (tilt angles)	19,5"	19,5"
security	36	Brake module for quick stop	+	+
	37	Band intelligent control	by sensor position	option
	38	Safety suspension	2 pieces	option
service	39	Technical support	24/7	24/7
	40	Warranty, years	2	2



Warranty 24 months
Extended warranty up to 60 months
Remote diagnostics
Service 24/7
Certificate: CE

PROLESKI Group

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