



**HEALTHY  
SUSTAINABLE  
WORKPLACE**







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MISSION

4Nature System is a prop-tech company that has been developing the idea of biophilic design in offices for many years. Our mission is to bring nature closer to a human and improve air quality with live plants supported by advanced IoT technology.

We strongly believe that by combining these elements, we effectively take care of well-being of people. The green environment in the workplace has a positive effect on our health, productivity and satisfaction with life.

Creating safe and healthy interiors in line with the idea of biophilic design requires an innovative approach. The IoT platform with a mobile app is an array of sensors monitoring the office environment and plants condition, providing adaptive, autonomous control. Together with verticality, it introduces more live greenery into offices with minimal maintenance costs.

Our solutions are modular and compatible, thus providing unlimited arrangement possibilities. We provide architects and designers with tools to create healthy and sustainable work spaces.

VEGETATION CHANGES THE SPACE PERCEPTION BY PEOPLE.



INCREASED AIR HUMIDITY



INCREASED WORK COMFORT



IMPROVED WELL-BEING AND REDUCED STRESS



DECREASED MAINTENANCE COSTS

4NATURE SYSTEM

POSITIVE EFFECT ON THE QUALITY OF THE SPACE AND MAKING IT MORE FRIENDLY

We spend 90% of our time indoors, so their arrangement is crucial for our physical and mental health.

Vegetation changes the space perception by people. Interiors with plants are considered much more attractive than those that are devoid of them.

At the same time, greenery ceases to be treated only as a decorative addition and becomes an important element of office equipment.

4Nature System solutions increase air humidity, improve air quality and increase work comfort. They have a positive effect on well-being, reduce stress, increase creativity and efficiency.

However, the right amount of plants is very important because only then we can obtain a noticeable improvement in the microclimate and well-being of employees.







## THE NUMBER OF PLANTS MATTERS

PLANTS UNDOUBTEDLY HAVE A POSITIVE EFFECT ON HUMAN HEALTH AND WELL-BEING. THEY REDUCE STRESS LEVEL AND INCREASE CREATIVITY.

In the 4Nature System, we have checked the exact impact of our vertical plant systems on office workers.

The research was carried out on our behalf by the Polish Green Building Council together with the Silesian University of Technology.

The impact of 4Nature System plant solutions on people and the needs of employees were analysed in 10 large Warsaw companies for 12 weeks. The results of the research confirmed the positive impact of nature on the comfort and quality of the working environment.



### 10 COMPANIES

Ikea, Skanska, Tetris, WSP Poland, Vastint, Keller Williams Poland, HB Reavis, JLL, Arc Interiors, Bank.



### 12 WEEKS OF RESEARCH

We analysed the sensations before the introduction of 4Nature Basic plants, during their presence and after their removal.



### 240 SURVEYS

So many surveys were conducted by us in each of the 3 stages of the research.



### 4NATURE BASIC

34 mobile free-standing plant walls.



### A, A+, A++ BUILDINGS

Buildings with HVAC system.



### 1500 PLANTS

15 plants / person.



## RESULTS

62%

of people noticed an increase in work efficiency and cognitive performance.

84%

of employees felt an improvement in their well-being and reduction in stress.

86%

of people confirmed an improvement in work comfort.

80%

of employees felt an improvement in air quality and humidity.

88%

of people want to have plants as close to the workplace as possible – up to 2 meters.





# WE FOCUS ON SUSTAINABILITY



HEALTHY AND SUSTAINABLE  
WORKPLACES BUILD AN IMAGE  
OF A RESPONSIBLE COMPANY  
THAT VALUES THE IDEALS  
OF SUSTAINABLE DEVELOPMENT.

Companies, for which sustainable development is important, gain a lot. They gain a better non-financial rating and are better perceived by both investors and potential employees.

The ESG is becoming a sustainable trend in the real estate market, both locally and globally, and is accelerating development in three important areas of the organisation: environmental protection, corporate governance and social criteria.

Innovative 4Nature System solutions support the achievement of ESG goals by developers and investors who implement projects within the green construction and apply for green certificates.

Green walls, mobile furniture and partitions with vegetation have a positive effect on the working environment and the well-being of people staying in offices, improving their work comfort. They also build an image of a responsible company that values the ideals of sustainable development.

# HOW DOES 4NATURE SYSTEM WORK?



- 1 Choose the most suitable product for your space and configure it to your needs.
- 2 Pour water into the tank.
- 3 Insert the moisture sensors into the substrate in plant modules.
- 4 Turn ON the power.
- 5 Connect and set up the controllers.
- 6 Sensors, controllers and plant grow light start to work!
- 7 4Nature System mobile app provides autonomous plant care, controls air quality and light.












## 4NATURE **BASIC** MOBILE PLANT WALL



Model:  
**S3-8-2**

4Nature Basic is an offer of mobile plant walls created mainly for users of office spaces. The simple and functional solution is based on the proprietary, patented 4Nature System technology. The modules with plants are enclosed within an aesthetic frame, have an integrated water tank and nutritional lighting for plants. 4Nature Basic can be easily adapted to the office space, both at the design stage and in existing arrangements.

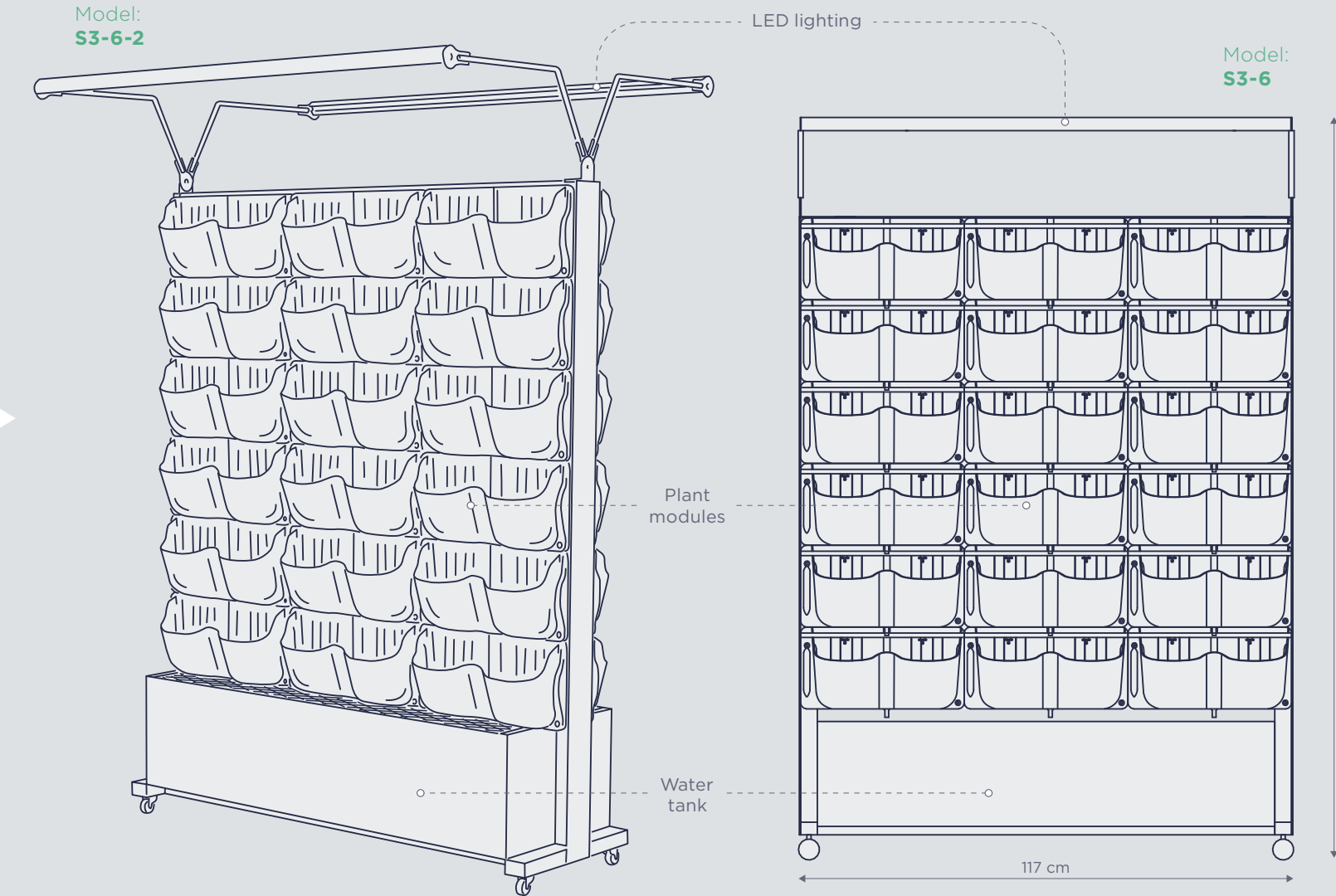
4NATURE **BASIC** is:

-  mobility
-  mobile app – autonomous plant care
-  increase in air humidity
-  single-sided and double-sided structures
-  improved acoustics
-  closed water circuit
-  integrated LED assimilation lighting
-  reuse and long-lasting durability
-  ease of installation and disassembly

4NATURE **BASIC** CAN BE EASILY  
ADAPTED TO THE OFFICE SPACE.

## TECHNICAL INFORMATIONS

## 4NATURE **BASIC**



\*example of arrangement

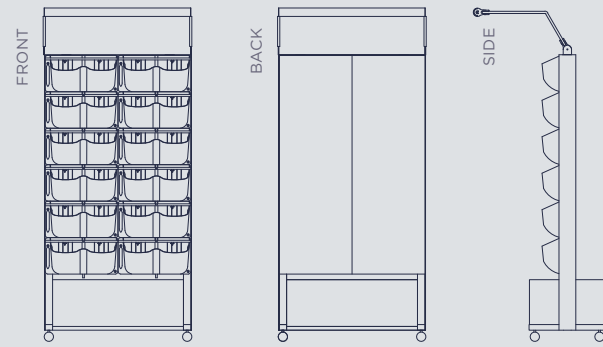




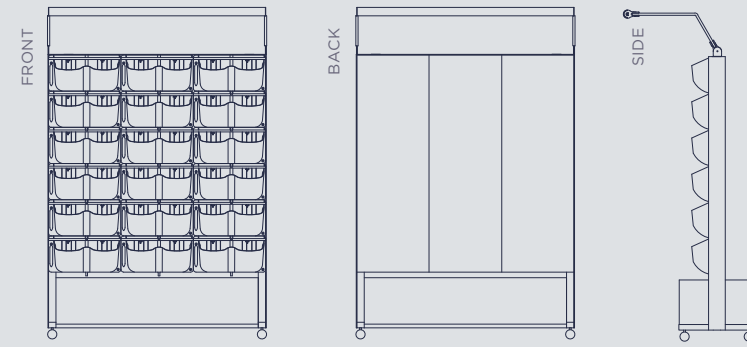
## AVAILABLE MODELS



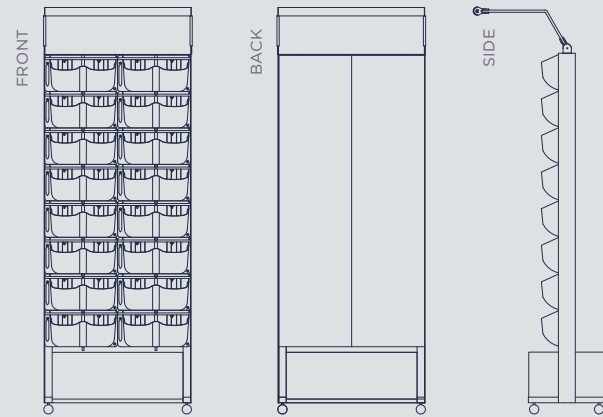
### 4NATURE BASIC



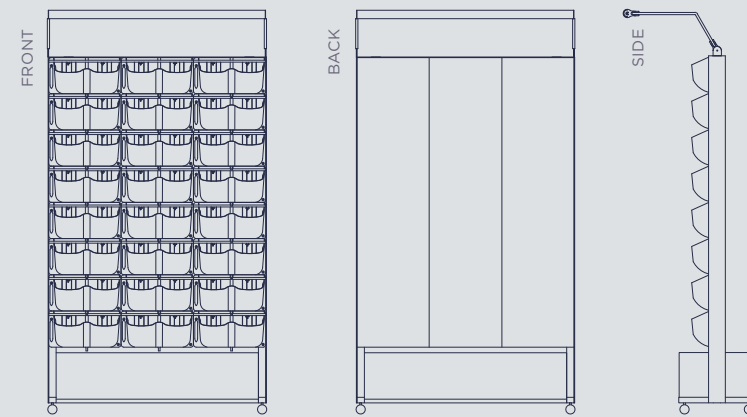
**Model: S2-6**  
78W x 177H x 40D cm  
- double plant modules  
- 24 plants  
- one-sided vegetation  
- rear acoustic panel



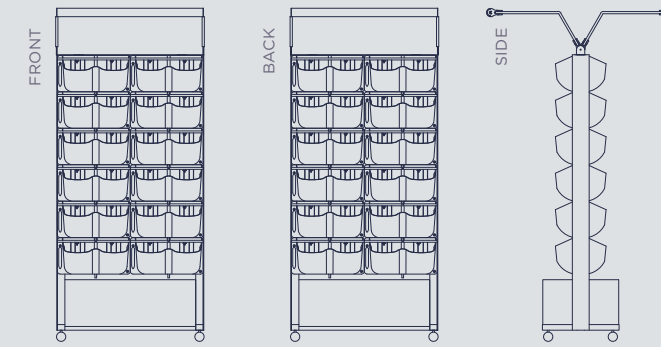
**Model: S3-6**  
117W x 177H x 40D cm  
- double plant modules  
- 36 plants  
- one-sided vegetation  
- rear acoustic panel



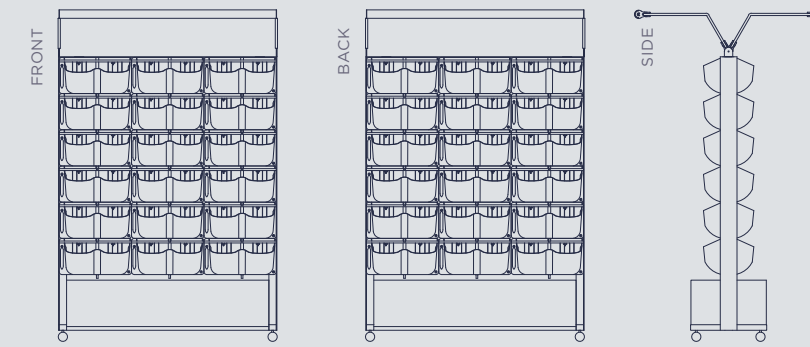
**Model: S2-8**  
78W x 217H x 40D cm  
- double plant modules  
- 32 plants  
- one-sided vegetation  
- rear acoustic panel



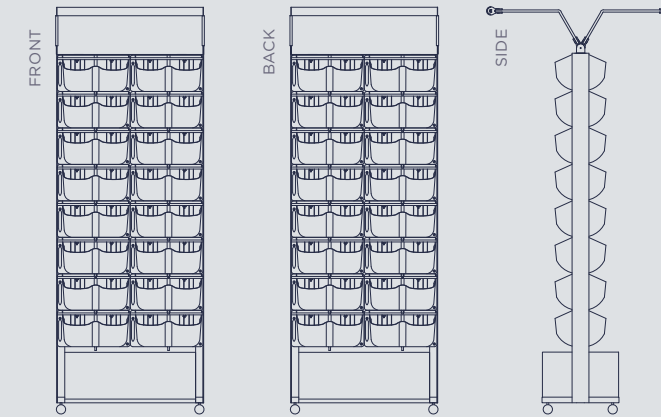
**Model: S3-8**  
117W x 217H x 40D cm  
- double plant modules  
- 48 plants  
- one-sided vegetation  
- rear acoustic panel



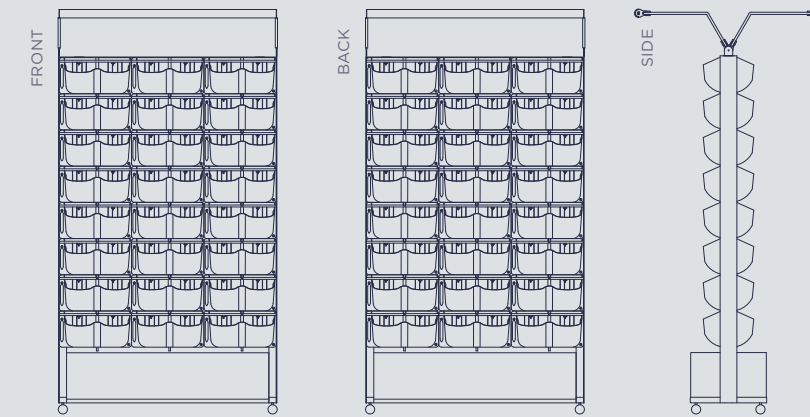
**Model: S2-6-2**  
78W x 177H x 40D cm  
- double plant modules  
- 48 plants  
- double-sided vegetation



**Model: S3-6-2**  
117W x 177H x 40D cm  
- double plant modules  
- 72 plants  
- double-sided vegetation



**Model: S2-8-2**  
78W x 217H x 40D cm  
- double plant modules  
- 64 plants  
- double-sided vegetation



**Model: S3-8-2**  
117W x 217H x 40D cm  
- double plant modules  
- 96 plants  
- double-sided vegetation

### 4NATURE BASIC













## PRODUCTS

### 4NATURE N'JOY COMPACT PLANT PARTITIONS

DESIGNED FOR OFFICE  
AND COMMERCIAL SPACES,  
IT IS AN ALTERNATIVE TO  
STANDARD UPHOLSTERED WALLS.

4Nature N'Joy is a line of compact plant partitions based on proprietary, patented 4Nature System technology. Designed for office and commercial spaces, it is an alternative to standard upholstered walls. It is used as a practical partition that improves interior acoustics at the same time. It has a built-in water tank and integrated assimilation lighting. 4Nature N'Joy can be easily adapted to the office space, both at the design stage and in existing arrangements.

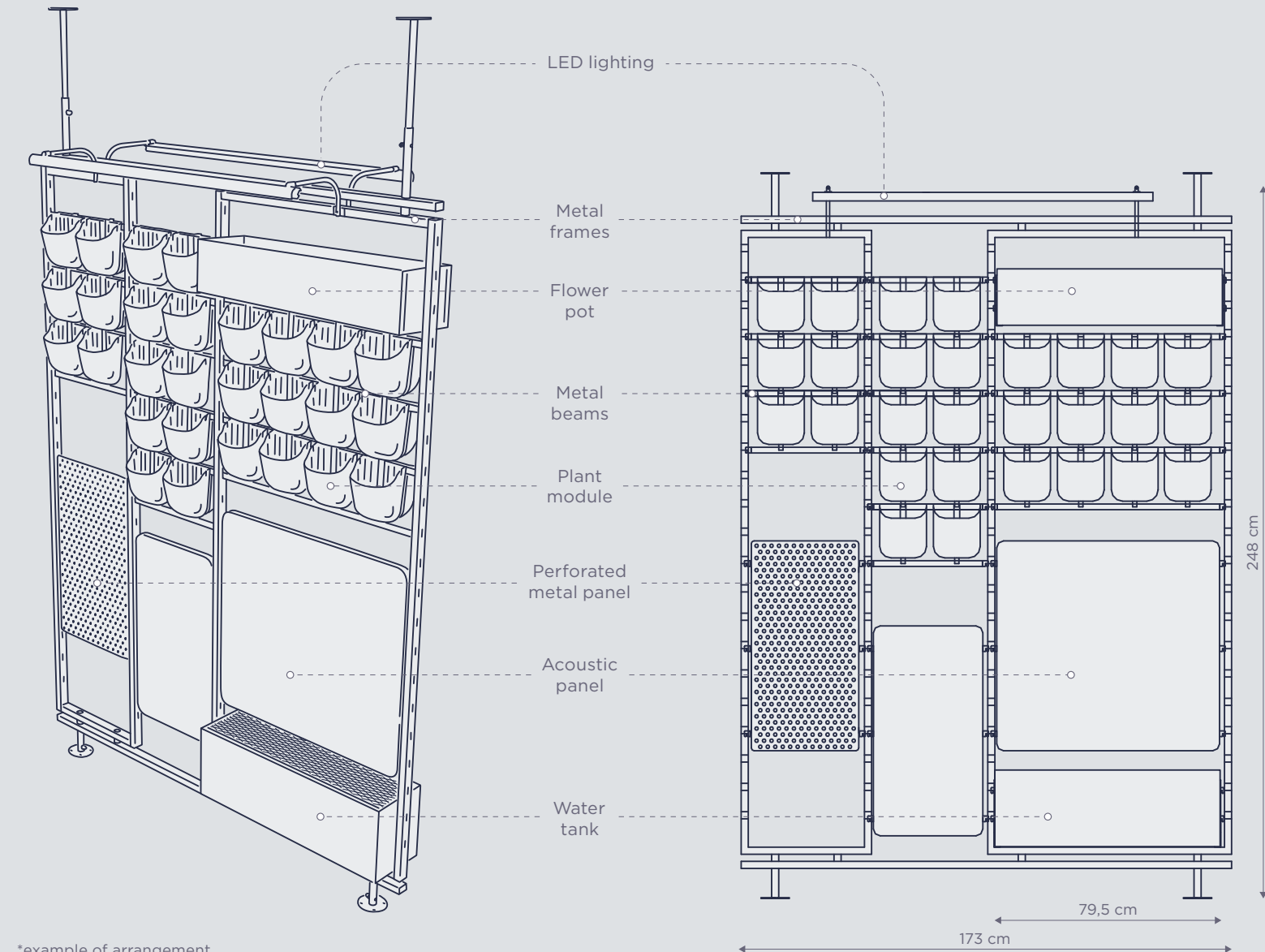
4NATURE N'JOY is:

-  modularity and multi-functionality
-  mobile app – autonomous plant care
-  increase in air humidity
-  interchangeable decorative and acoustic panels
-  integrated LED assimilation lighting
-  closed or open water circuit
-  reuse and long-lasting durability
-  ease of installation and disassembly

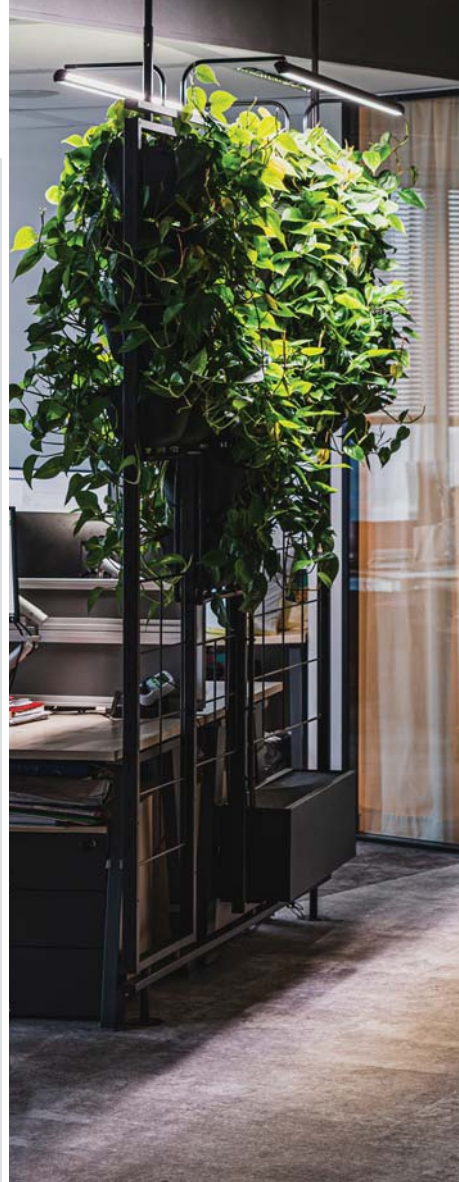


## TECHNICAL INFORMATIONS

## 4NATURE N'JOY



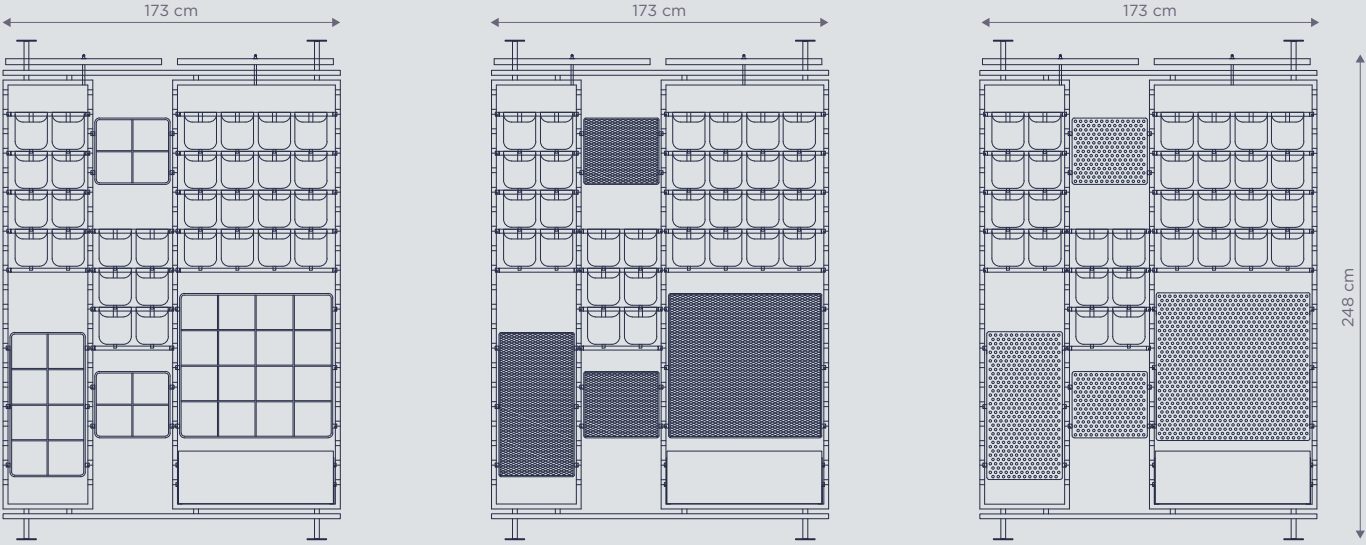
\*example of arrangement



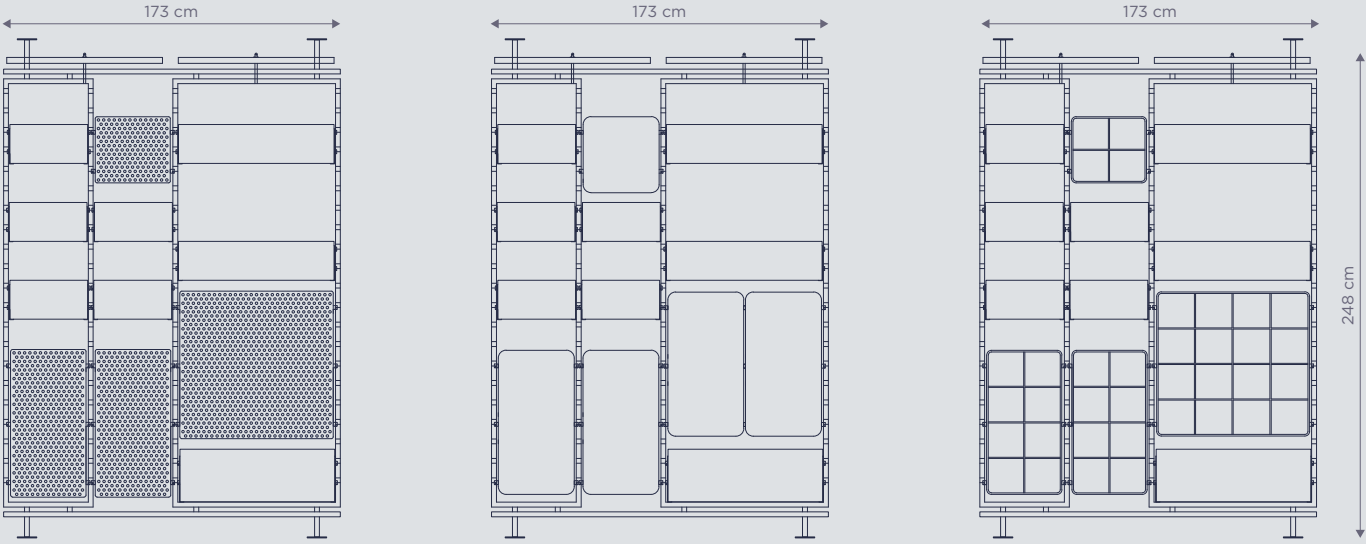


ARRANGEMENT  
EXAMPLES

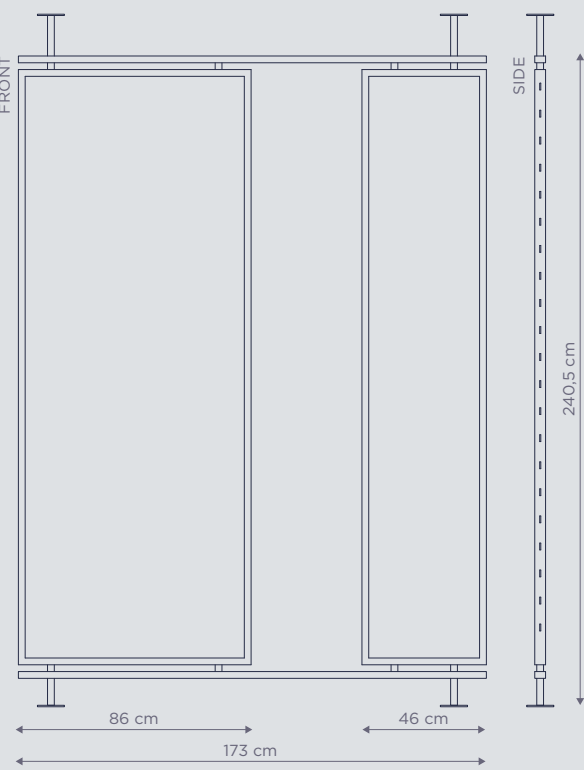
Arrangements examples  
with plant modules



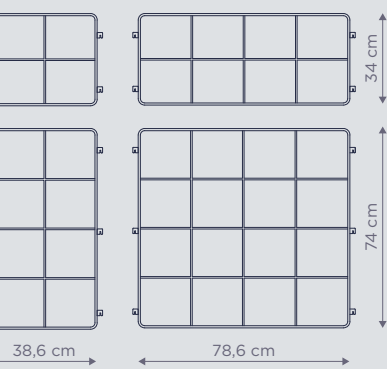
Arrangements examples  
with flower pots



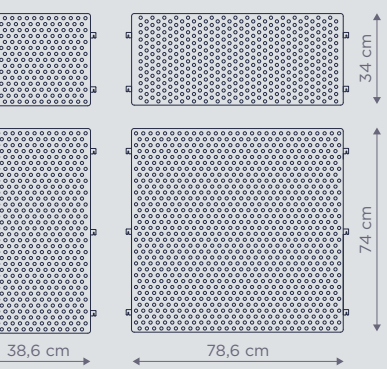
Metal frames



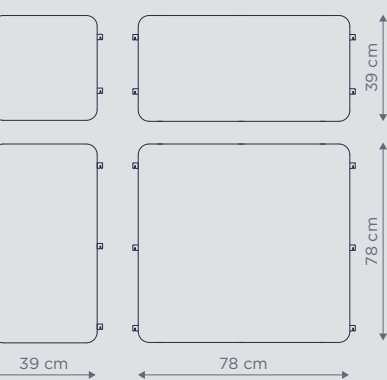
Mesh panels



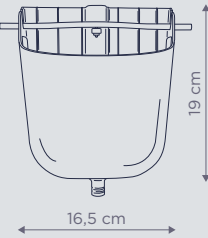
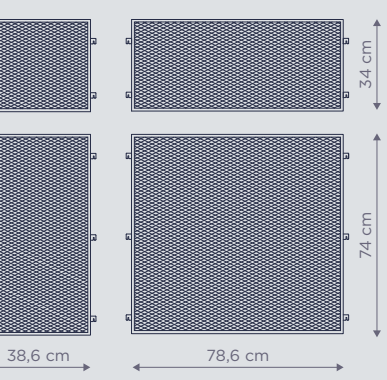
Perforated metal panels



Acoustic panels



Expanded metal mesh panels



Single plant module  
4Nature System

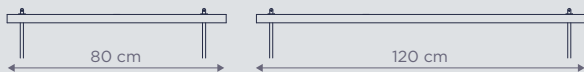
Metal beams



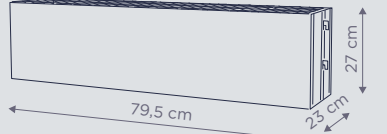
Flower pots



LED lighting



Water tank



SYSTEM  
COMPONENTS













## 4NATURE **AMSTEL**

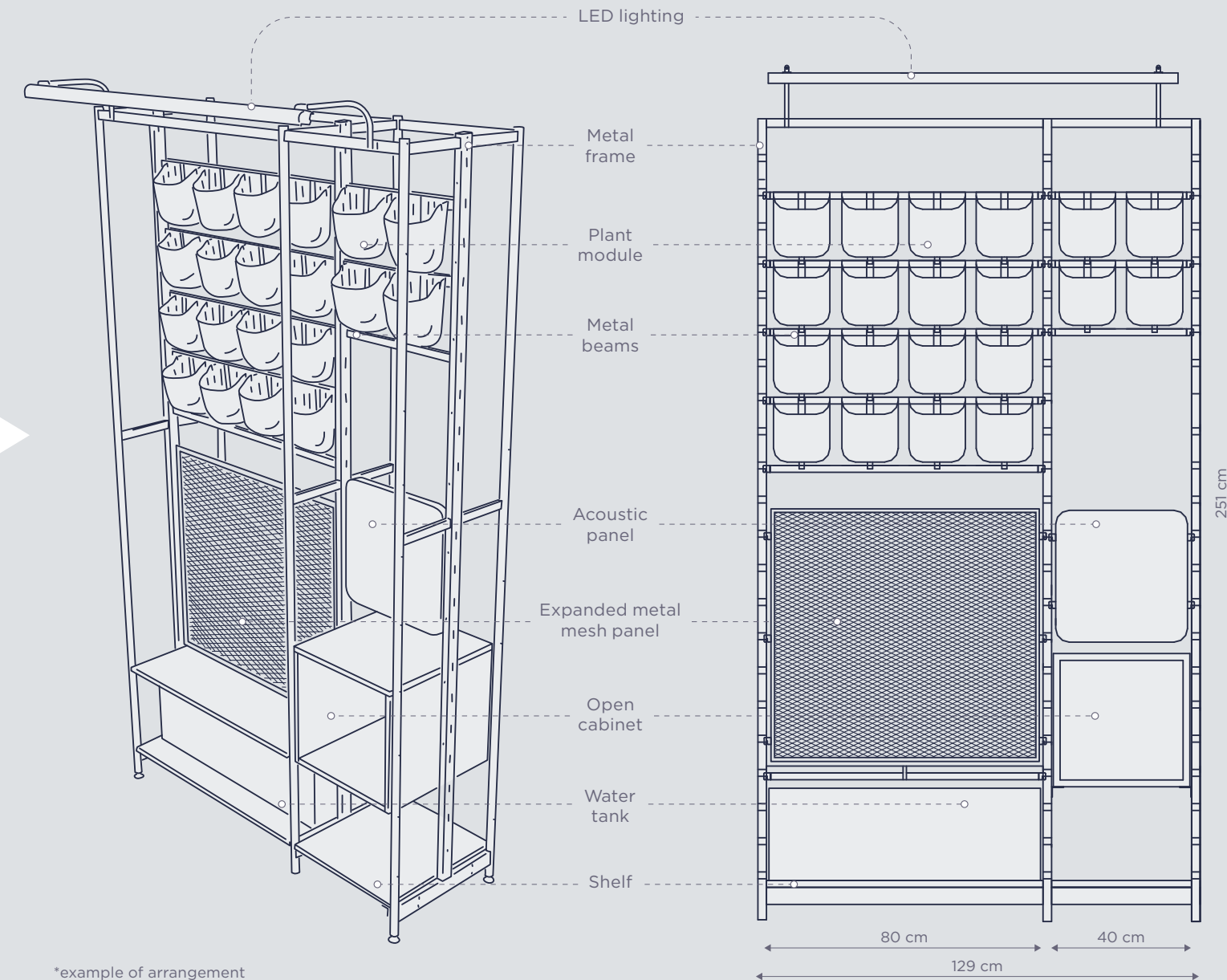
A FREE-STANDING PLANT RACK

THANKS TO THE **MODULAR DESIGN**,  
WE CAN CREATE RACKS OF ANY LENGTH.

4Nature Amstel is an innovative free-standing plant rack that combines live plants in modules in 4Nature System technology, interchangeable storage elements – shelves, open and closed cabinets, water tanks, light as well as decorative and acoustic panels. Thanks to the modular design, we can create racks of any length which allows for functional arrangement of green furniture in both larger and smaller offices.

4NATURE **AMSTEL** is:

-  combination of furniture, partitions and plant modules
-  mobile app – autonomous plant care
-  increase in air humidity
-  modularity and flexibility – thanks to interchangeable elements
-  integrated LED assimilation lighting
-  closed water circuit
-  reuse and long-lasting durability
-  ease of installation and disassembly



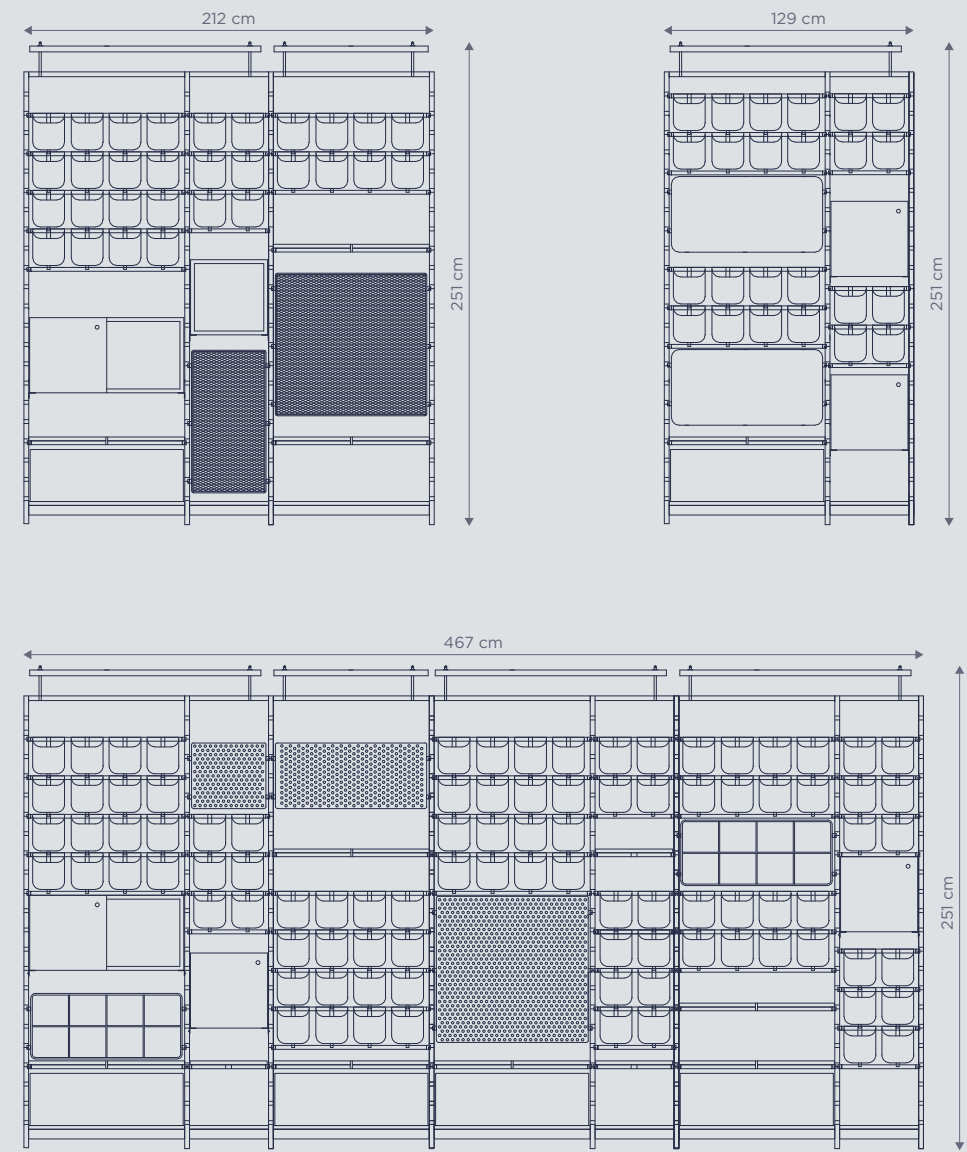
\*example of arrangement





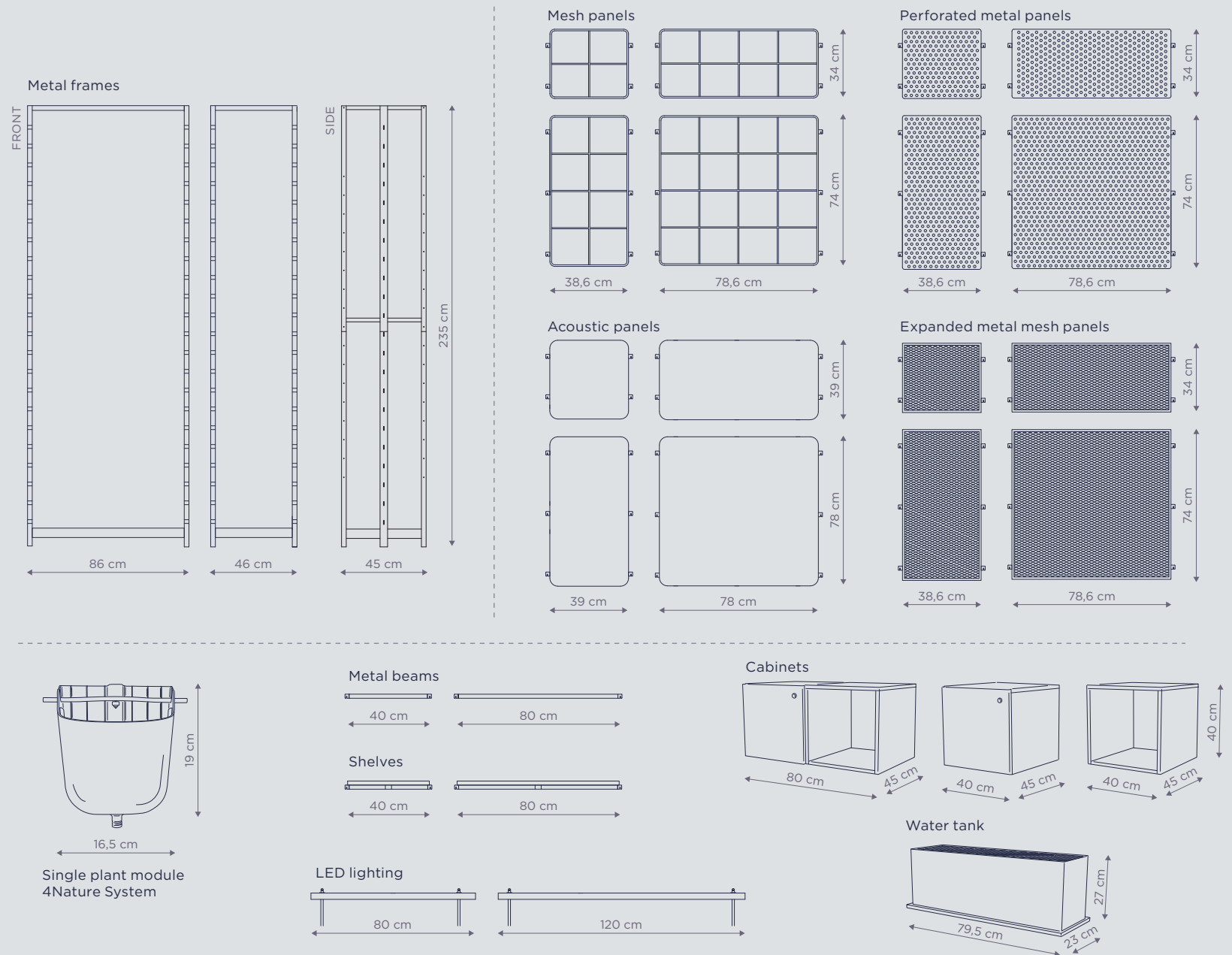
ARRANGEMENT  
EXAMPLES

4NATURE  
**AMSTEL**



4NATURE  
**AMSTEL**

SYSTEM COMPONENTS





# 4NATURE VITIS

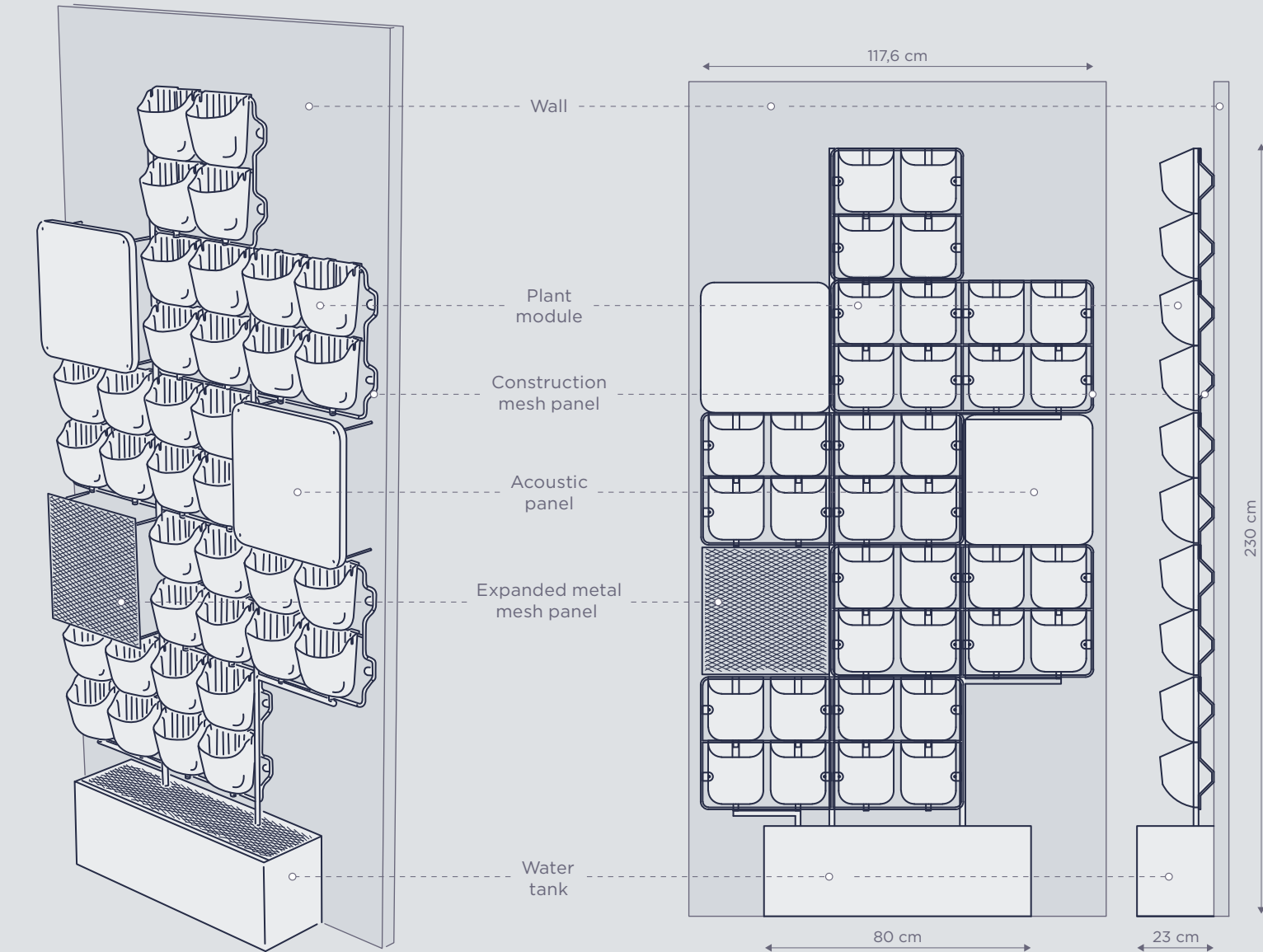
NEW GENERATION OF GREEN WALLS

SYSTEM MODULARITY ALLOWS FOR UNPRECEDENTED FREEDOM OF ARRANGEMENT AND FLEXIBILITY.

4Nature Vitis is a new generation of vertical indoor gardens. System modularity allows for unprecedented freedom of arrangement and flexibility that no green walls have offered so far. The key element of 4Nature Vitis are lightweight and openwork, innovative plant modules. 4Nature Vitis can be easily adapted to the office space, both at the design stage and in existing arrangements.

4NATURE VITIS is:

- modularity and flexibility of arrangement
- mobile app - autonomous plant care
- increase in air humidity
- possibility of adding acoustic panels
- lightness of construction - max. 40 kg / sq m
- closed or open water circuit
- reuse and long-lasting durability
- ease of installation and disassembly



\*example of arrangement

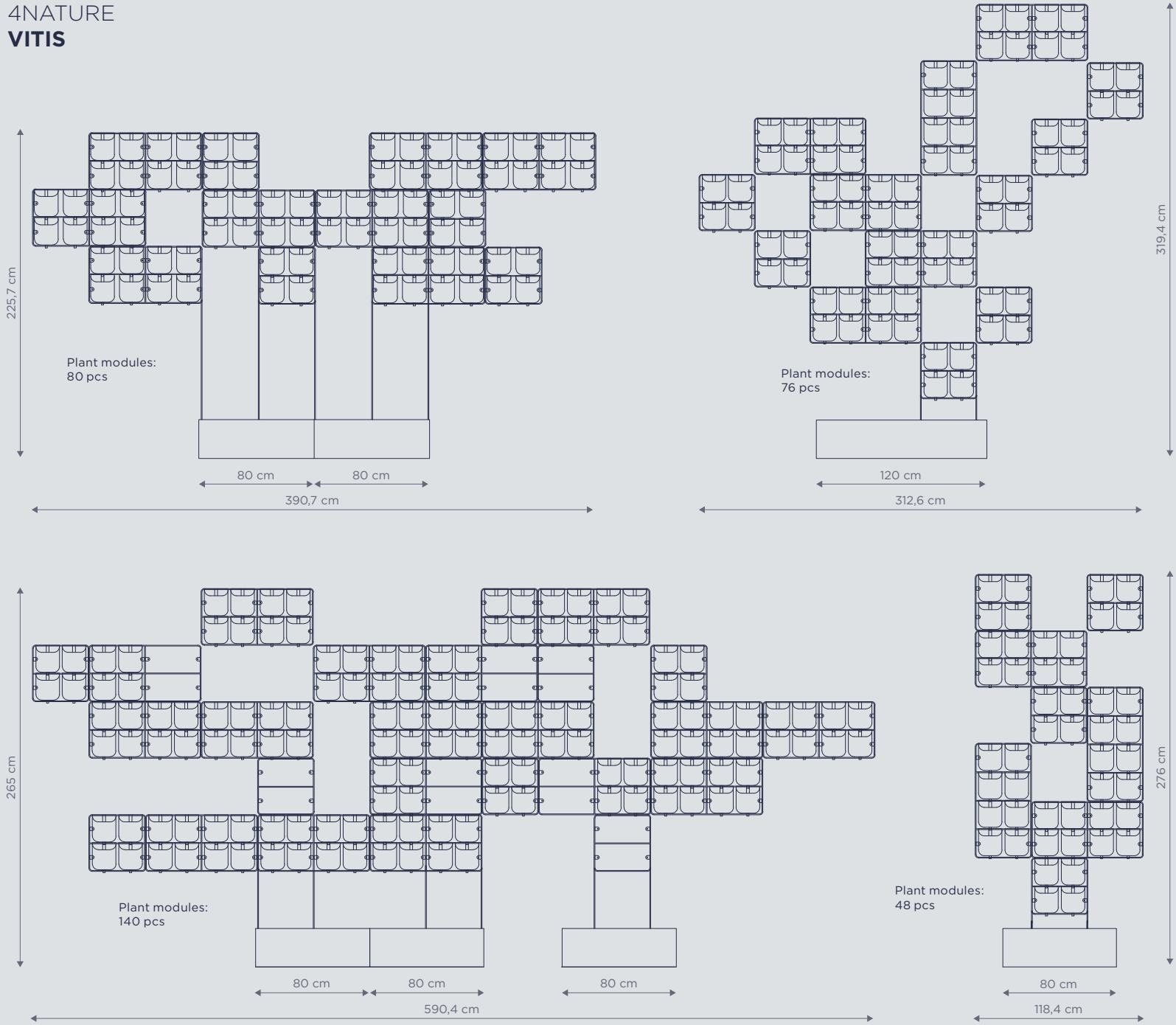




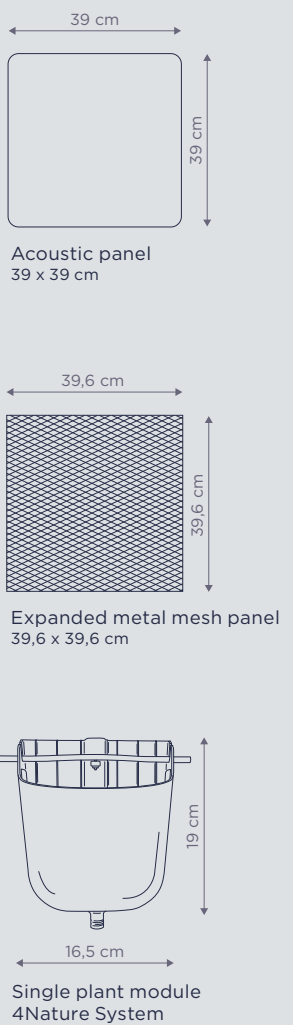
ARRANGEMENT  
EXAMPLES



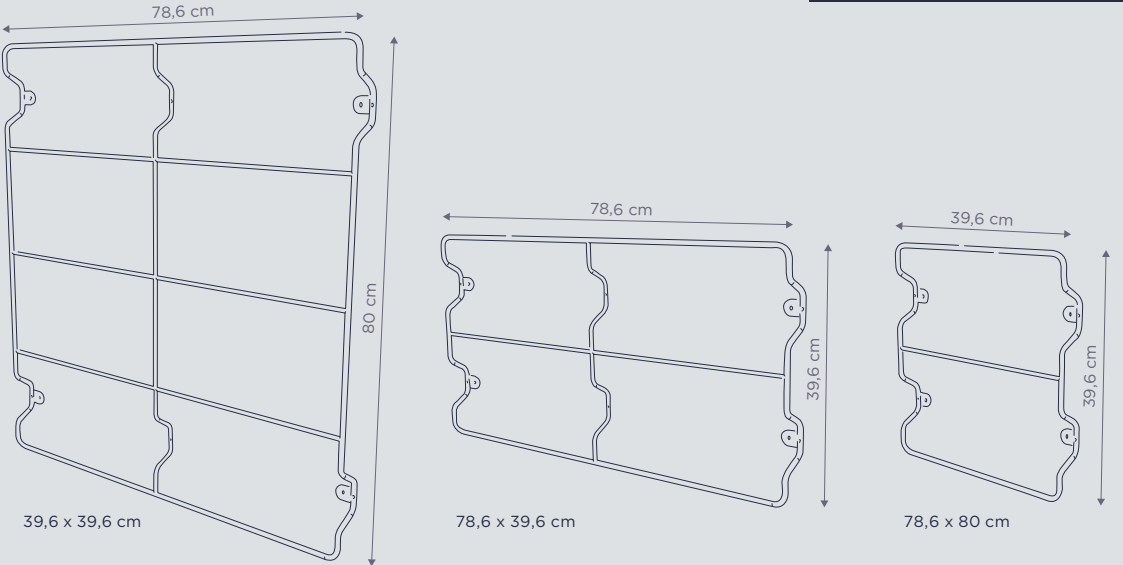
4NATURE  
VITIS



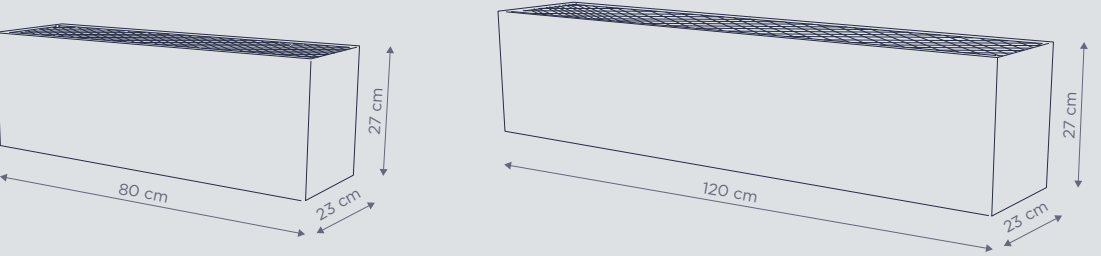
4NATURE  
VITIS



Construction mesh panels



Water tanks



SYSTEM  
COMPONENTS





# 4NATURE WALL

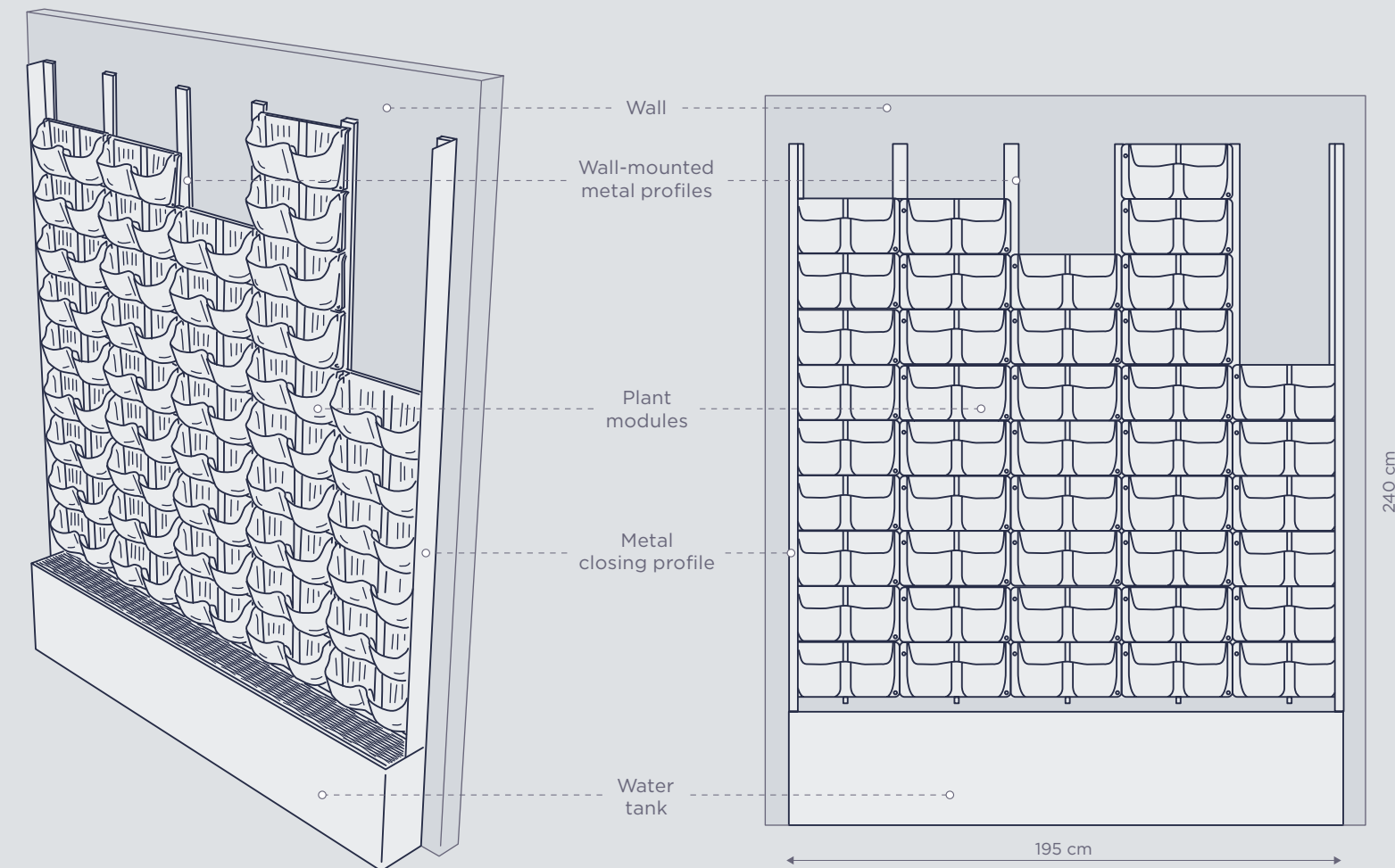
CUSTOM-MADE GREEN WALLS

YOU CAN EASILY ADAPT  
VERTICAL PLANT COMPOSITIONS  
TO THE AREA OF THE ANY ROOM.

4Nature Wall is a vertical wall-mounted garden. You can easily adapt vertical plant compositions to the area of the room and optimally use the available space. Live vegetation on the walls is not only an impressive decorative element, it is also a natural way to increase air humidity and quality, as well as to improve acoustics in every interior, regardless of its surface. 4Nature Wall can be easily adapted to the office space, both at the design stage and in existing arrangements.

4NATURE WALL is:

- ✓ possibility of custom arrangement
- 📱 mobile app - autonomous plant care
- 💧 increase in air humidity
- 🔊 improved acoustics
- 📊 lightness of construction – max. 40 kg / sq m
- 🔄 closed or open water circuit
- ⚡ LED assimilation lighting
- ♻️ reuse and long-lasting durability
- 👉 ease of installation and disassembly

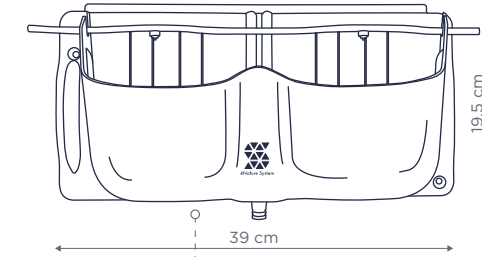


\*example of arrangement



# SCHEME OF SYSTEM

4NATURE WALL

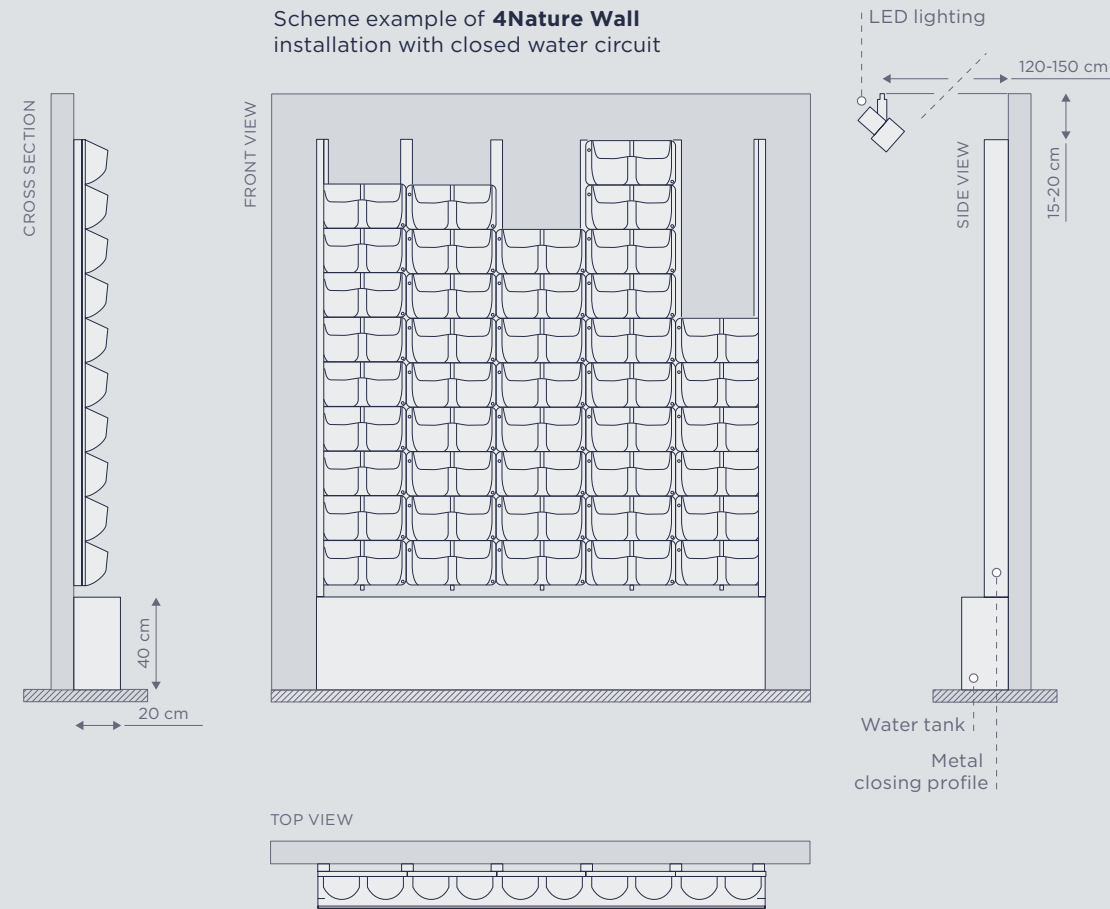


THE BASIS OF 4NATURE WALLS IS THE INTERCONNECTED IRRIGATION SYSTEM AND VENTILATED MODULES.

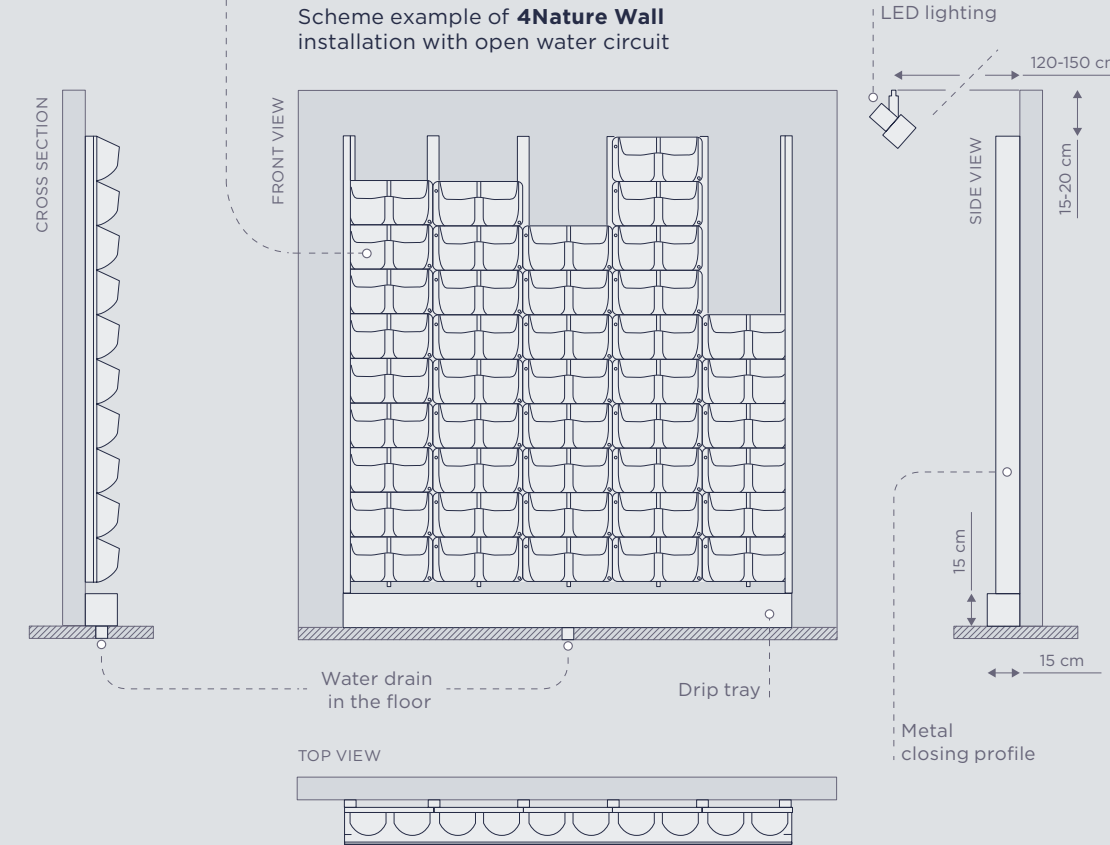


\*examples of arrangement

Scheme example of 4Nature Wall installation with closed water circuit



Scheme example of 4Nature Wall installation with open water circuit



# SCHEME OF SYSTEM







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