PORTFOLIO

INDUSTRIAL DESIGN

2019–2023

AREG KHALATYAN

+37498963088

aregxalatyan@gmail.com

Bē AREGdesign

in ar-areg

INDUSTRIAL DESIGNER

SOFTWARE PROFICIENCY

- 3DS Max
- Adobe Illustrator
- Adobe Photoshop
- AutoCAD
- CorelDraw
- KeyShot 3D
- Rhinoceros 5
- Solidworks
- Cura Slicer
- V-Ray
- KiCad
- Visual Studio
- VS Code
- Arduino IDE

PROGRAMMING LANGUAGES

- C#
- C++

LANGUAGES

- English
- Russian
- Armenian

TECHNICAL SKILLS

- Industrial Design
- Graphic Design
- CAD Design
- 3D Modeling
- Sketching
- Technical Drawing
- Drawing
- Sculpting
- CNC Machining
- Laser Cutting
- Vacuum Forming
- 3D Printing
- PCBs Fabrication
- Ceramics Work
- Leather Crafting
- Artistic Metalworking
- Model Making
- Prototyping

EDUCATION

How To Make Almost Anything
Fab Academy, The Center for Bits and Atoms
Massachusetts Institute of Technology
Jan 2024 - Aug 2024
Dilijan 3905, Armenia
Moldavakan 77

Bachelor of Industrial Design
National University Of Architecture
And Construction Of Armenina
Sep 2019 - Jun 2023
0009, Armenia, Yerevan,
Teryan 105

High School Diploma
"H. Kojoyan" art educational complex
Sep 2013 - Jun 2016
Armenia, Yerevan,
2/1 Mashtots Avenue ,

Artist-Designer
H. Igityan National Center of Aesthetics
Jun 2008 - Aug 2016
Armenia, Yerevan,
Moskovyan 37

PROFESSIONAL EXPERIENCE

Freelancer / Designer
Freelancehunt
Jan 2020 - Jun 2023

Leather goods designer
AR design & accessories
Jan 2012 - Present
Yerevan

Set Design Assistant
Academy Films
Mar 2022 - Jul 2022
Yerevan

Decorator
THE AMAZING RACE
Oct 2018 - Dec 2018

Set Design Assistant
"Gate to heaven" film
Jun 2018 - Aug 2019
Stepanakert

Assistant Director
Elite box
Jan 2018 - Apr 2018

VOLUNTARY INTERNSHIP

RoboDell Technologies
Designer/Sketcher
Jun 2020 - Aug 2020
Yerevan

CERTIFICATES AND DIPLOMAS

Diploma **MOA «Assocation of Designers»** **«Industrial and Product Design»** category 2023

Diploma **MOA «Assocation of Designers»** Best final qualifying papers **Special diploma** 2023

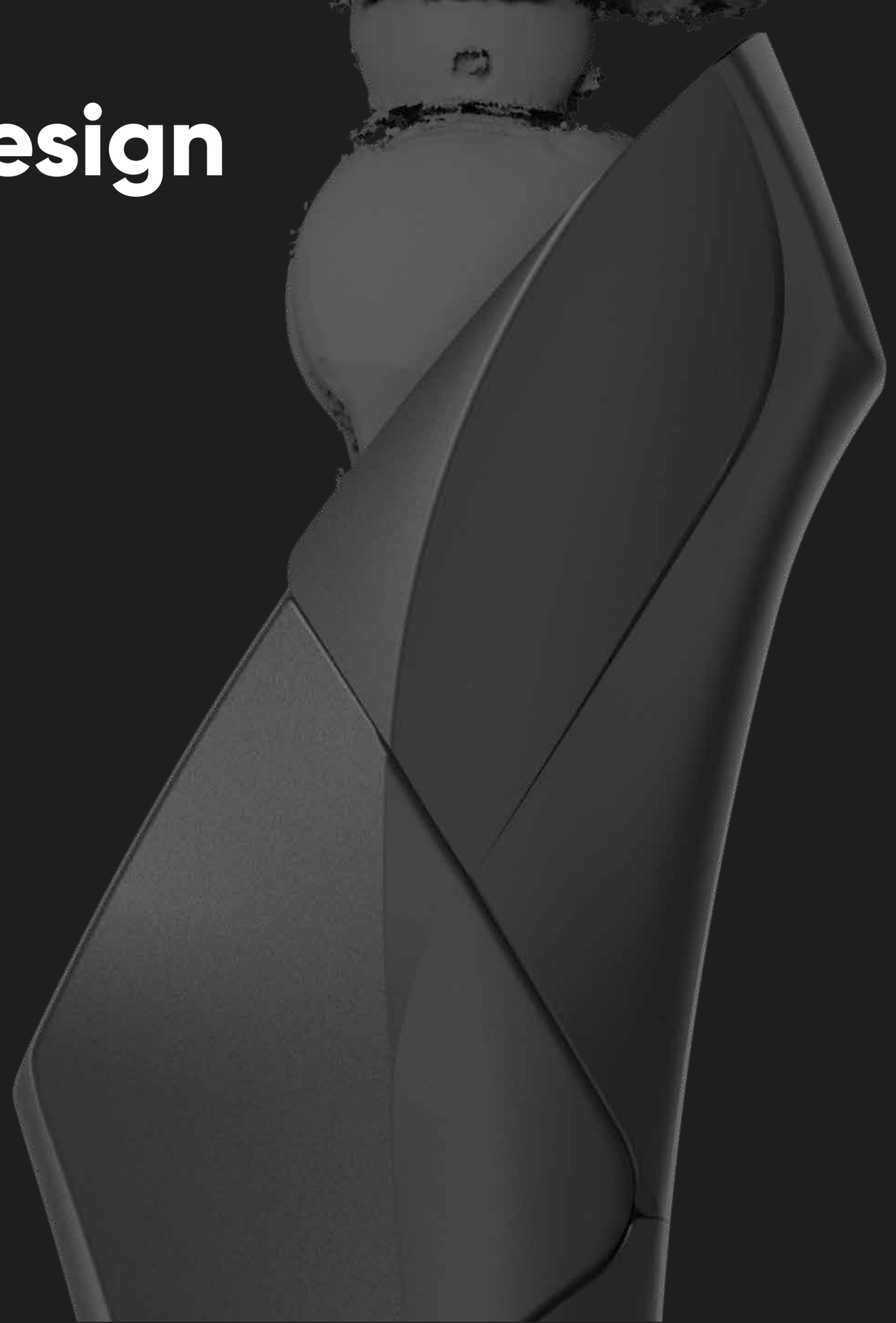
«MOOCAO - 2023» XXXII International review competition in architecture, design and art. **Certificate 1st degree** 2023

«Designathon» Industrial Design Hackathon awarded the **First Prize** in recognition of outstanding achievement 2023

«Golden ArchIdea- 2023» XXII International youth festival of architecture and art **Certificate 1st degree** 2023

"Adobe User Group" Adobe Photoshop and Adobe Illustrator 4 months of training certificate 2022

Prosthetic cover design
For RHEO KNEE®



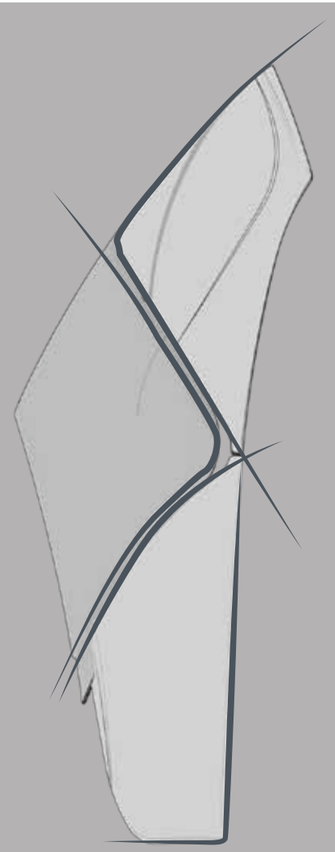
Areg Khalatyan
Elen Grigoryan
industrial designers

Function

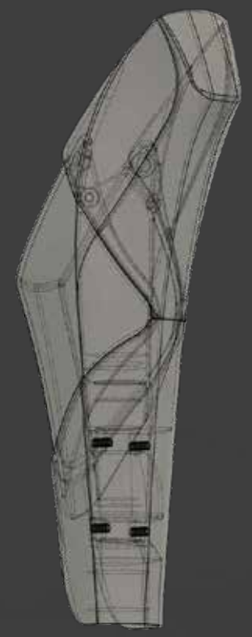
Durability
separation instead of breakage, protection from distruction due to small surfaces

Efficiency
restore requred part instead of all

Compact
ability to fit into any size 3D printer

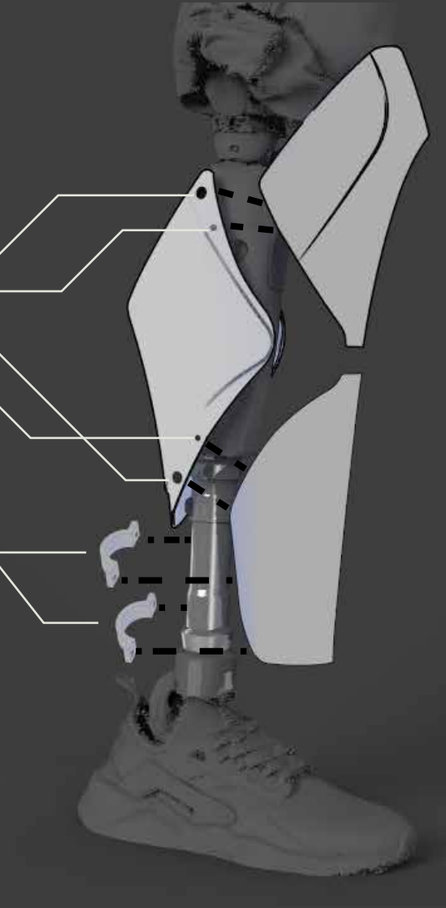


Construction

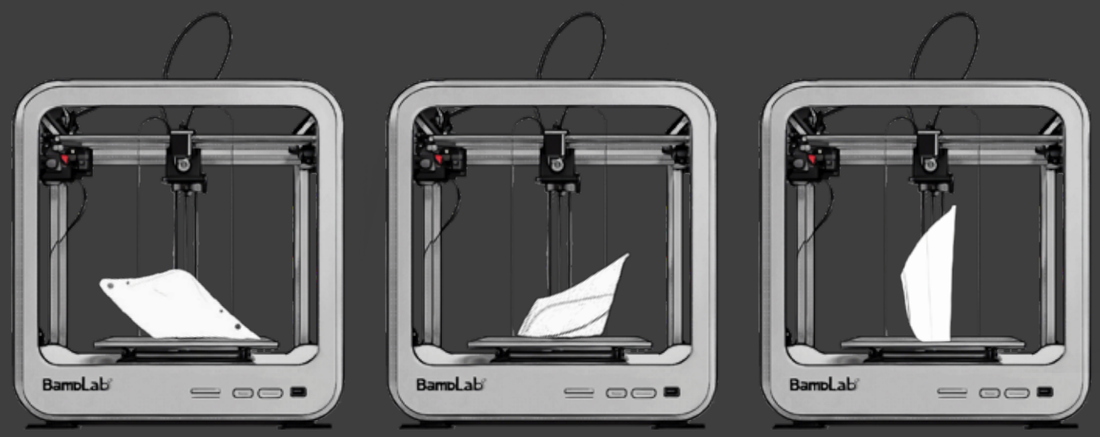


magnets
d=5mm h=5mm
d=10mm h=5mm

pipe clips



Producing process



technology - 3D printing
filament material - PET

post processing

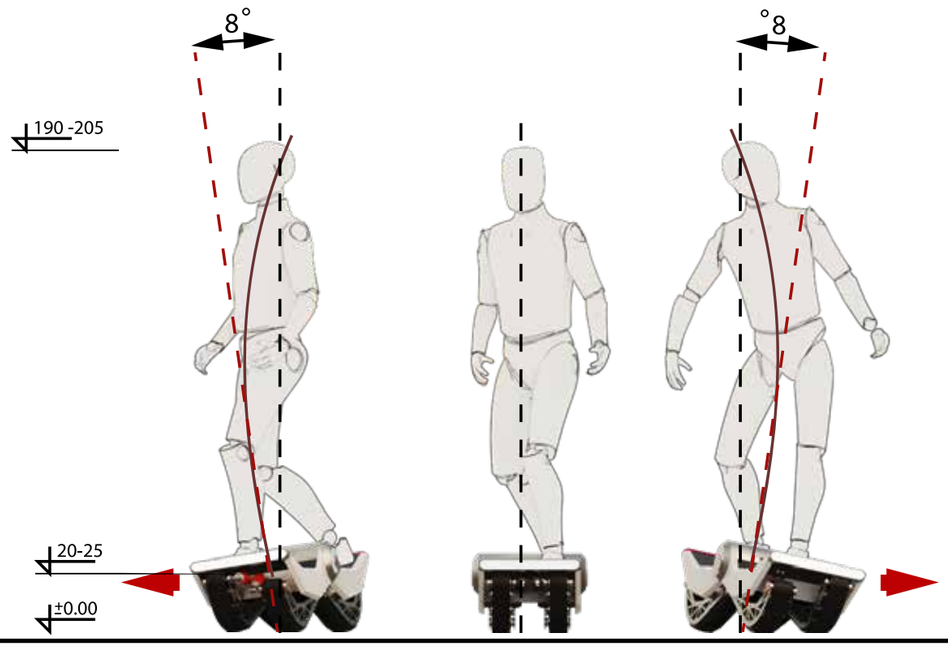
- Support Removal & Cleanup
- Sanding
- Priming
- Painting with spray

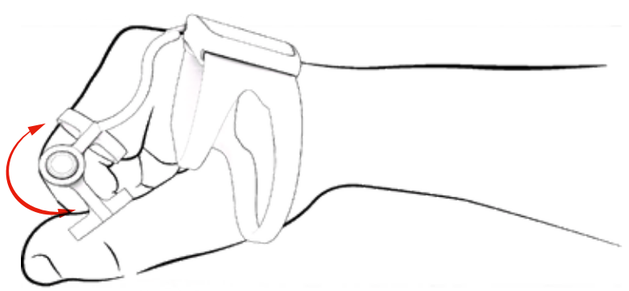
Prosthetic cover design
For RHEO KNEE®

BEZOAR

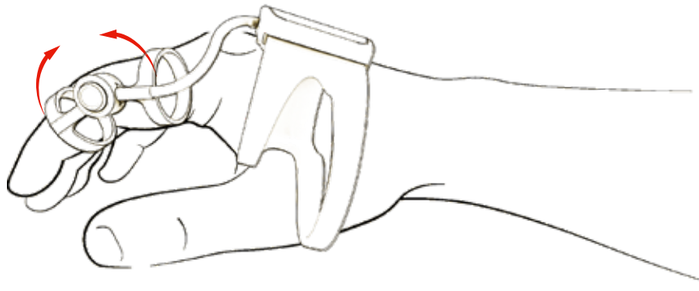
"BEZOAR" is designed for comfortable movement in all areas where the terrain is difficult. It solves the problems in the urban infrastructure related to congestion, difficult terrain. Being an electric skateboard, it facilitates movement not only in the city, but also in the natural landscape zone.

CONTROL & ERGONOMICS





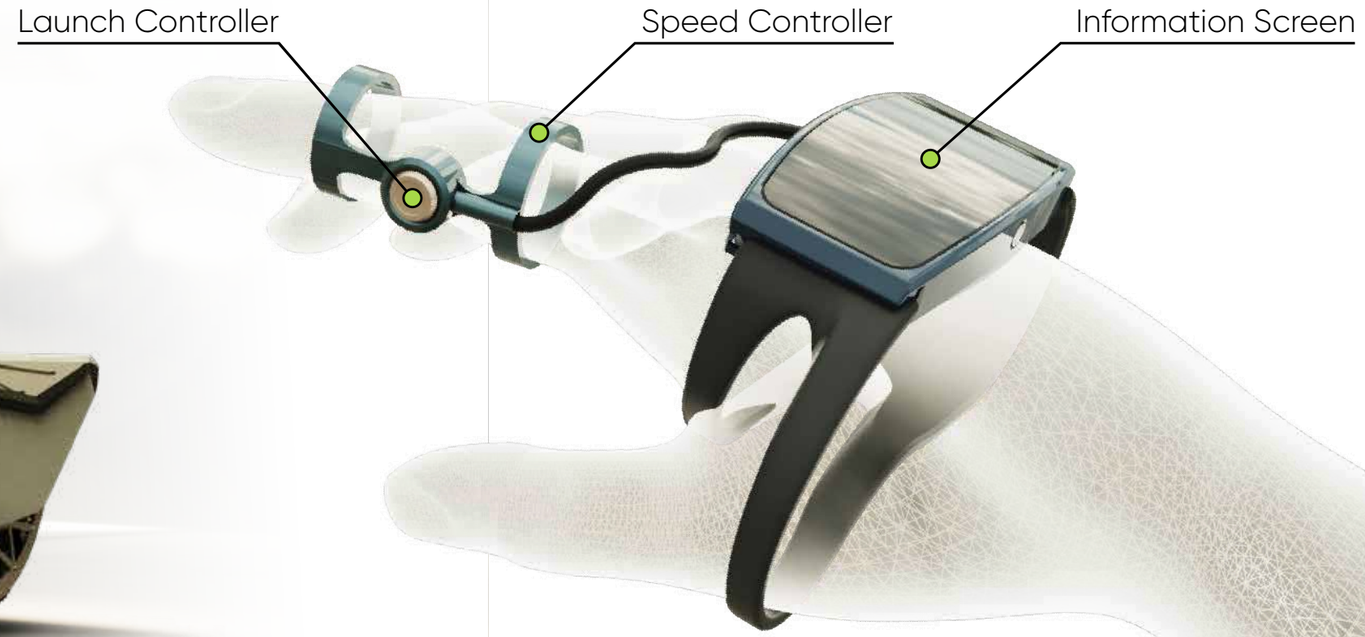
Forward / Acceleration

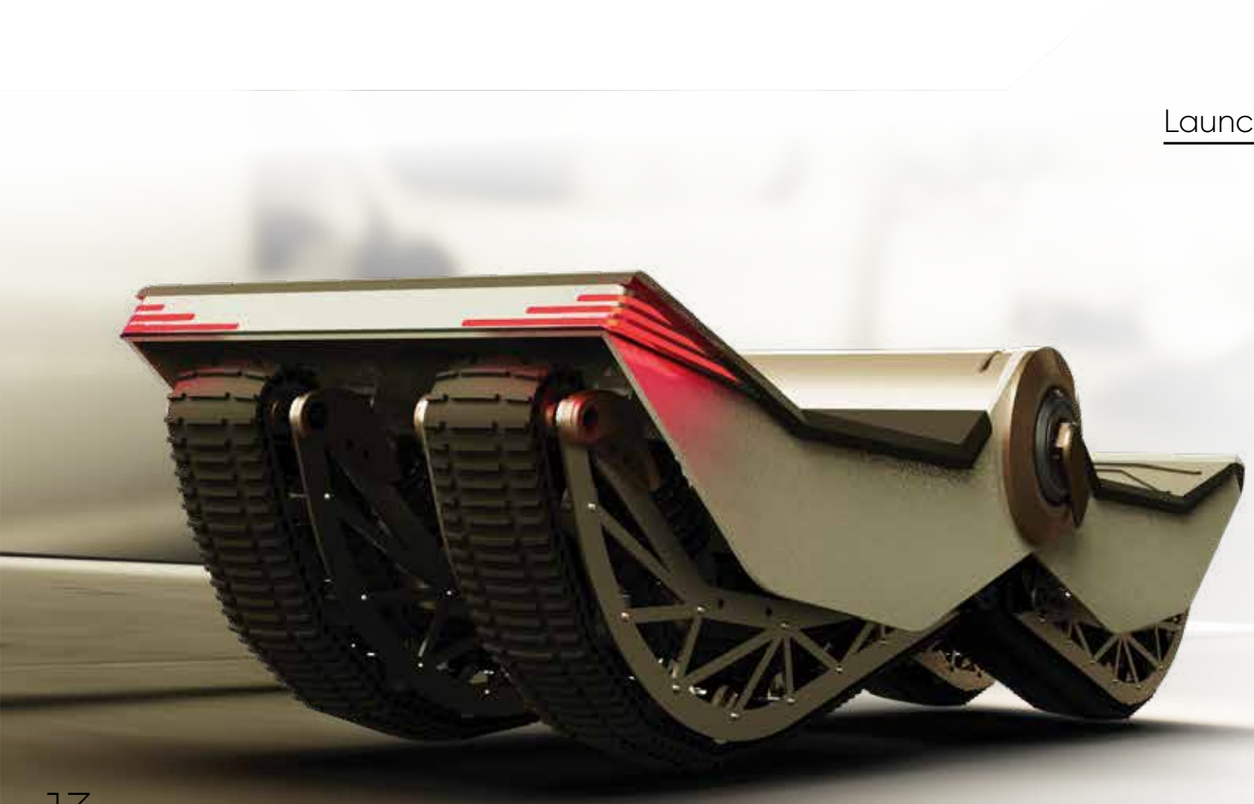


Reverse / Stop

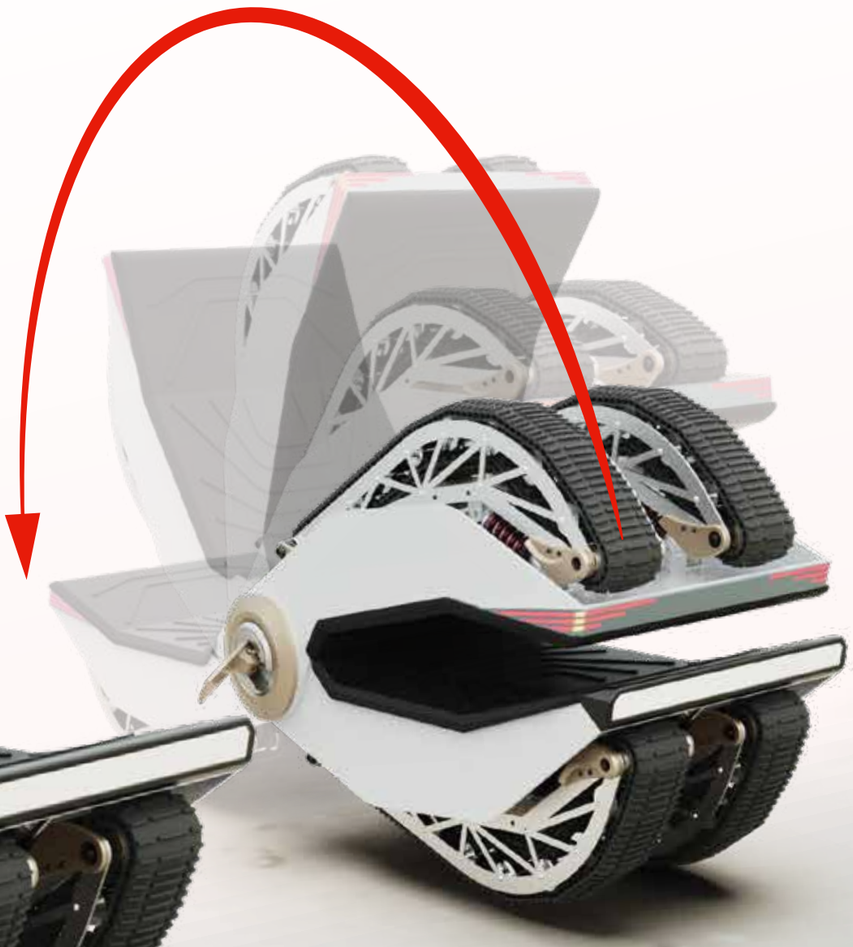
When exposed to the weight of a person, the center of gravity changes: when tilted, one platform is compressed, the other opens, which ensures rotation during movement.

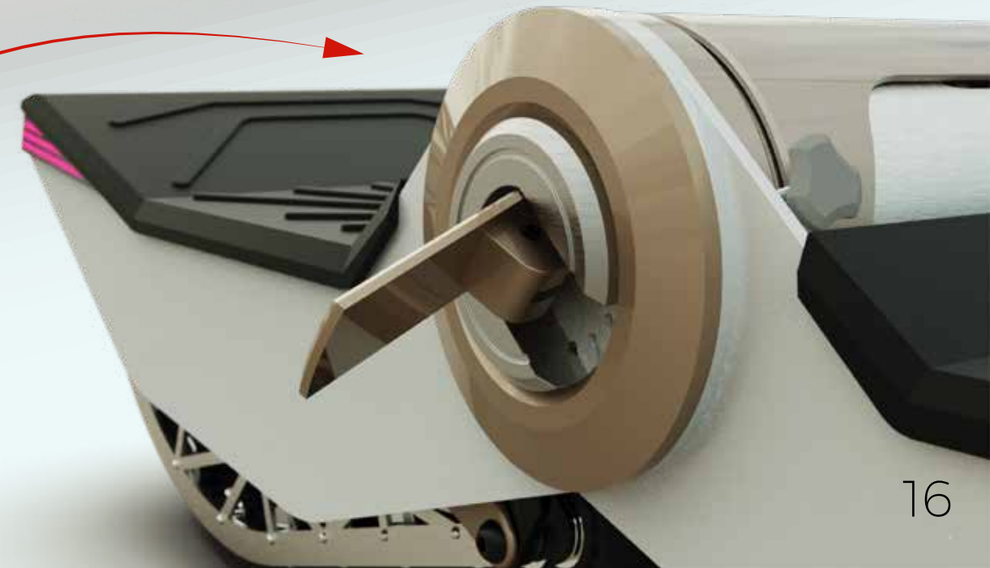
Control Device





TRANSFORMATION



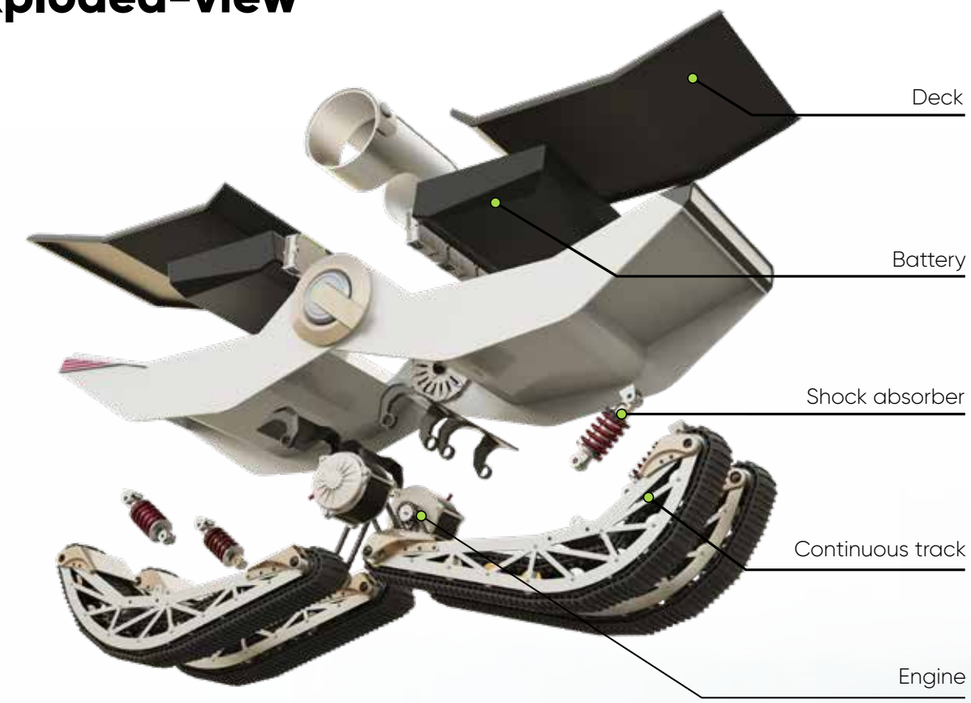


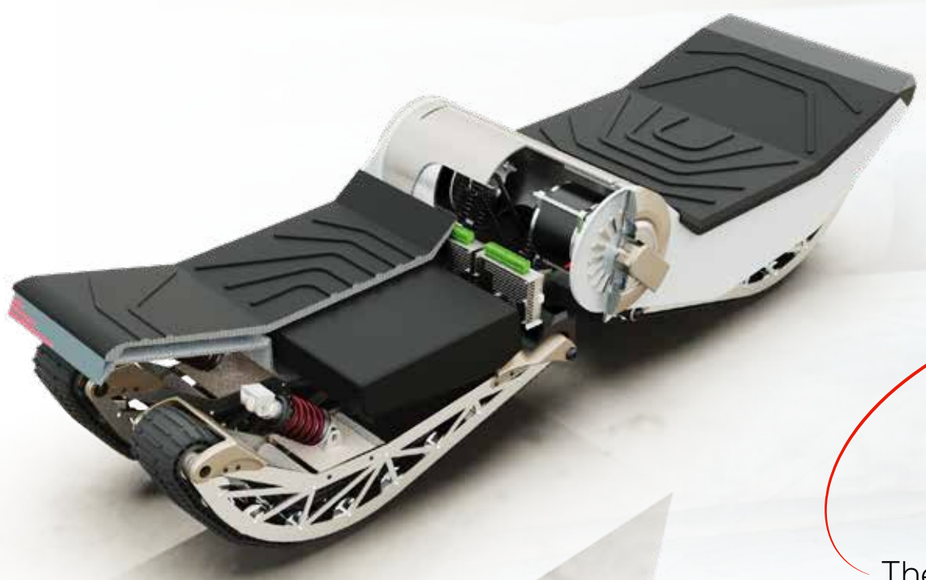
Eccentric Clamp

The transformation makes the car more compact for easy transportation and storage.

CONSTRUCTION & INNOVATIONS

Exploded-view





The belt of the caterpillar consists of grooved cells, which absorbe the shock caused by unevenness, increase contact with ground. In addition, it is more flexible and allows for maneuvers

The general suspension system from innovations is completely new. This new type of crawler has been synthesized with the suspension system and received new features: ability to control the slope, smoothness and softness of the course, overcoming obstacles and climbing stairs.

MODULAR
EXHIBITION PAVILION

The pavilion is designed to demonstrate the activities of the NUACA faculties. Modules and additional details allow you to assemble the pavilion in accordance with the requirements of the environment. There are 4 main modules, which in turn are assembled from other modules and structural elements.

«ARC»

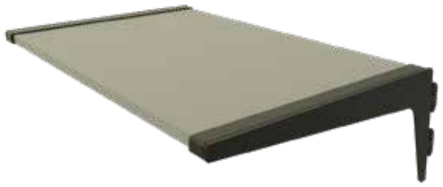
«HAZARSHEN»

«OVAL»

«NUACA»

STAND

- Laminated chipboard
- Steel sheet



CLAMP

- Plexiglas

BROCHURE STAND

- Plexiglas

CEILING AND LIGHTING

MAIN MODULE

Performs a carrier function for other modules, can be used separately

CHANGEABLE PANEL

1.Lighting device

2.Exhibition stand

3.Billboard

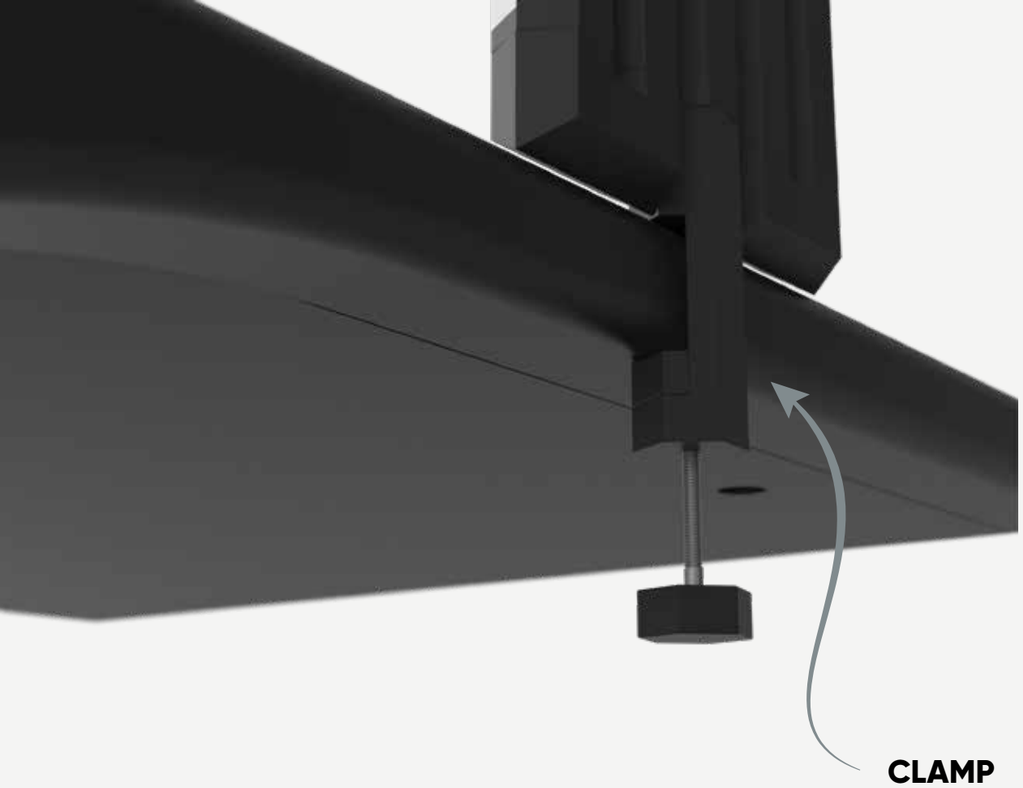
T-LEG

"T-LEG" is a two level table designed for people that work from home lying It consists of two separate surfaces. The upper one is for working space and the lower for putting things on. The point of having two different surfaces is for keeping workspace clean from food and to low risks of spilled coffee on your laptop.

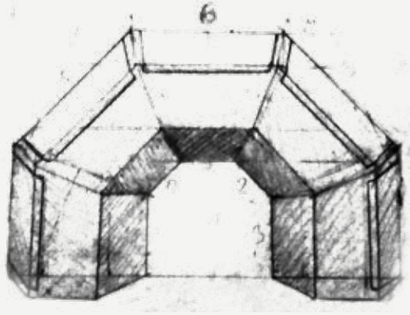
Ai Ps SW KeyShot

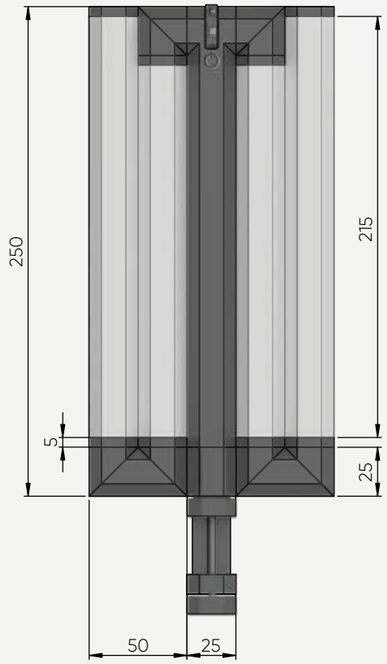
LIGHTOOL

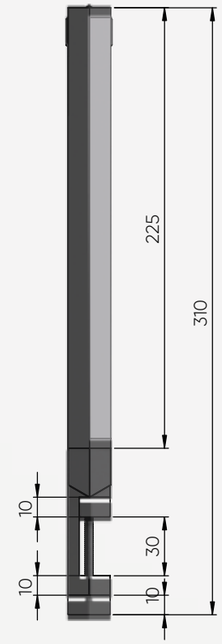
DRAFTING

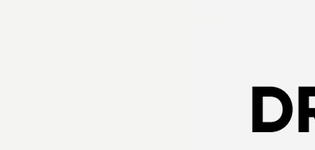


CLAMP
up to 3 cm thickv





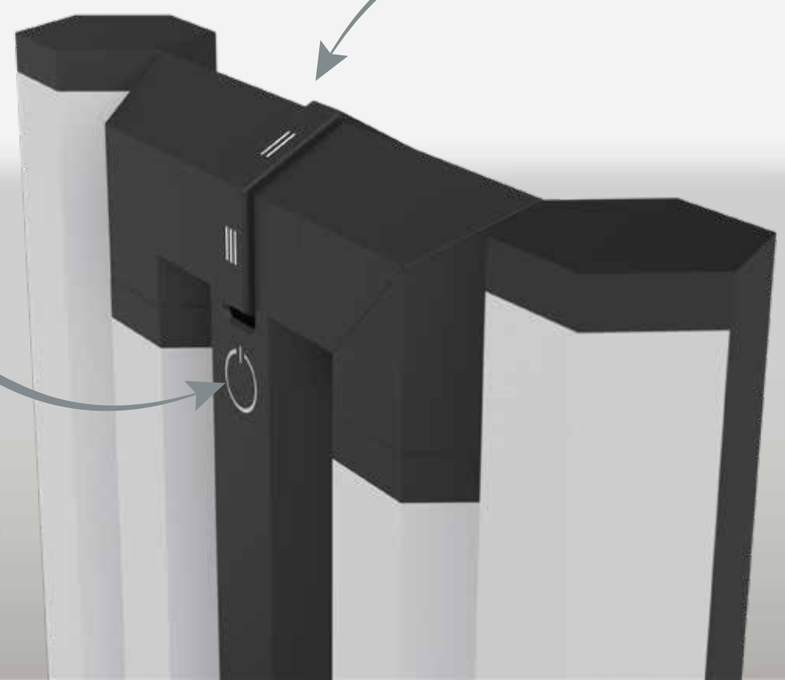




OPEN WORKSPACE
takes up no space

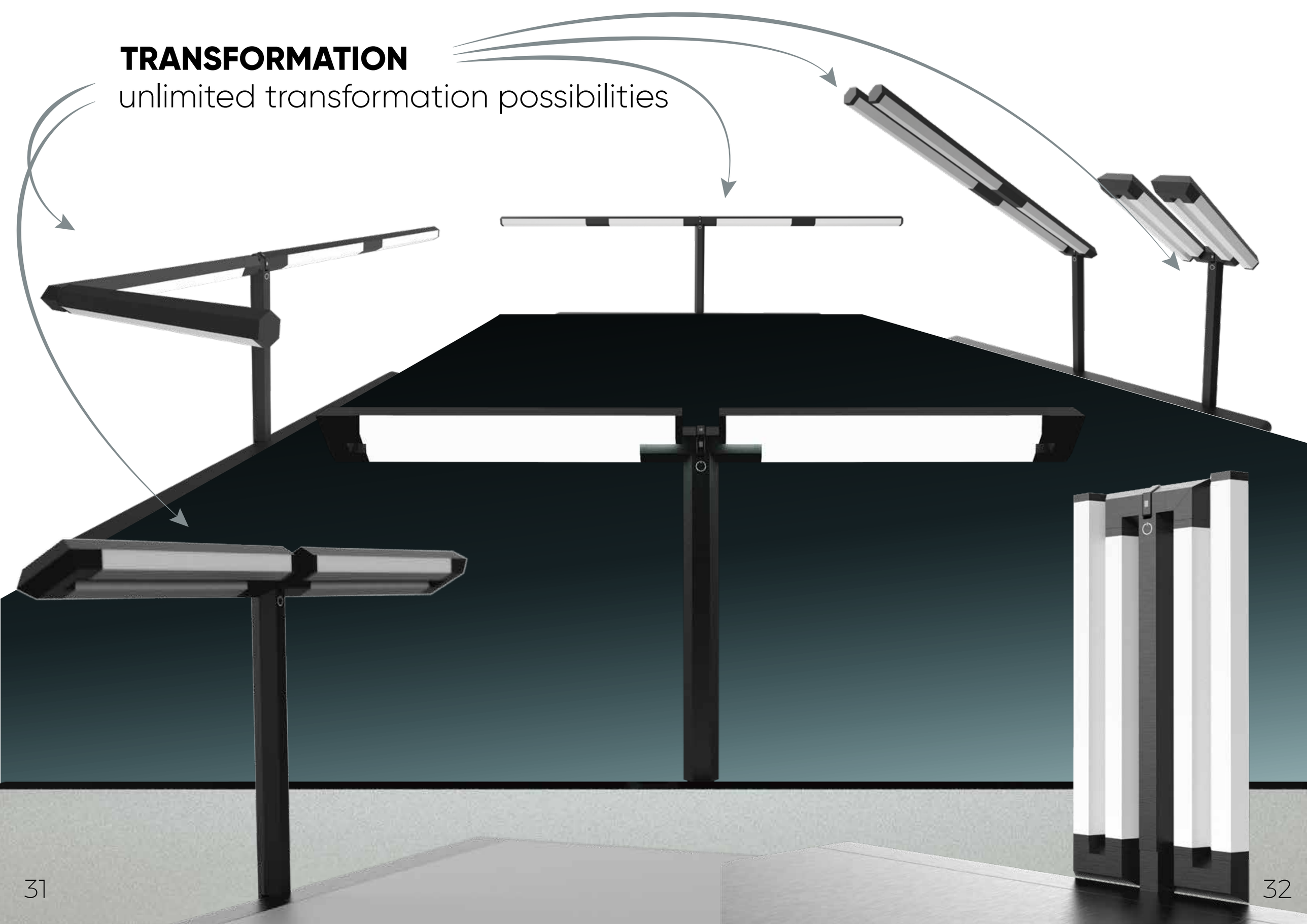
DIMMER
5 brightness levels

INDICATOR



TRANSFORMATION

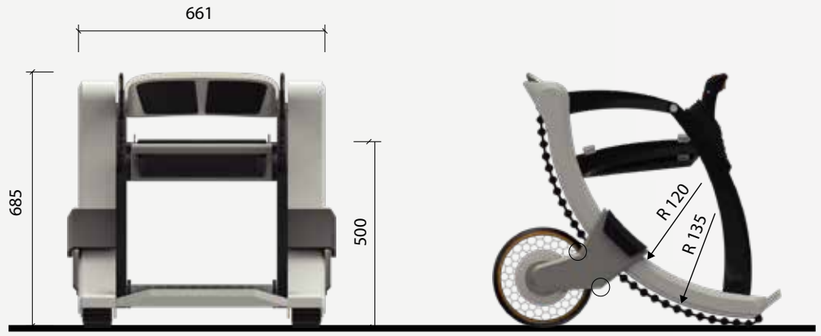
unlimited transformation possibilities



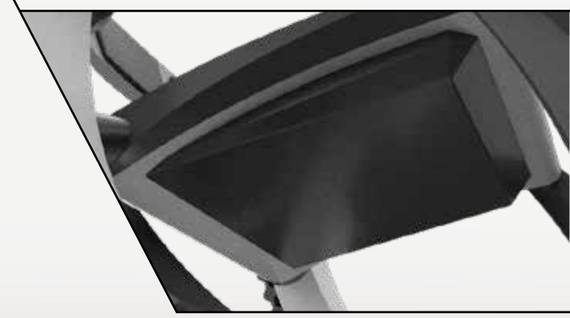
Radius

Radisus is a transforming multi-functional wheelchair.
It aims to restore people's physical and emotional health, restoring their self-sufficiency. Design is based on a number of innovations that will allow the user to move freely.

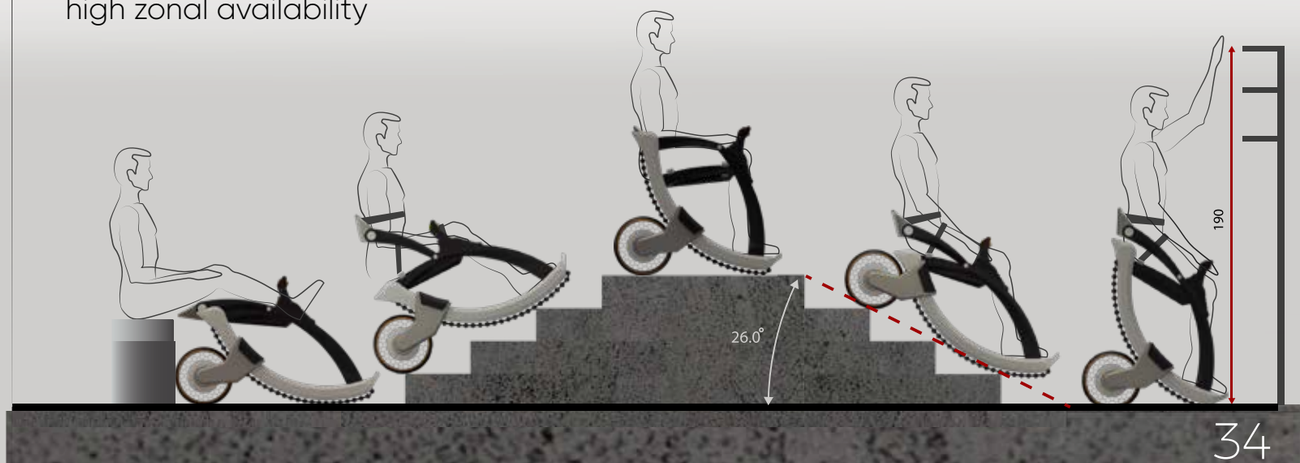
2022



ERGONOMICS



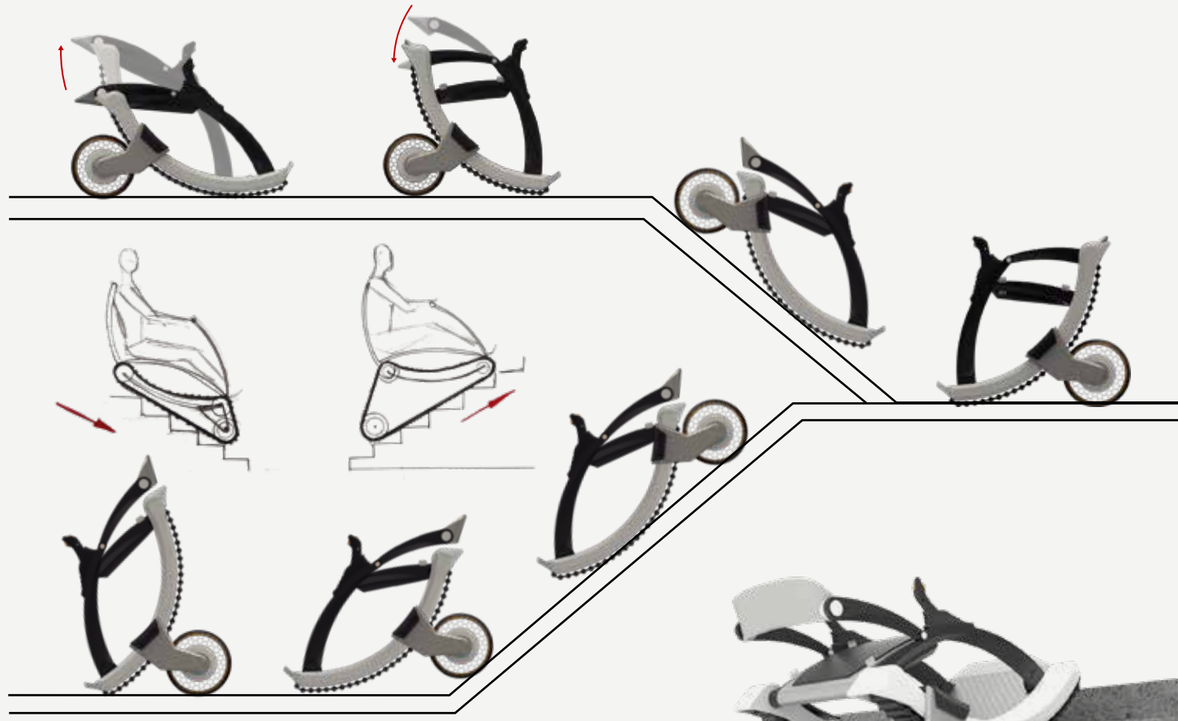
«Radiusy» adapts
any situation and has several modes.
Horizontal
when transferring from bed to wheelchair
Off-road
when driving on grades or other difficult terrain
Vertically
high zonal availability

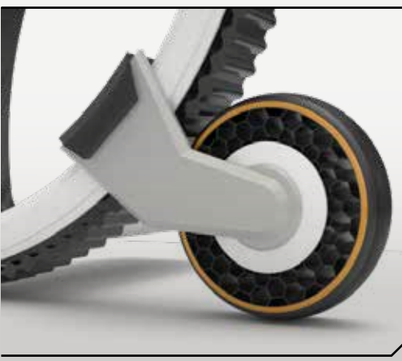


CONSTRUCTION & INNOVATIONS

Radius

Exploded-view

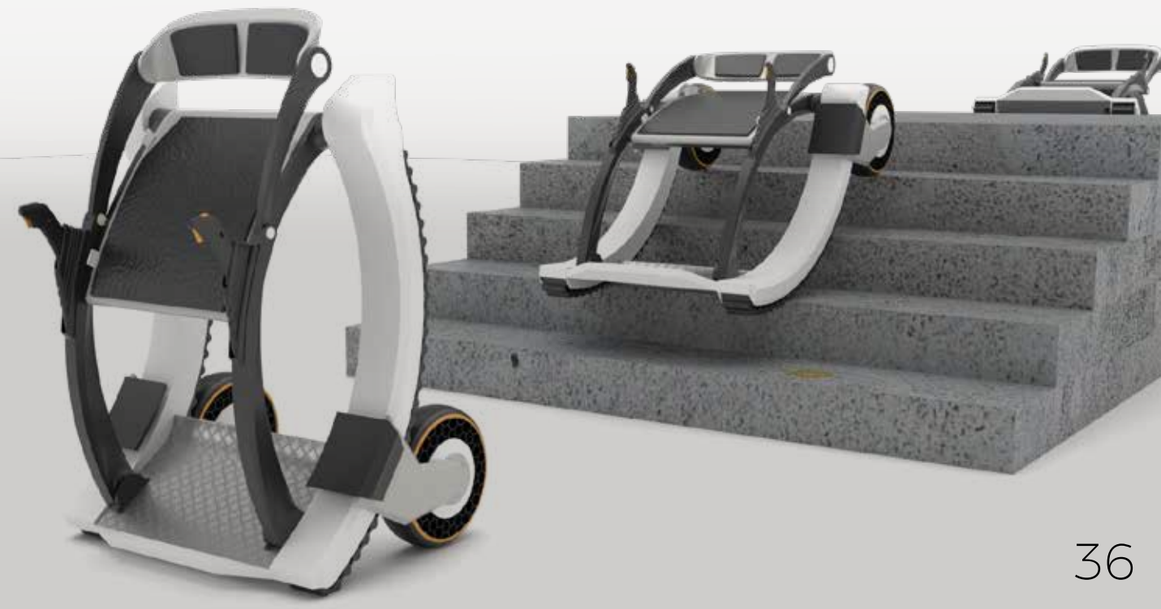




WHEEL SYSTEM

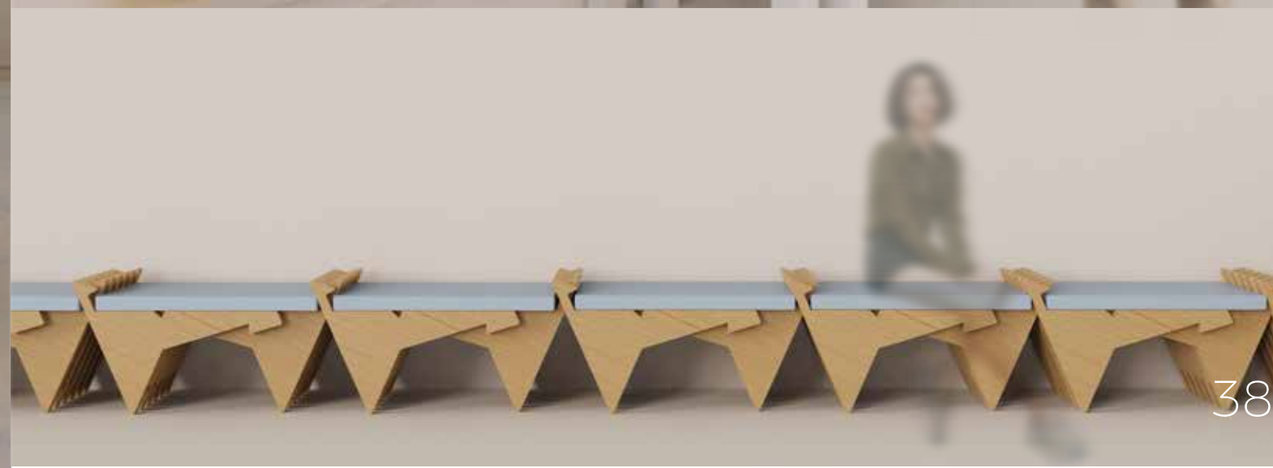
Airless "cellular" wheel
provides high amortization and sustainability

Rubber caterpillars
provides accessibility in hard-to-reach places



Art-Form

MULTI-FUNCTIONAL MODULAR FURNITURE



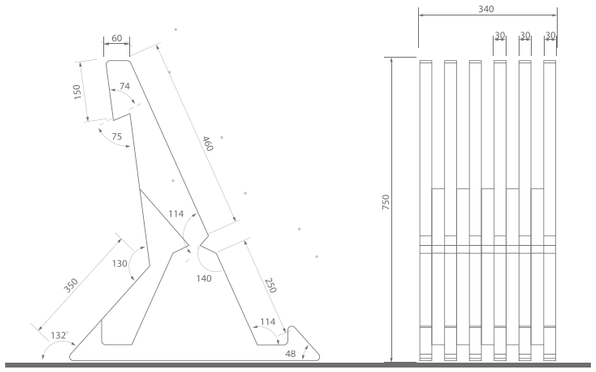
INTENDED FOR

ART TRAINING CENTERS

SMALL EXHIBITIONS

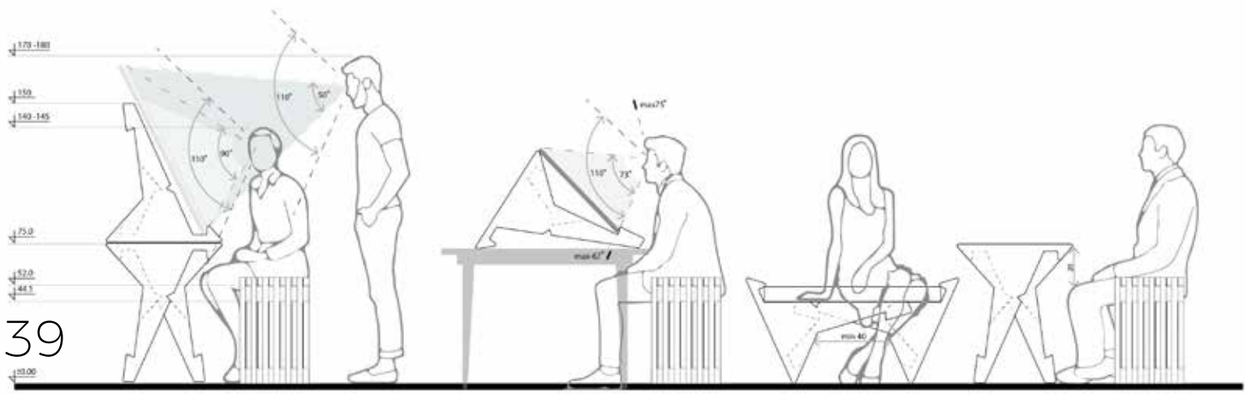
CHILD DEVELOPMENT

«Art-Form» is a multi-functiona modular furniture
It is intended for furnishing the interior of art training centers. In addition to being used in the educational process, it can also be used to organize small exhibitions.



The entire project is based on a single repeating module.
Their assembly options generate the remaining configurations.

Ergonomics



TRANSFORMATION

CHAIR TRANSFORMATION

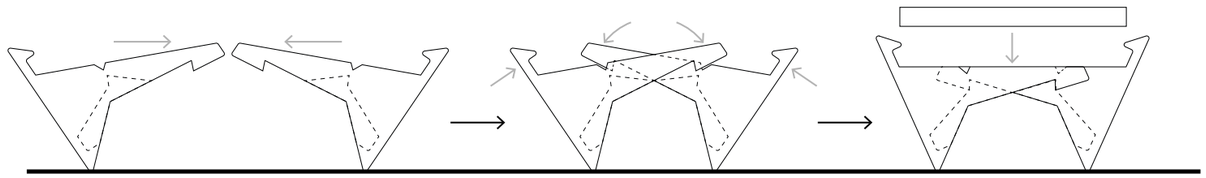
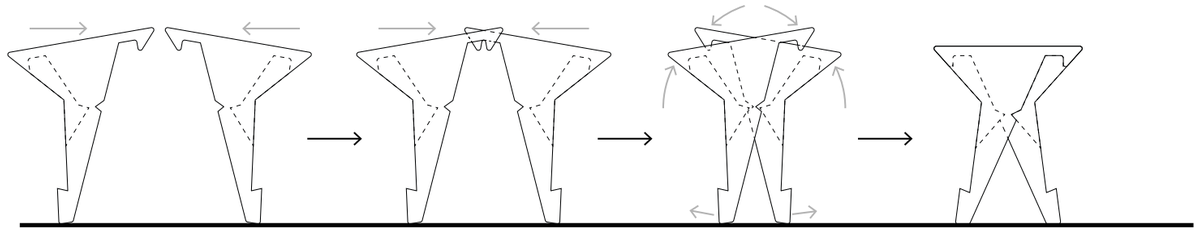


TABLE TRANSFORMATION



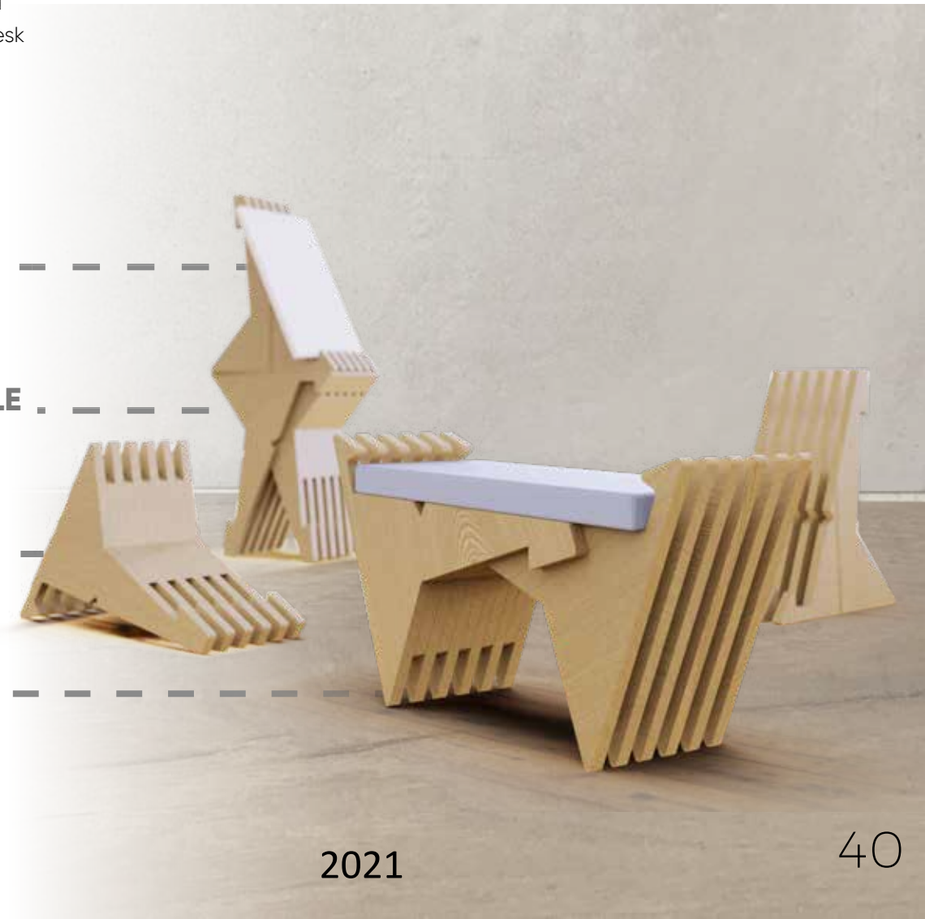
It has 5 transformation options:
→ Table Easel/Exibition Stand
→ Drawing tablet stand for desk
→ Pedestal or table
→ Chair
→ Easel

TABLE EASEL

PEDESTAL / TABLE

TABLET STAND

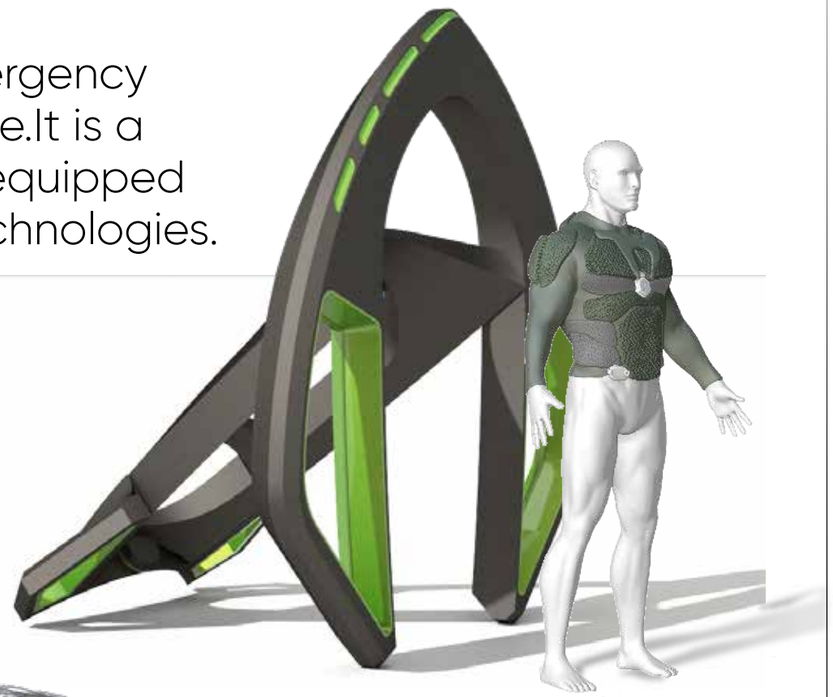
CHAIR

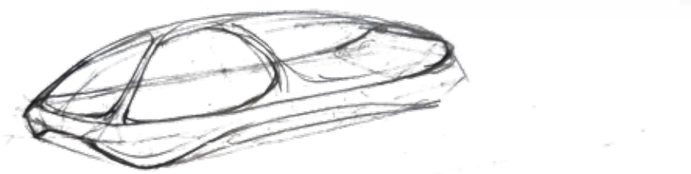


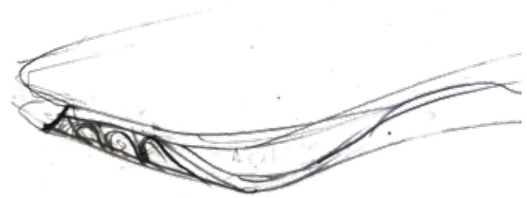
2021

Falkon

"Falkon" is an emergency evacuation vehicle.It is a concept project equipped with the latest technologies.

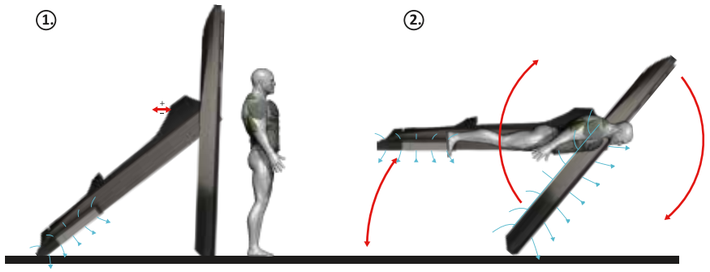




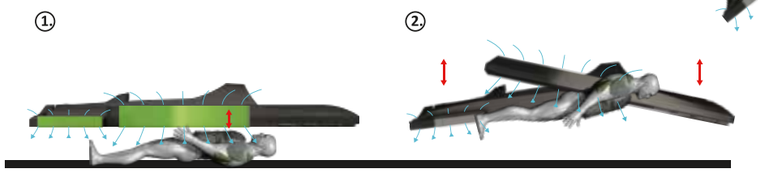


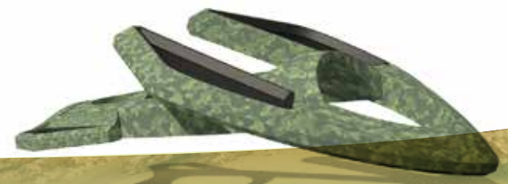
ERGONOMIC SCHEMES BY APPLICATION

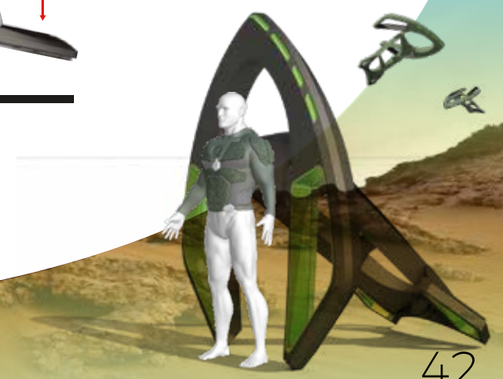
1.Evacuation from the risk zone



2.Casualty evacuation

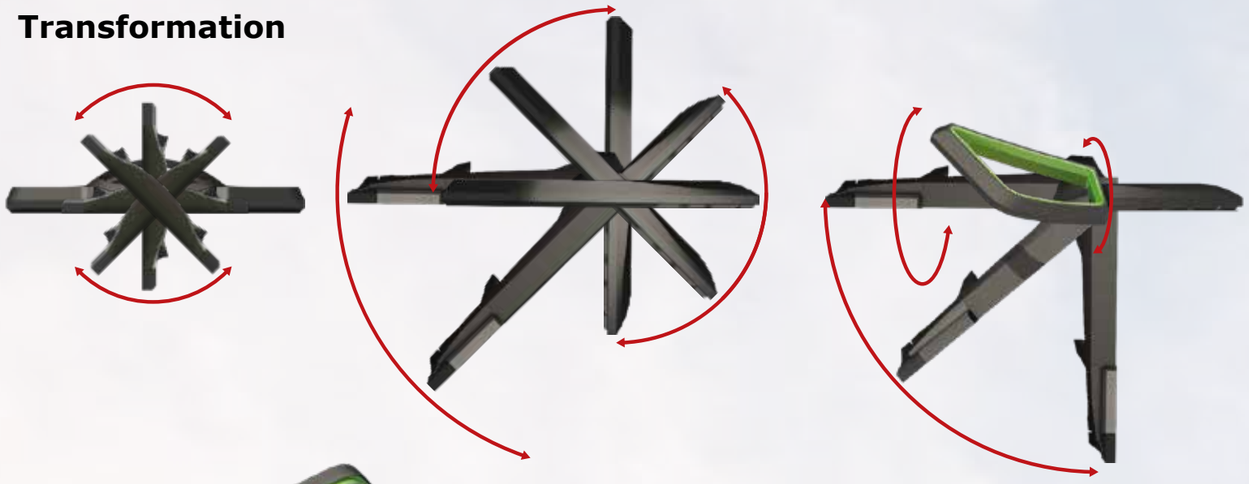


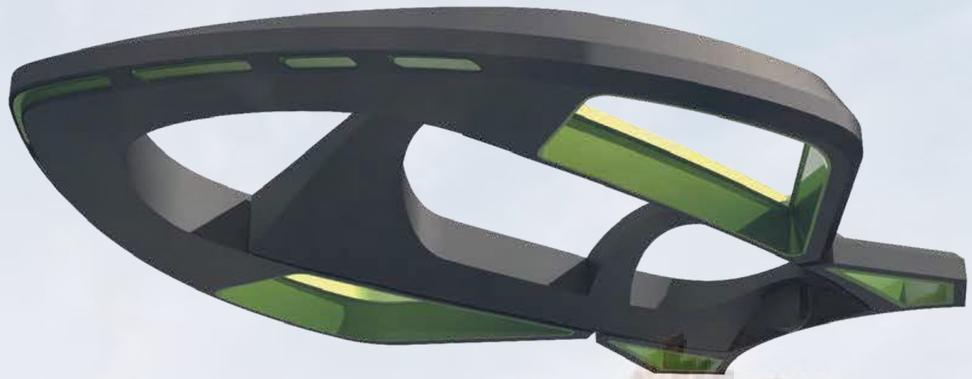




Falkon

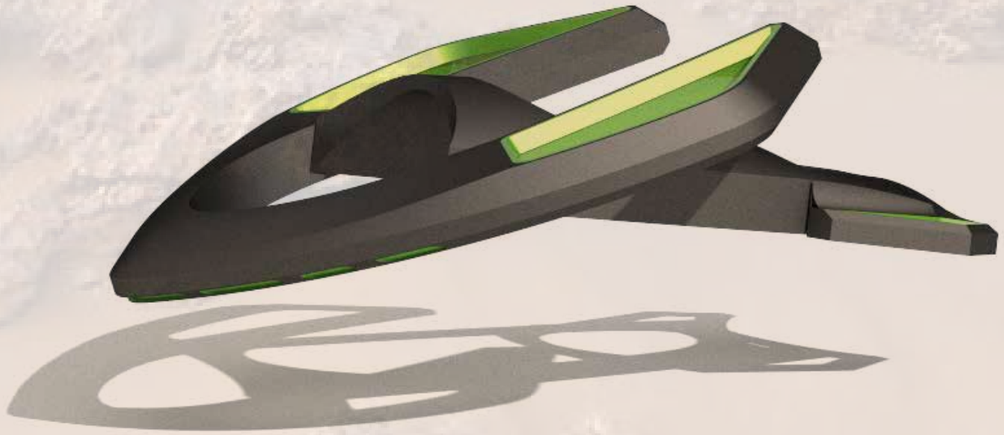
Transformation





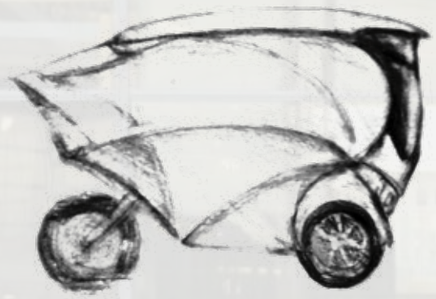
BLADELESS
"PROPELLERS."

CARBON
FIBER



RoboDel

Delivery robot developed under the program an Armenian-American start-up robotics companys **"Robodel Technologies"**



2020

RoboDel