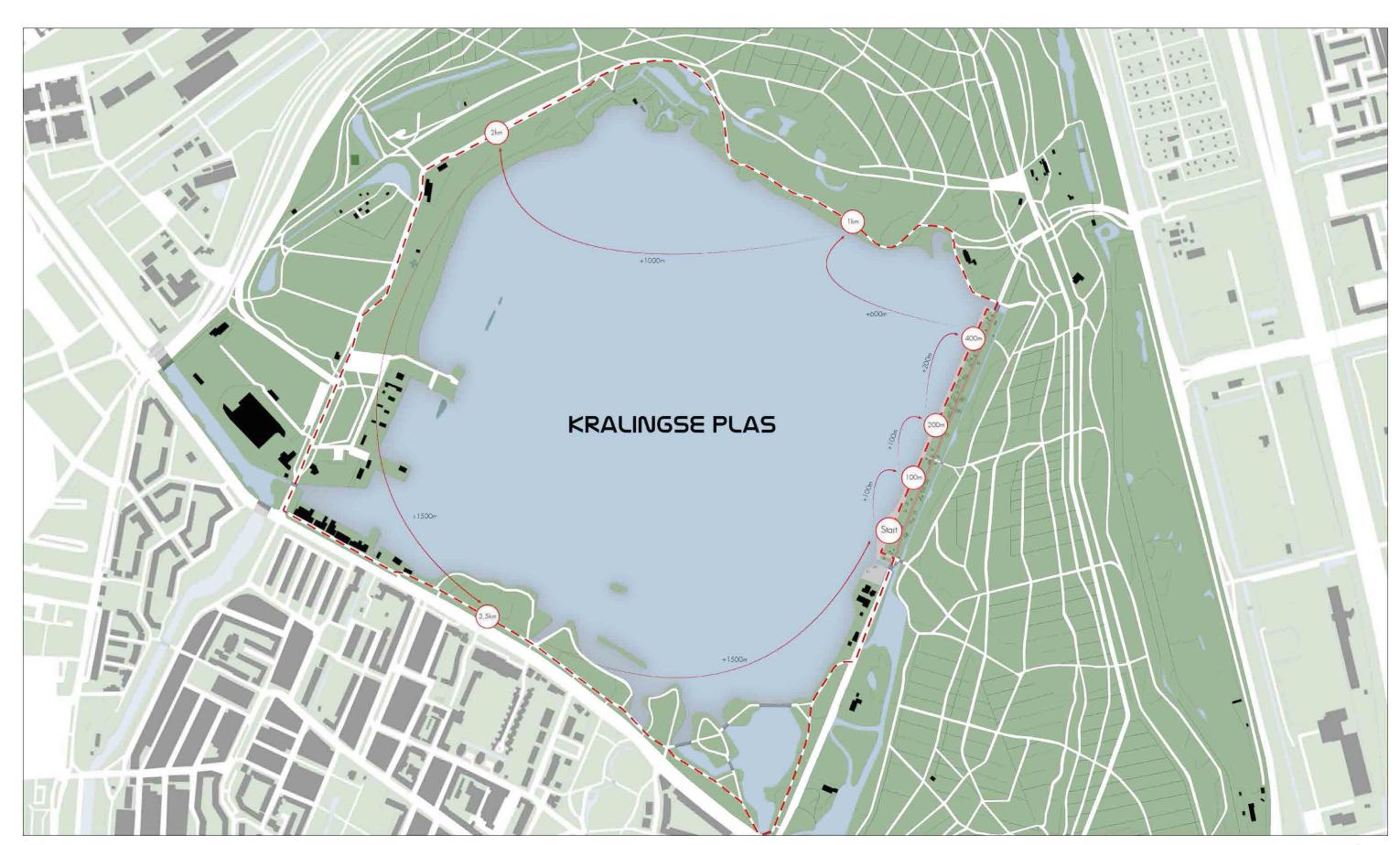


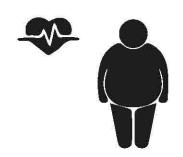
la Overall parcours



la Target groups

Based on official Olympics distance sprints:

Summer Olympics and outdoor World Championships: the 100 metres, 200 metres, and 400 metres.

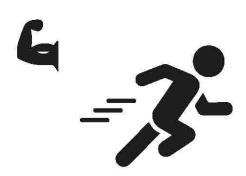


Weight loss

Calorie burn:

Many reps, Long rest time,

Small distance



Interval

Explosive:

Fewer reps, Low rest time,

Small distance



Condition

Endurance:

Many reps, Low rest time,

Long dinstance



la Target groups

Based on official Olympics distance sprints:

Summer Olympics and outdoor World Championships: the 100 metres, 200 metres, and 400 metres.

List of program

Target: 10/12 people



Sitting



Laying down



Stretch excercises



Sit-ups



Pull-ups



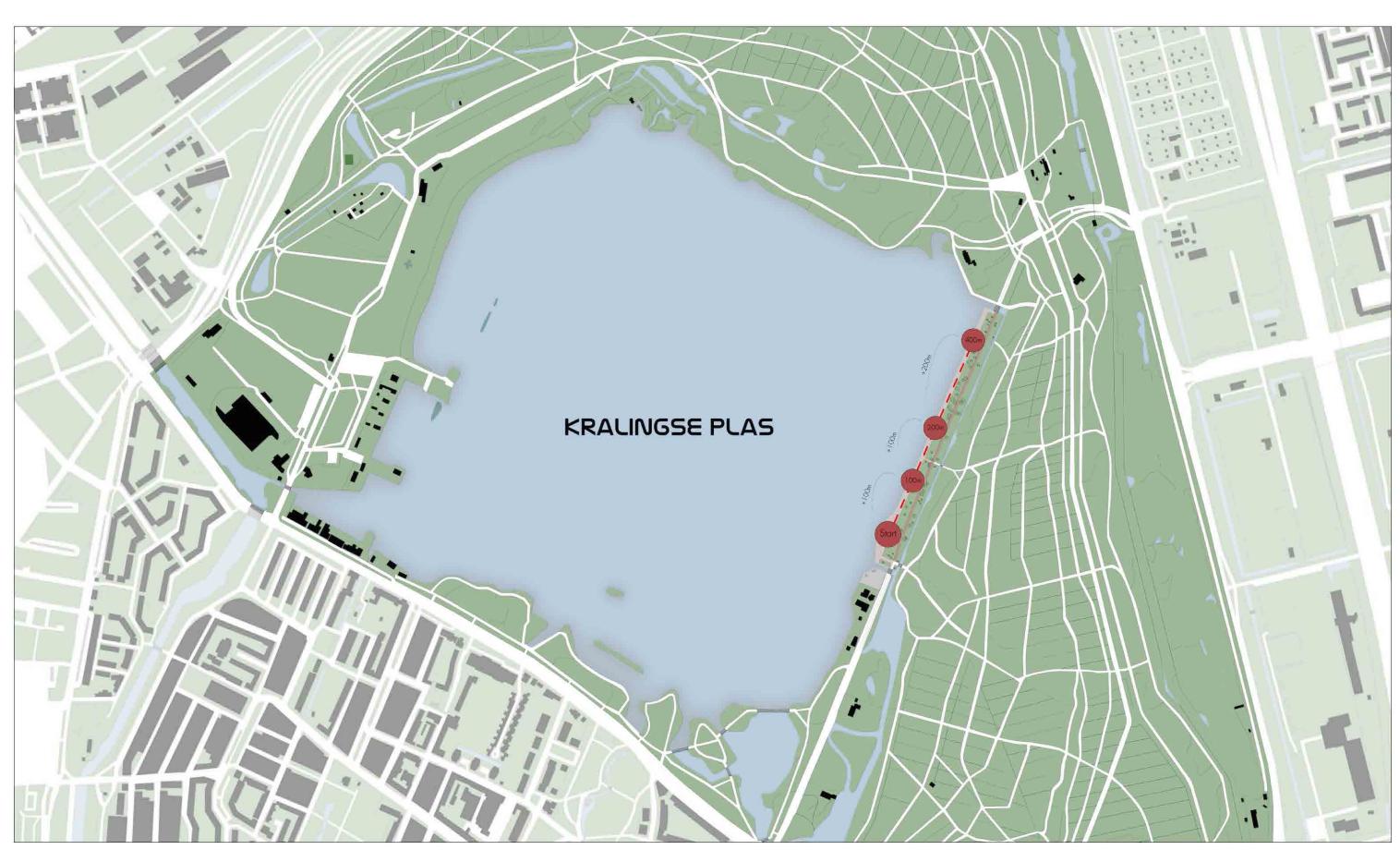
Leg-raises



Back raise (reversed sit-up)

la Target groups

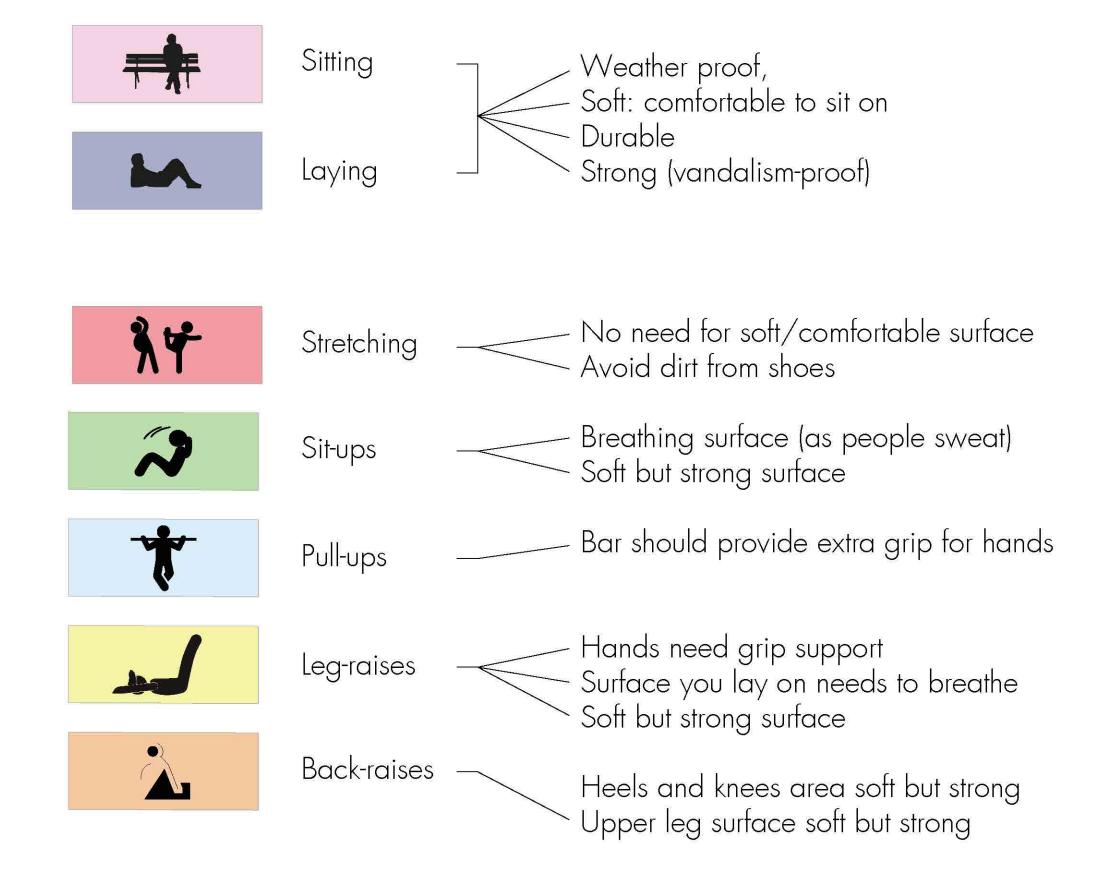
Targetgroup	Exercise	Start quantity	Added reps on next run
	Stretching	×	×
Weightloss <	Sit-ups	5	2
	Stretching	X	×
Interval	Situps	15	3
	Legraise	15	3
		* **	*
	Stretching	X	×
	Pullups	10	3
Condition	— Backraise	10	3
	Situps	10	3
	Legraise	10	3





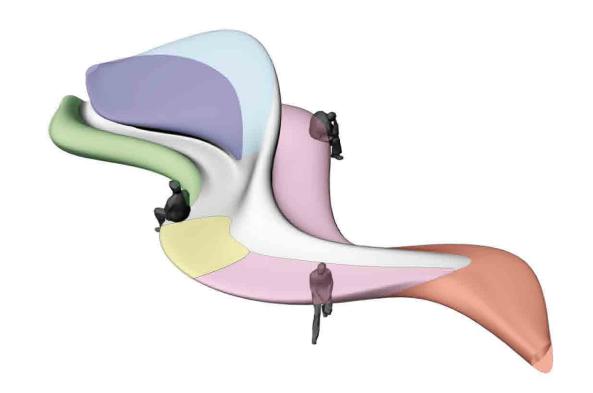
2 DESIGN FORMS

2a Design I

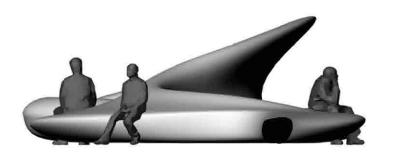


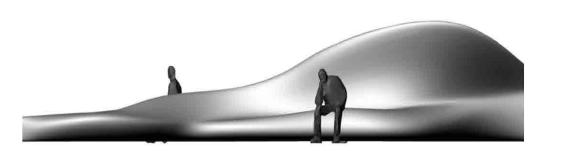
2a Design I





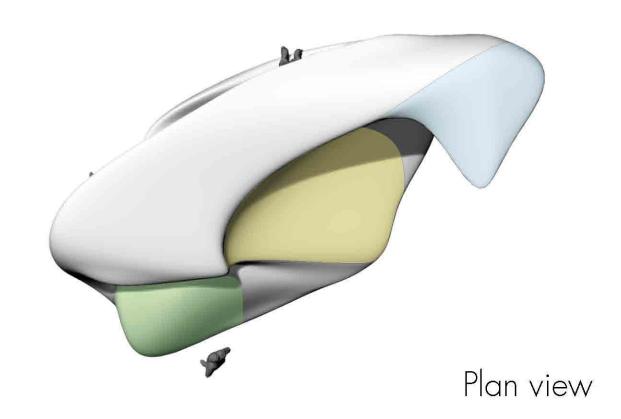
Isometry

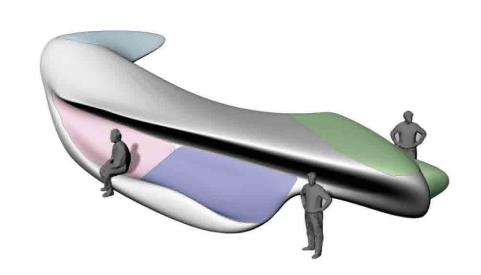




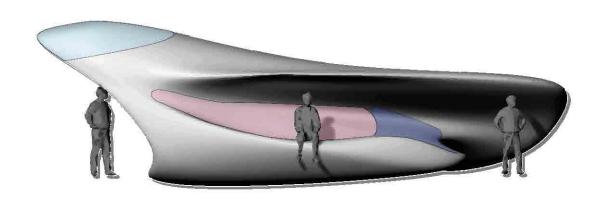
Front view Side view

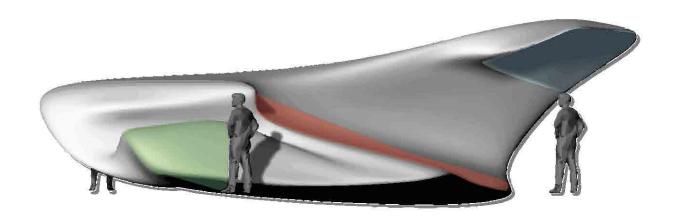
2a Design II





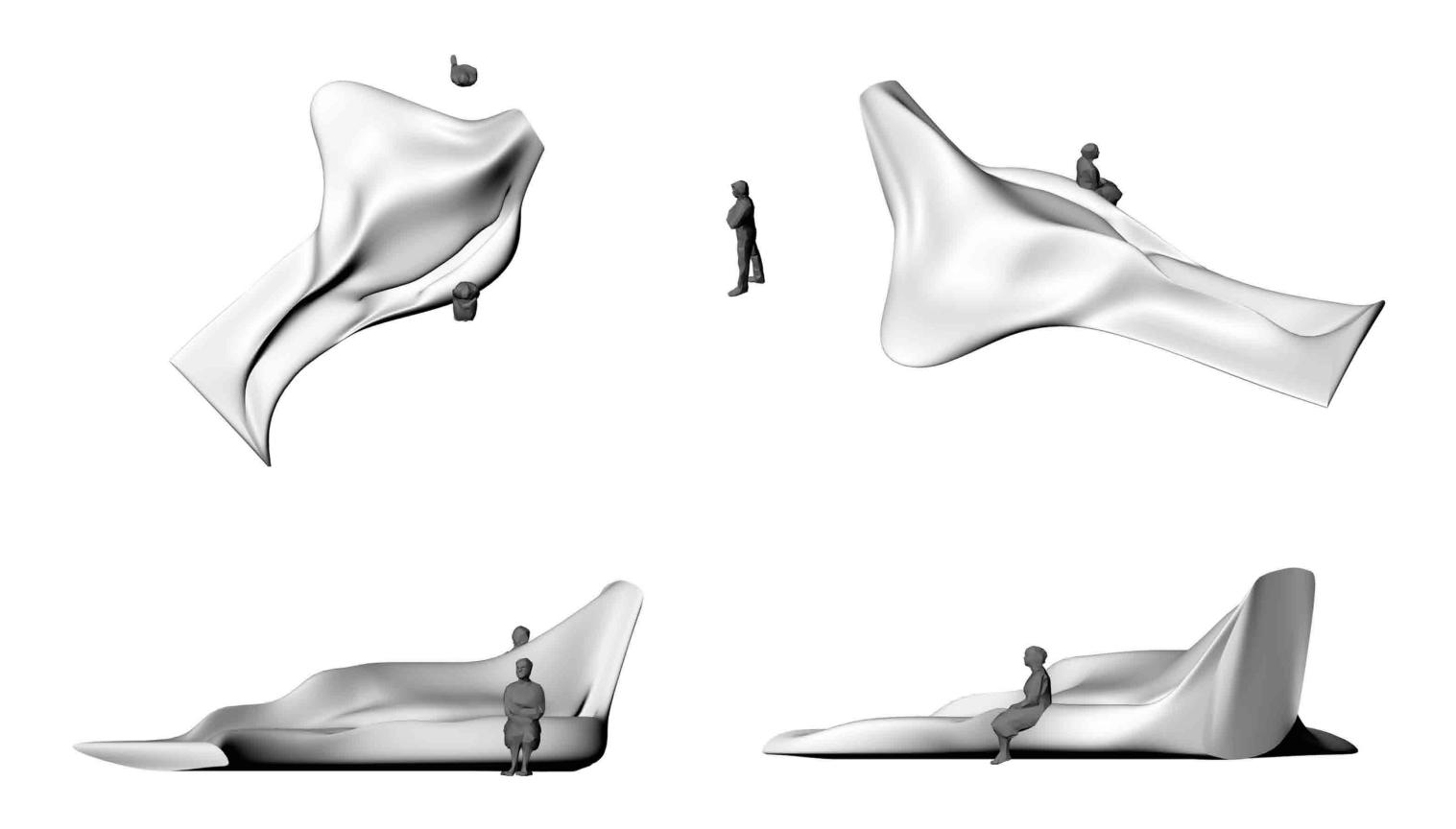
Perspective I



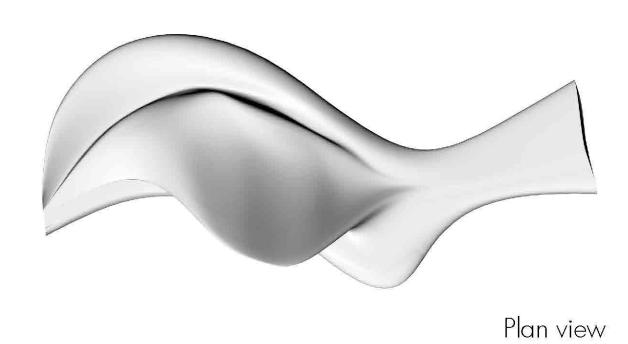


Front Side

2a Design III

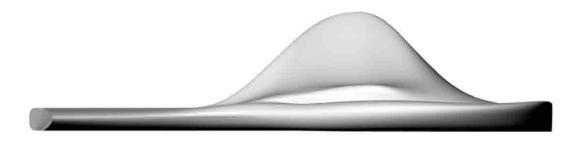


2a Design IV

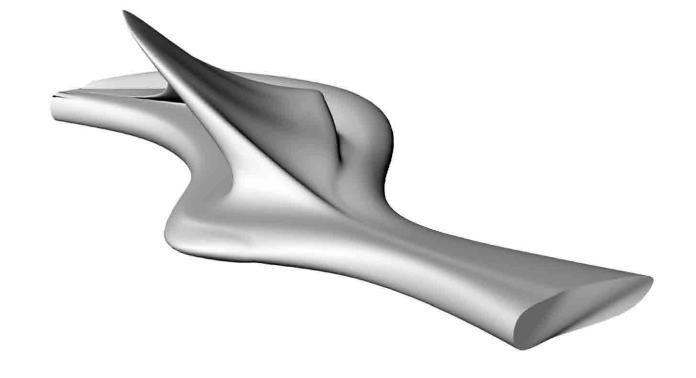




Perspective I



Side

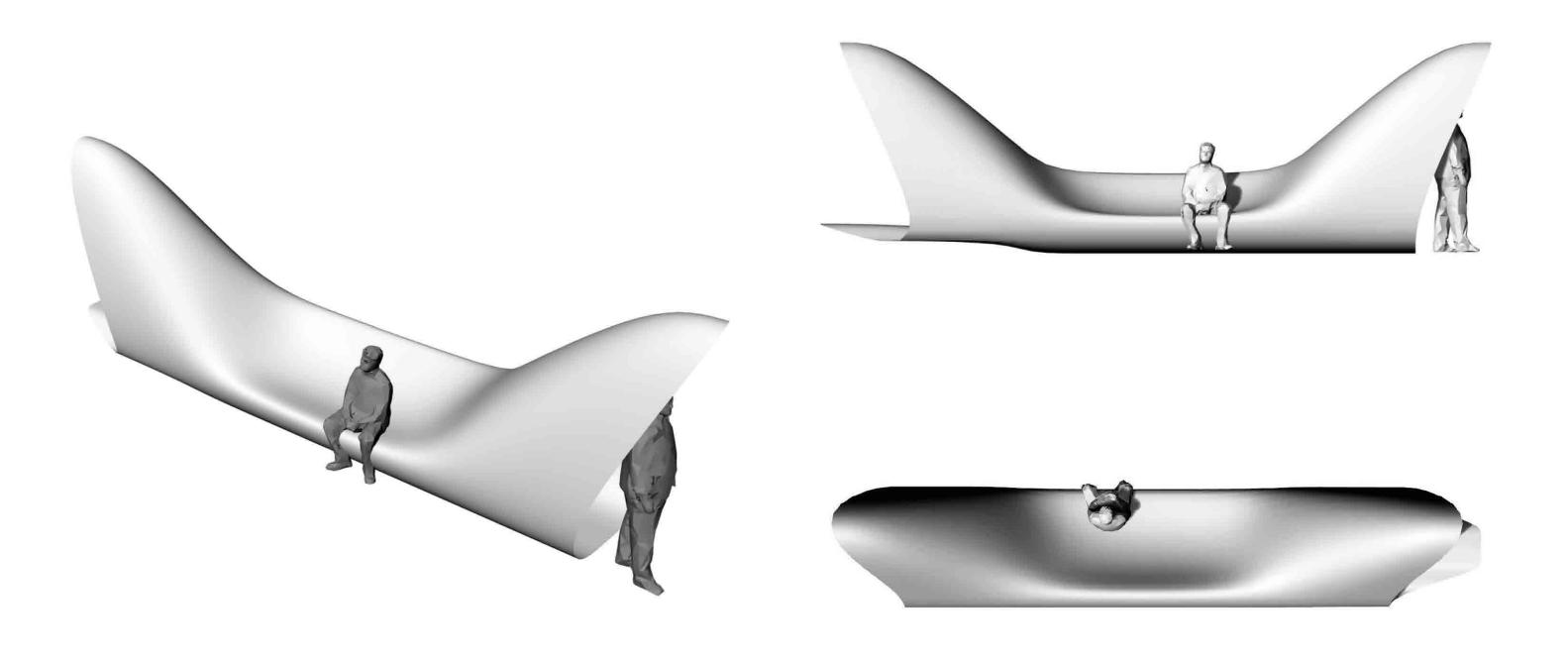




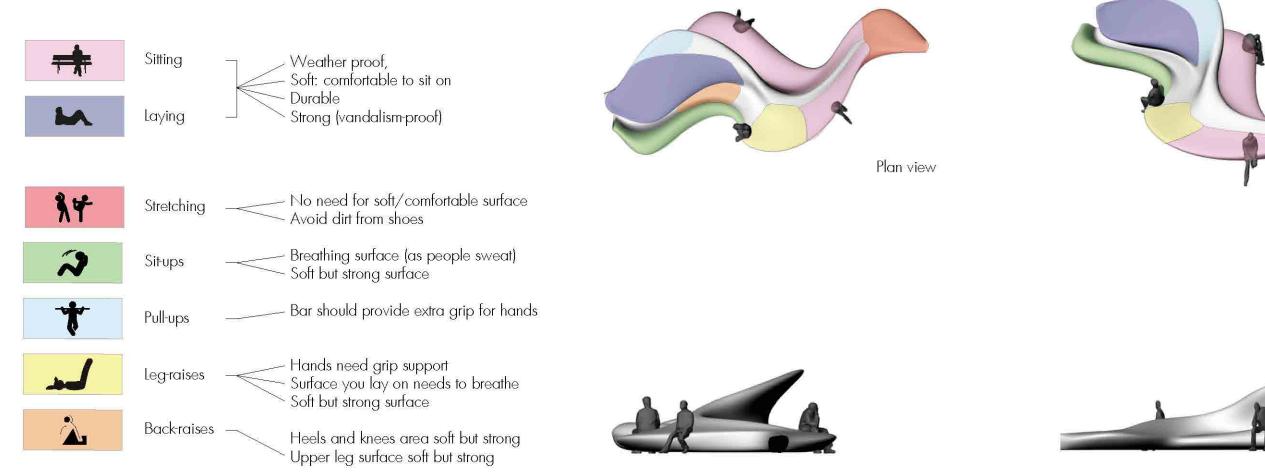
Back Front

Perspective II

2a Design V



Design IV 2b





Isometry



Side view Front view

3 MATERIAL

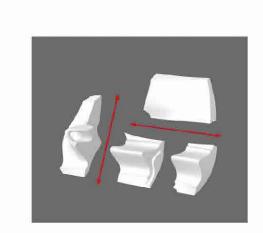
Neoprane Rubber and plastic

MATERIAL

3a Asembly and finish











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Туре	Pros	Cons	Cost per kg
ABS	Tough; Common; Non-toxic	High melting point; Unpleasant fumes	€20 ₁ - to €50 ₁ -
PLA	Easy to print with; Biodegradable	Prints degrade over time; Rough texture	€20,- ta €50,-
PVA	Water soluble; Fairly easy to print	Expensive; Risk of toxic fumes	>€100 _r -
Nylon	Tough; Inexpensive	High temperature requirement	€18,-
HDPE	Easy to dissolve, Lightweight	High temperature requirement	€30,-
T-Glase/PETT	Food-safe; Glass-like look	Slow to print; Heated printing bed needed	€30;-
Wood Filament	Attractive wood-like look	Finicky to use; Requires sanding	€60,- to €100,-
Metal Filament	Attractive metal-like finish	Finicky to use; Expensive	€75,- to € 120,-
Carbon Fiber Mix	Mimics carbon fiber's lightweight strength	Tough on extruders; Expensive	€50 _i - to €120 _i -
Flexible filament	Produces flexible prints	Requires tinkering with the printer	€50;- to €120;-
TPU95A	High impact strengt, durable flexible, chemical resistant	Not flexible	€75¦-
CPE-FAMILY	Chemical resistant, tough and demonstrate good dimensional stability, higher temperature resistance and increased impact strength	High temperature requirement	€60;-
PC	Strong and tough parts that retain dimensional stability when subjected to temperatures as high as 110 °C.	UV sensitive	€65,-
PP.	High toughness, exceptional fatigue resistance, and low friction. It also has good chemical, temperature, and electrical resistance.	Difficult to print	€80,-
RECYCLED	Prevents plastic waste	Adjustment process is not environment friendly	Depends



MATERIAL

3b Neoprane rubber finish











Types of Rubber

There are many types of rubber, each with special properties:

Neoprene Rubber – Good weatherability and resistance to abrasion.

Buna-N Rubber – Resists oil and solvents. Not as weather resistant. Also called nitrile, acrylonitrile, and NBR.

Silicone Rubber – Good flexibility and resistance to ozone, sunlight, and oxidation. Very good electrical insulator. Also called polysiloxane.

EPDM Rubber - Excellent for outdoor use.

Natural Gum Rubber - Superior resilience, tensile strength, elasticity, and abrasion resistance.

Viton Rubber – Resists corrosive environments, with exceptional resistance to heat, aging, weather, ozone, oxygen, and sunlight, plus fuels, solvents, and chemicals. Good flame resistance. Also called FKM.

Natural Latex Rubber – Ultra-elastic has excellent strength and stretchability. Has exceptional tear resistance.

SBR Rubber - Has good abrasion and wear resistance. Also called styrene butadiene.

Vinyl Rubber – Good resistance to water, chemicals, and weathering. Also called polyvinyl chloride (PVC).

Santoprene Rubber – Combines the characteristics of rubber and plastic to produce a material that offers excellent weatherability and chemical resistance.