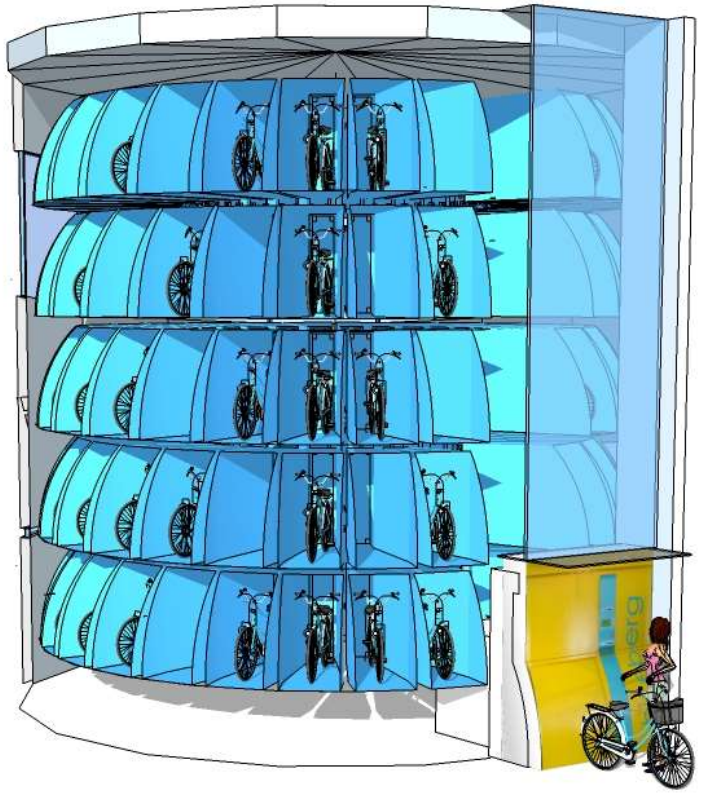
biceberg up

Fully automated two wheeler parking systems



large capacity bicycle parking above ground

1 CONCEPTUAL IDEA

2 COVERING

3 GROUPING POSSIBILITIES

4 GROUPING SUGGESTIONS

5 DATA SHEET

biceberg up **emerges** as a new solution for large storage capacity of bikes, outdoor.

Meets the same performance and features of our other **biceberg and b-igloo** systems, which differentiates us from any other automated parking, being the only one that offers an exclusive space for bicycle of any kind, and any other item needed for transportation.

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1 Conceptual Idea

Biceberg up is initially presented with three capacity sollutions:

-**Biceberg up 26/2,** with 51 bcycles capacity

-**Biceberg up 26/3,** with 77 bicycles capacity

-**Biceberg up 26/5,** with 129 bicycles capacity

-**Biceberg up 26/6,** with 155 bicycles capacity

Biceberg up is also presented as **silo above ground and as elevated silo.**

Our experience and the type of location, environment, and services for which it is intended, makes us consider these capacity solutions as the most optimal, but this does not prevent the generation of other multiples and capacities.

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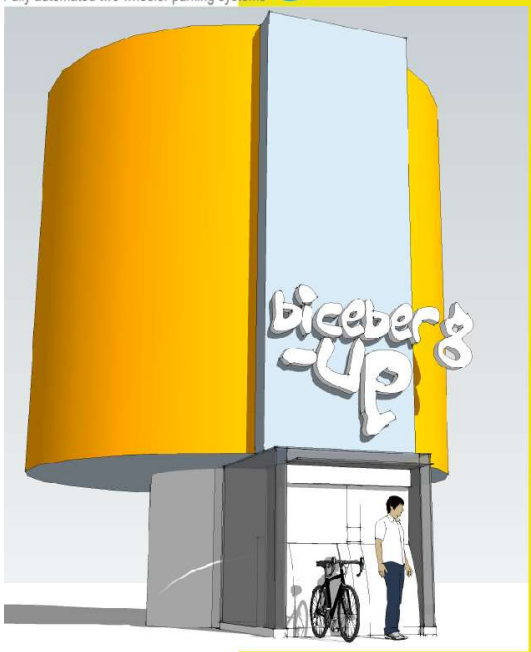
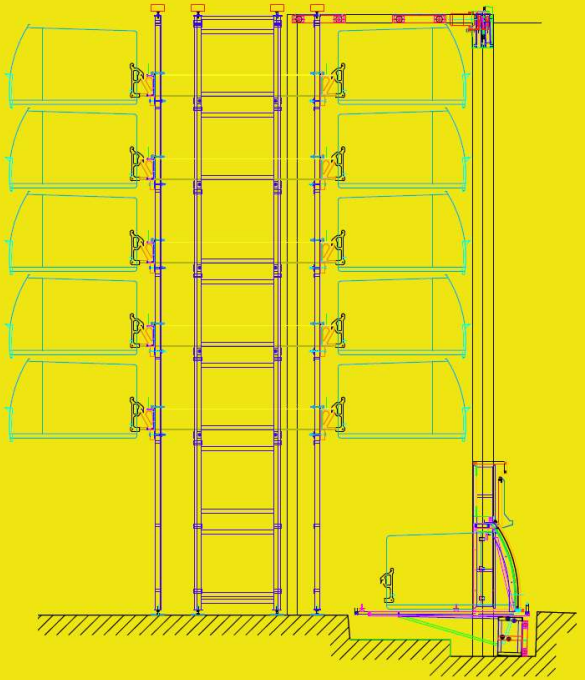
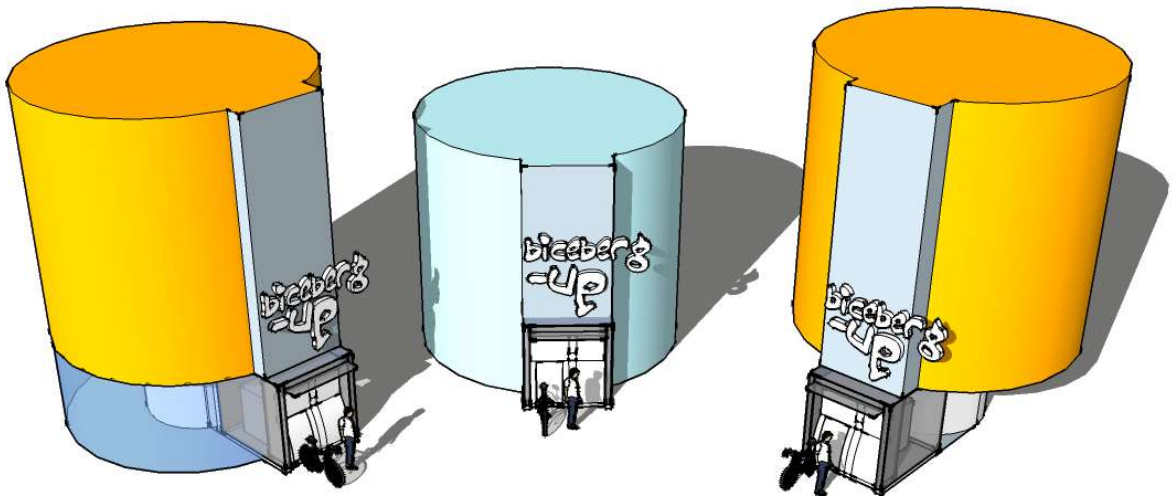


26/5 **129 bikes**





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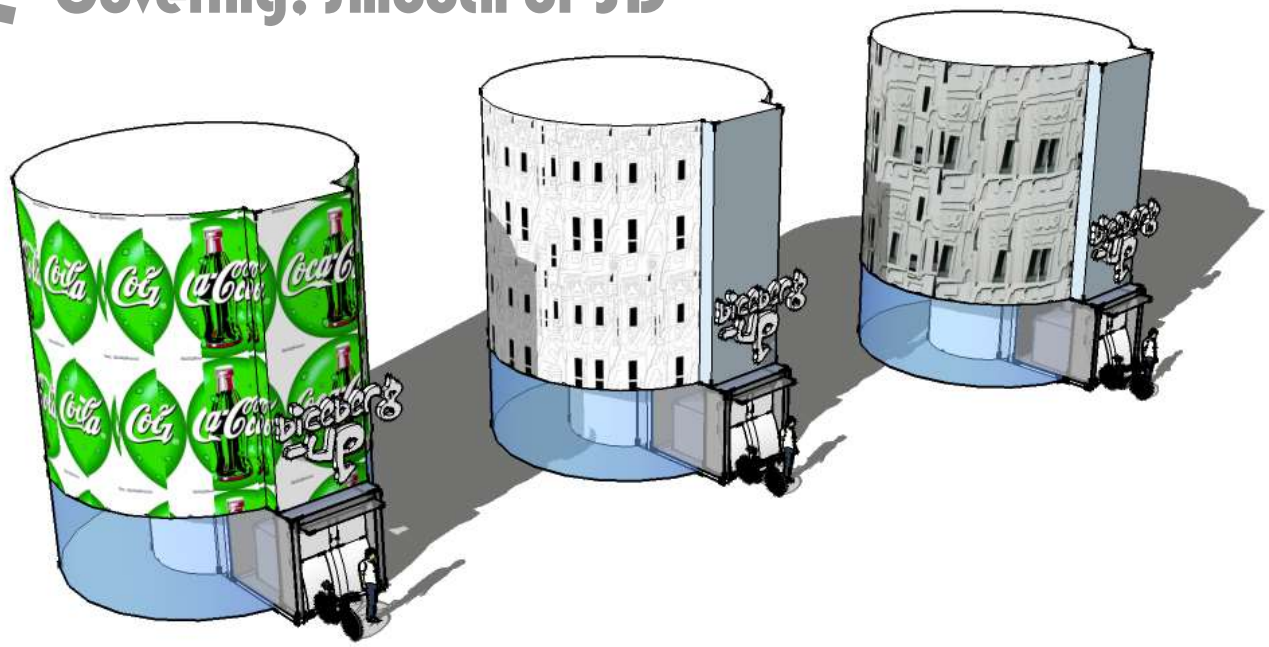
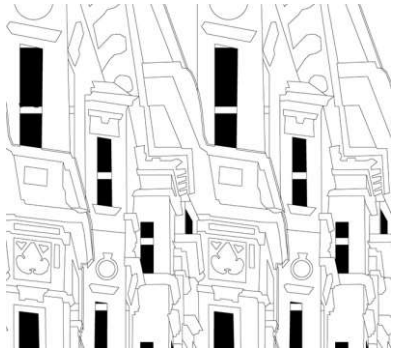
2 Covering, smooth or 3D



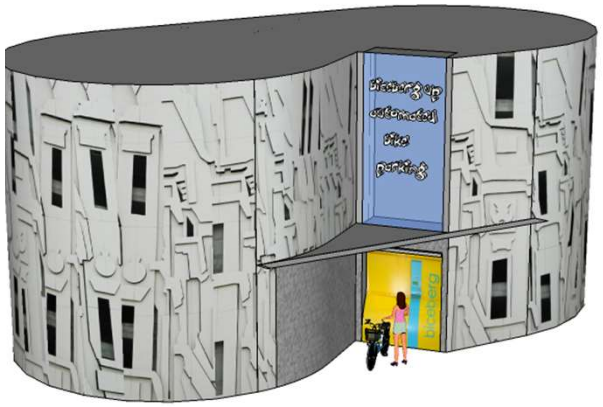
Around on this surrounding surface of the silo, a third dimension light metal cut can be created generating volumes. Green wall with vegetation, lighting, information panels and so on can be applied, which will not affect the installation, creating a product whose appearance can meet the communication of modernity and sentimental nostalgia of citizens and those responsible for making decisions.

To ensure waterproofing and optimal conditions of humidity and temperature inside, a standard light skin that covers the machinery allows the use of vinyls for advertising purposes or for the visual integration in the environment.



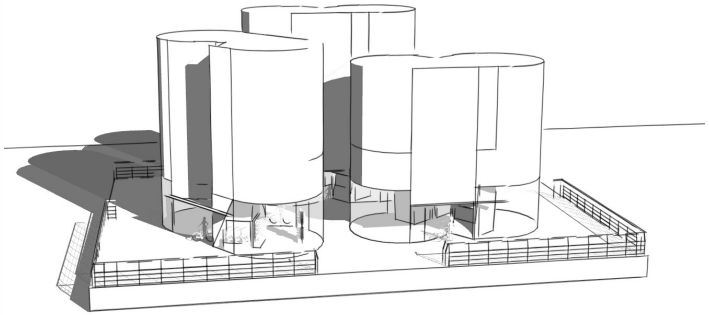
*Suggestion based on 3D facade Multy-Storey Car Park project by PPAG architects, Vienna and Milan Mijalkovic

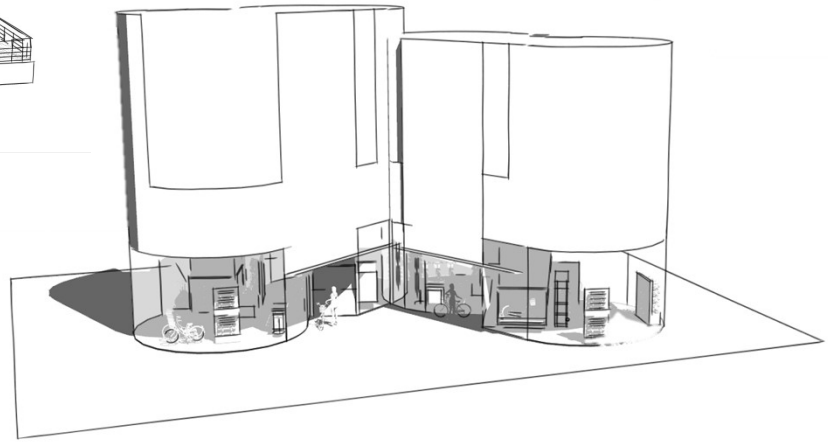
3 Grouping possibilities



Covering can be made upon request, according to customer's drawings or designs, or we can offer our standardized by PRFG*, or metal solutions.

Its cylindrical silo setting provides the optimization and possibility of different groupings. Besides, the customer can design envelopes to integrate the group in the environment.





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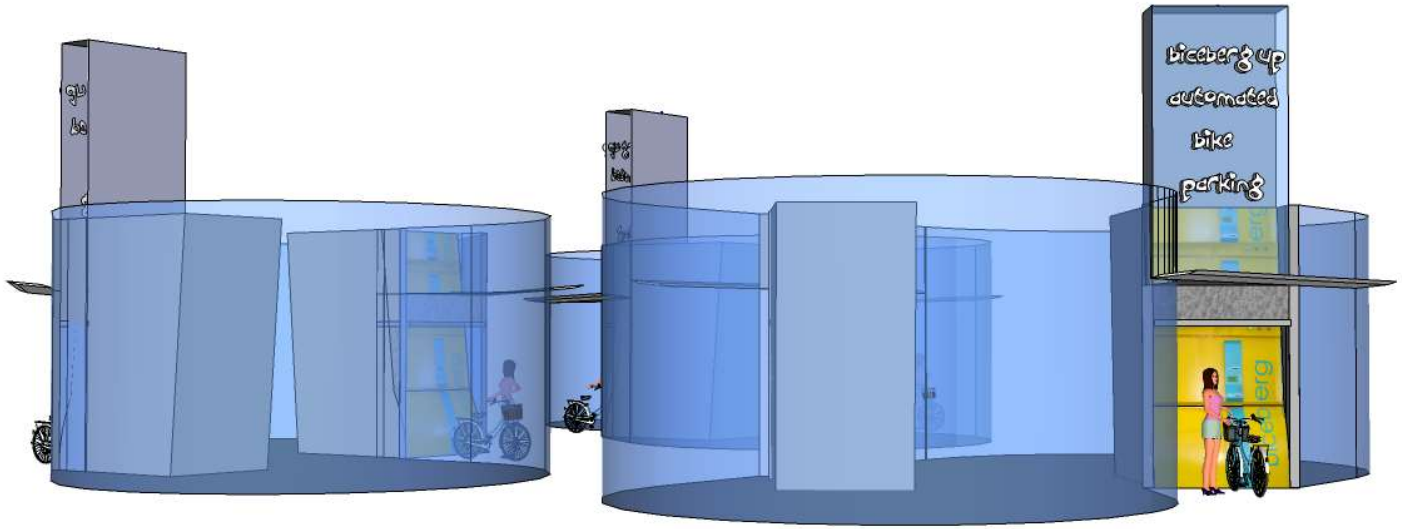
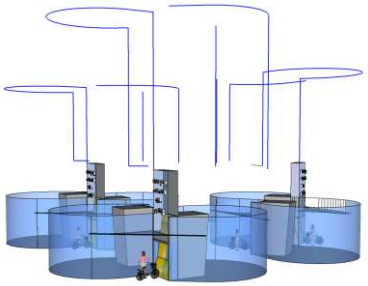
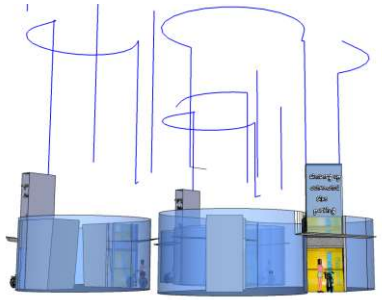
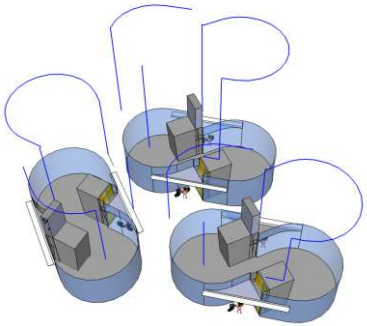
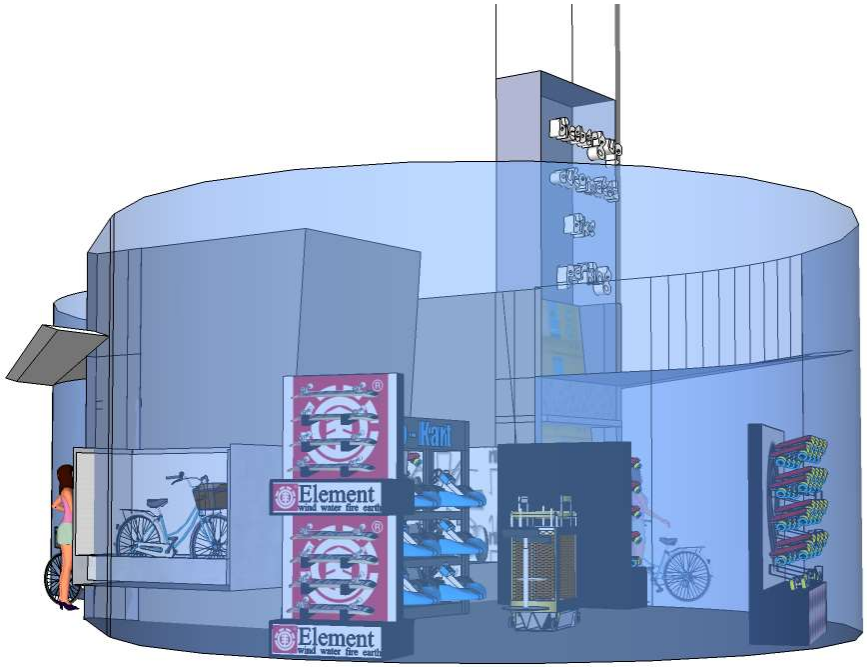
4 Grouping Suggestions











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4 Data Sheet

TECNICAL CHARACTERISTICS

System	Developed according to biceberg and bigloo patents and trademarks. WO1996017148A1 and ES2345026B1
Model / capacity	Standard BCB B26
Storage Capacity	26 bicycles by level, from 1 level to 9 levels (26 to 234 bicycles)
Design Life of System	More than 20 years. Unlimited with technological updating
Structure	Galvanized iron
Individual containers	Poliester Reinforced Fiber Glass (PRFG)
Operation Method	All Electric
Power Requirement	220/240 V AC 6500 w. Max.
Deposit / Retrieval Time	Min: 10 sg., Max: 20 sg., Based on German regulation VDI4466
Minimum Storage Size	Diameter: Ø 8240mm Free Height: From 1,50 m. to 14 m.
Size of Machine Shaft	Ø 3600 mm
Access dimensions:	800 cm. x 1300 cm.
Storage Limitations	For Two Wheel Bicycles and Electric Bicycles
	Bicycle Length: Max: 2000 mm.
	Bicycle Width: More than 800 mm.
	Bicycle Height: Max: 1300 mm. , customizable
	Bicycle Weight 35 Kg + 15 Kg. storage
	Wheel Size: 18~28 inches
Dead Load on Base Slab	Max: 18.600 Kg
Live Load on Base Slab	Max. 10.600 Kg
Control Room	Integrated into the core, easy access to all components
Server connection:	FTTx/ADSL/4G/3G
Management:	Parking / Rental / Mixed %
User access:	RFID card and others on demand
Load recognition:	Microwave radar, TAC RFID, Surface Artificial vision, CCD (3D optional), Photoelectric sensor,Metal detector and Weight sensor
Other security devices:	Reopening of door F<150 N
	Mechanical blocking when not in use
	Uninterrupted power supply
	ADSL/4G/3G /GPRS
Web page	For user activation and network management; Registration; SmartPhone App

Specifications can be varied or increased on request

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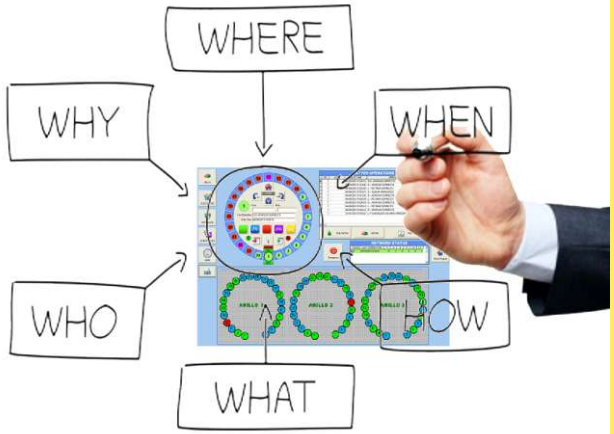
4 Data Sheet

TECNICAL CHARACTERISTICS



The parking has an on-line maintenance service connected to a service centre ***24 hours a day***.
A high level language software monitorizes via modem the history reports of operations, control of images, checking of alarms, modification of data in the memory, the condition of the receptacles and also makes general verification tests of the status of the parking. All this in ***real time and remotely.***
The online maintenance service works ***bi-directionally***, with the centre establishing a communication with the parking to know its status and the parking connecting with the centre in case of detection of any failure foreseen in the programming.

ma - sistemaS, s.l.

January 2019

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