



# greenyGARDEN

THE GARDENER OF YOUR LIFE





# WARNING

## Danger of addiction

The **greenyGARDEN** is addictive and changes your consciousness. It is therefore only suitable for people who are open-minded and positive.

## No prescription required

The **greenyGARDEN** is not available in pharmacies. It triggers feelings of happiness and is only suitable for people with a positive personality.

## Disease

The **greenyGARDEN** is good for your health and should therefore only be used by people to whom this is important.

## Poisons

The **greenyGARDEN** is not suitable for people who want to eat poisoned, manipulated food. It produces only healthy plants.

## Fakes

All pictures in this brochure are original pictures from the **greenyGARDEN** and not photoshop reworked. All plants pictured are actually grown there.

## Permit

For the operation of the **greenyGARDEN** no permit or academic education is required.

## Competitor

Dear competitors, know-it-alls and smart alecks, in the **greenyGARDEN** no plastic plants are used for photos. Tomatoes, melons and cucumbers grow there in fact.

## Original

All persons pictured are dedicated employees and friends and no models, with the exception of Martina Hirschmeier on page 70, who really does look so great and is also a presenter with a sense of humor.

P.S.

All of you who are bothered by the caterpillar, don't forget, it is also a part of nature. From it a beautiful butterfly emerges. The **greenyGARDEN** creates butterflies in the belly!





# THE DAWN OF A HEALTHY FUTURE

Imagine nature coming into your home!  
Wild, breathtaking and incredibly beautiful!

Live in tune with nature again!  
Plants grow near you and exude  
their healing aromas.  
Experience the incredible energy of healthy plants!





# DISCOVER

Discover how the air becomes clean and plants increase your well-being!

Be inspired by a variety of plants that greet you every morning!





# FEEL

Feel the smile in your heart!

Taste unpolluted nature and  
become one with it!





# USE KNOWLEDGE

Use the knowledge of experienced botanists and achieve impressive plant growth without much effort!

Our two chief botanists Ben & Usman have programmed the **greenyGARDEN** with all their knowledge.







# WHO SOWS BELIEVES IN THE FUTURE

Find out how easy it is to grow from a seed!

Raising plants has never been  
so easy, safe and fast.



The growing-chamber of the **greenyGARDEN**





Discover now the **greenyGARDEN** for your home!





# PASSIONATE IDEAS

From time to time there are always ideas that have the power to change the world.

The **greenyGARDEN** is undoubtedly one of them. It was created with passion and in harmony with nature.

All **greenyGARDEN** are produced with environmentally friendly 3D printers in small neighborhood manufactures.



# KNOWING INSTEAD OF BELIEVING

For a long time, we have believed that the fruits and vegetables, from the refrigerated shelf in the supermarket or our refrigerator, are fresh. But if you take a closer look, you will see that almost everything we consume today is artificially ripened and kept fresh for days, often even weeks.

The routes from the producer to us are long and regulated by many laws. A large part of the energy in the plants is lost in the process or cannot develop at all.

The **greenyGARDEN** takes a completely different approach here.



The **greenyGARDEN** right next to the built-in refrigerator



# LUXURY GARDEN

Few of us have the luxury of our own garden in which to grow vegetables and fruit. Growing plants also requires a lot of work as well as some knowledge.

The **greenyGARDEN** by greeny+ TECHNOLOGY is the solution of the future.

With a footprint of just 0.1 m<sup>2</sup>, it produces as many vegetables year-round as 60 m<sup>2</sup> of land and saves up to 95% water. Operation is child's play and requires hardly any time.







# THE NEW WAY TO KEEP YOUR FOOD FRESH

For the first time, a team of dedicated scientists, technicians and experienced botanists succeeded in developing a plant growth system that revolutionizes the "made@home" market.

In the future, everyone will once again be able to have his own garden - the **greenyGARDEN** - at home, directly right next to the refrigerator, on the balcony or in the kitchen.

There it will then produce really fresh, unadulterated, hexagonal plants, rich in valuable vitamins and minerals.

In the process, you harvest only what really is needed on the plate, everything else remains fresh and continues to grow until it is needed.

No throwing away of packaging and too many vegetables that end up wilting in the refrigerator.

Corinna and Mara preparing a salad, freshly harvested from their **greenyGARDEN**.



# EVERYTHING IN ONE SYSTEM

From seed to finished plant, everything is grown in the **greenyGARDEN** just like the professional gardeners do, only child's play.





# Three functions combined in one system

The worldwide unique grow drawer is versatile in use. Thanks to the LED grow light located directly above the drawer and a microclimate of approx. 65% humidity, the **greenyGARDEN** offers the optimal growing and germination conditions for young plants of all kinds.

Due to the **greenySTART** with space for 40 seedlings, it is child's play to start your **greenyGARDEN** for the first time. Simply place the desired seed in the **greenySTART** provided for this purpose and let it germinate under optimal conditions and mature into a young plant. After 10 days you can plant the first plants into the **greenyGARDEN**. The first harvest is not long in coming.

To maximise the growing potential of the **greenyGARDEN** you can produce more young plants yourself through the growing-chamber, sowing selected seeds of the variety you choose - no insert is required for this. Similar to the first sowing, the **greenyBASE** is sown with the desired seed then- wrapped with the supplied coconut fiber. This wrap is placed in the **greenyPOD** and is placed in the growing-chamber for 8 to 10 days. This way grows up to 16 young plants. In addition this ensures that there are always enough plants available.

Even if the **greenyGARDEN** is fully stocked, the growing-chamber does not have to remain empty. Thanks to the regulated growing conditions, an optimal microclimate is created, through which you can grow tasty, healthy and crispy fresh microgreens.

These little power dwarfs fit perfectly into a salad, with hot meals or even on a dessert. Simply place the designated seeds on a

**greenyPODs**  
After the first sowing, up to 16 young plants can be grown regularly..



**greenyMICRO**  
Strong and bright green, after only a few days the microgreens are ready for consumption.



**greenySTART**  
Space for 40 plants, in which the first planting for the **greenyGARDEN** can be germinating.



dampened coconut fiber mat in the growing-chamber.

The first 2 to 3 days the seed germinates in the dark. As soon as the first buds form, add another 2 to 3 days of light. Through the beginning process of photosynthesis, the shoots form strong green leaves in a short time.





# THE greenyGARDEN DIVERSITY

Just about anything that grows above ground can be grown in a **greenyGARDEN**. A variety of lettuces and herbs, tomatoes, broccoli, kohlrabi and eggplants are no problem! Even unusual varieties like exotic giant cucumbers and bitter melons from Kashmir grow in the **greenyGARDEN**.



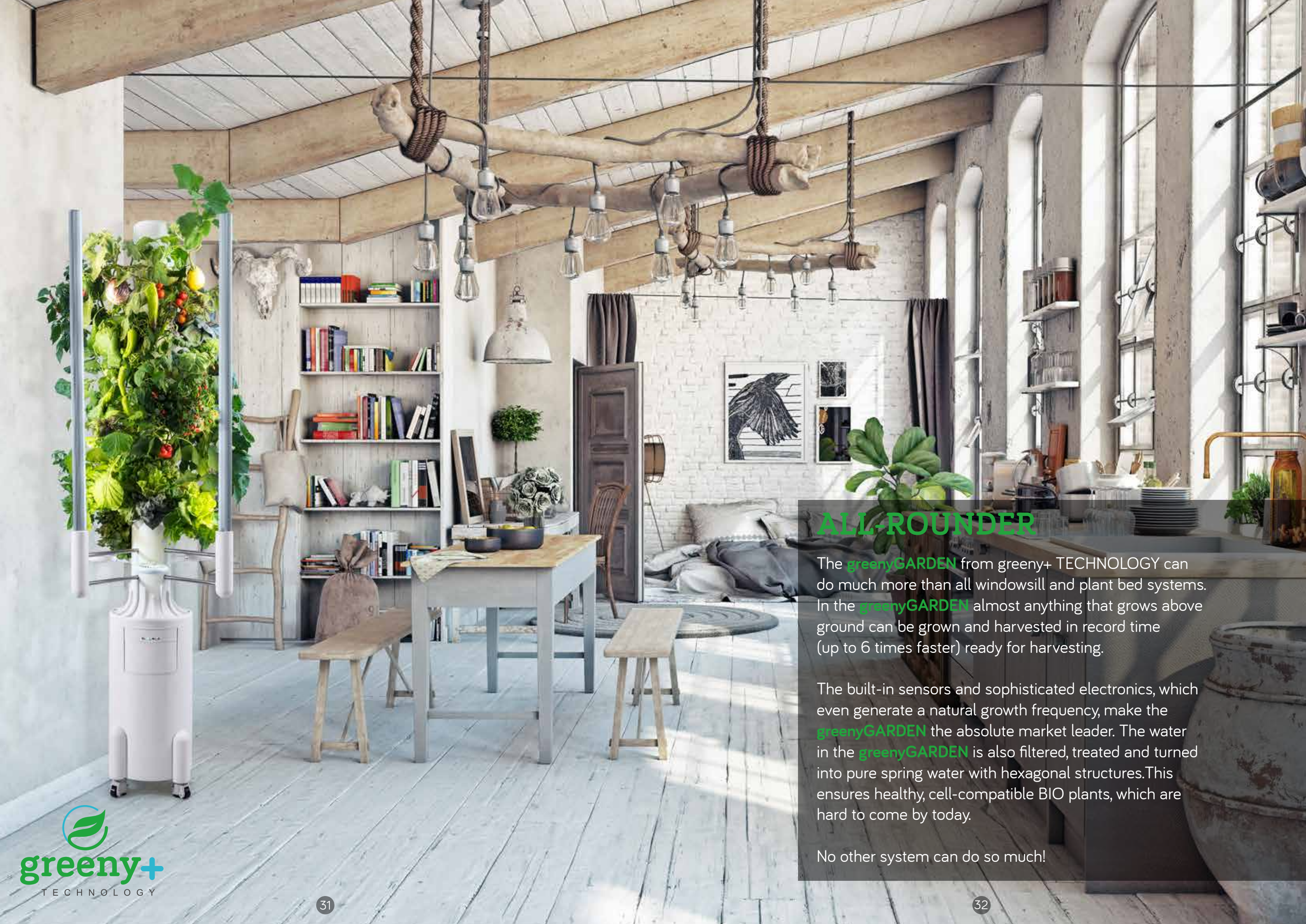


THIS ALSO GROWS IN THE  
greenyGARDEN...



Bitter melon from Kashmir, grown in  
greenyGARDEN from original seeds.





## ALL-ROUNDER

The **greenyGARDEN** from greeny+ TECHNOLOGY can do much more than all windowsill and plant bed systems. In the **greenyGARDEN** almost anything that grows above ground can be grown and harvested in record time (up to 6 times faster) ready for harvesting.

The built-in sensors and sophisticated electronics, which even generate a natural growth frequency, make the **greenyGARDEN** the absolute market leader. The water in the **greenyGARDEN** is also filtered, treated and turned into pure spring water with hexagonal structures. This ensures healthy, cell-compatible BIO plants, which are hard to come by today.

No other system can do so much!



# LOCAL, ENVIRONMENTALLY FRIENDLY PRODUCTION

The production of the **greenyGARDEN** is also unique in the world. For the first time, a plant growth system is produced locally in small neighborhood manufactures in your locality.

"Made in China" or "Made in Germany" was yesterday. The social, environmentally friendly production of the future is called "made@home".

Maybe soon your neighbor will produce **greenyGARDEN** for greeny+ TECHNOLOGY with 3D printers at home. These printers are taking the world by storm and will revolutionize industrial production. In the future, many goods such as shoes, motors, spare parts and even houses will be produced using 3D printing.

greeny+ TECHNOLOGY is already letting everyone in on the action and enables not only the powerful and rich to earn money from this billion-dollar business.





## THE NEIGHBORHOOD MANUFACTORY NEAR YOU

See on site how the **greenyGARDEN**  
is produced and get valuable tips  
from experts.



Individual parts of the **greenyGARDEN** plug-in system



# PACKAGING AND TRANSPORT

## Sustainable together

Due to the decentralized production of the **greenyGARDEN** reduces delivery and transport routes and thus makes a contribution to the protection of our planet.

Another major factor is the reduction of packaging material. In addition to shipping, greeny+ TECHNOLOGY also offers self-collection in a neighborhood manufactory in your locality. Thereby almost all packaging can be dispensed with. Just simply bring a blanket.





# MANUFACTURING FROM NATURE

From the beginning of the **greenyGARDEN** project it was clear to greeny+ TECHNOLOGY that they did not want to contribute to producing more plastic waste, which has polluted our blue planet for centuries. The material therefore had to be completely biodegradable.

For over a year, greeny+ TECHNOLOGY carried out extensive tests to make the **greenyGARDEN** as environmentally friendly and climate-neutral as possible.

The top priority was also chemical neutrality, so that no hazardous substances enter the water of the **greenyGARDEN** and therefore also the plants that we grow in it.

For the production of all **greenyGARDEN** products we use a renewable BIO-Polymer based on bound lactic acid molecules. It is completely biodegradable, does not contain plasticizers or other hazardous ingredients.

It has all required European approvals and is particularly suitable for foodstuffs. The BIO-Filament is produced in Europe under strict controls. The matt surface is particularly suitable for the production of plant pots.



This can be seen wonderfully with the roots of the plants. These like to cling to the surface of the **greenyGARDEN** which they would not do with a product made of plastic.

Here too, the **greenyGARDEN** sets new standarts.



FDA certified food approval



RoHS confirmation: no hazardous ingredients present



REACH certified chemical composition



Fully biodegradable according to DIN ISO 14855



UV-resistant



According to DIN 4102-UL94-B1 flame retardant

Our 3D printer as well as the software are optimally adjusted to this BIO-Polymer thanks to extensive tests. The carrier roll of the BIO-polymer is made of recycled cardboard.

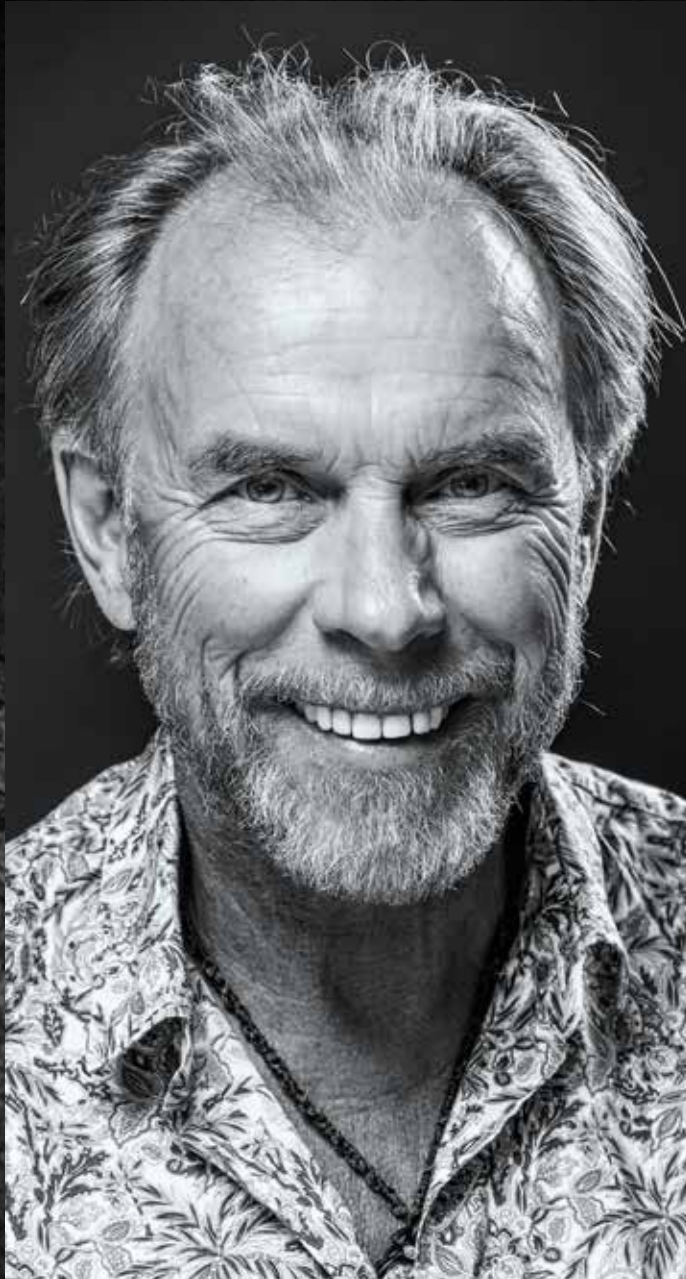
In addition, we have committed to planting one tree for each roll of BIO-Polymer. In this way, we are making an important contribution to the CO<sub>2</sub> balance, because for every 4 kg of CO<sub>2</sub> consumed for the production of the filament, we neutralize 22 kg of CO<sub>2</sub>



with a planted tree. Since the material is a valuable raw material for us, we take back all **greenyGARDEN** products free of charge when they are no longer used and turn them into new parts.



# INTERVIEW WITH ULI SCHWARTAU



**Uli Schwartau**  
CEO greeny+ TECHNOLOGY

**greeny+ TECHNOLOGY is an innovative, green company. Can you tell us how the idea for it came about?**

I have lived my whole life in harmony with nature, without ignoring technical progress. For me it was time to use my knowledge in the interest of people and to contribute something to the healthy further development of our planet.

The idea of greeny+ TECHNOLOGY was born during the Corona Lockdown here in Mallorca. I wanted to do something good for my family and myself and strengthen our immune systems. Healthy, nutrient-rich plants are essential for this.

I bought organic seeds and started growing them. We quickly saw that conventional cultivation is not very productive and also requires a lot of time and knowledge. So the idea of a vertical garden was born, which takes care of the plant growth fully automatically. A virtually programmed green thumb. The **greenyGARDEN** was born.

**Why did you build the **greenyGARDEN** on the basis of an aeroponic system?**

Water is precious and should not be wasted. Aeroponic systems save up to 95% water compared to conventional cultivation. In this respect it was logical to grow aeroponically.

**Is the operation of a **greenyGARDEN** really as easy as promised?**

Yes, that was one of the crucial points and it has been perfectly implemented. Thanks to the efforts of our dedicated team.

**What are your highlights in **greenyGARDEN**?**

Child's play growing plants including perfect seed raising in a separate drawer. Filtered hexagonal water to produce healthy

plants super fast. No "plastic" as the basic body of the **greenyGARDEN**, but biodegradable PLA.

**How did the idea come about to manufacture the **greenyGARDEN** and upcoming products via 3D printers?**

I wanted to get away from mass production in low-wage countries and produce back at home in small family businesses. Without long transport routes. This is possible with 3D printers in our neighborhood manufactory.

**Who can run a 3D printing manufactory?**

Anyone who is open to new things and enjoys making something themselves in order to become successful with it. In other words, has the attitude of an entrepreneur.

**Do you see the future in the technology around 3D printing?**

3D printing is the next industrial revolution and will greatly change our everyday working lives. We already want to let everyone participate in it today.

**Will there be more products around greeny+ TECHNOLOGY? What is planned for the future?**

We have created our first masterpiece with the **greenyGARDEN**. Further projects are already in development and will follow. Look forward to it!

**Do you have a green thumb yourself or will you also use the **greenyGARDEN** to fall back on?**

I grew up on a farm and therefore have experience with plants as well as their cultivation. But it is always a great pleasure to see how fantastically everything grows in the **greenyGARDEN**. You can literally see the plants feel good! And all without poisons and pesticides (which my father used to use).





# IN HARMONY WITH NATURE

We are particularly proud of a special highlight in **greenyGARDEN**: we use a Tesla coil.

No other plant growth system currently uses such an innovation.

The **greenyGARDEN** is the only one in the world to use this technology. This small, but mighty marvel, is based on the discoveries and research results of the ingenious scientist Nikola Tesla.

Thanks to further development work, the coil has been specially adapted to the needs of plants over the last 10 years.





# REAL HEALTH

The treated water improves the germination process and the plant growth as well as the quality and vitality of plants optimized in every respect.

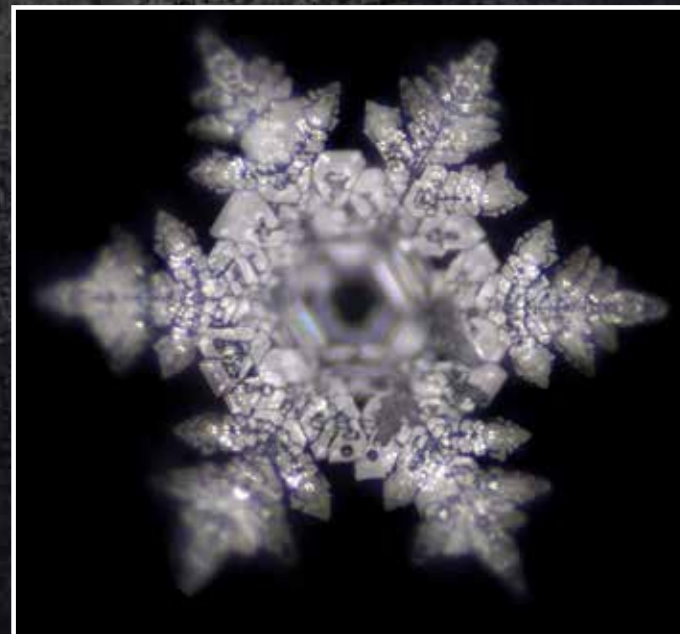
The main reason for these proven results? The Tesla coil uses frequencies, information and impulses as they occur in nature. This way the water is energetically purified and exclusively vital frequencies charged. Furthermore it becomes a stable hexagonal structure. Thanks to this snowflake and crystalline-like, stable structure, the water in **greenyGARDEN** is optimally available to cells and is rich in energy and oxygen.

In addition, hexagonal water significantly improves the cellular environment. Hexagonal water strengthens the vitality of all cells, improves detoxification and purification processes and gives our most important organelles, the mitochondria, more energy.

This portfolio strengthens the immune system and optimizes self-regulation and possible cell regeneration processes.

So this helps not only the plants, but also the people who feed on them.

Plants consist of more than 90% water. According to the famous Korean water researcher Prof. Jhon the quality of water has a greater influence on our health than any other food and any other substance.



Only visible under the microscope - an original image of hexagonal water.





# THE STRONGEST ANTIOXIDANT in the universe



**Peer Zebergs**

Cell Energy Center/Health Analyst for "QS24" and scientific consultant for greeny+ TECHNOLOGY

**Peer, thank you very much for your time. Can you explain to us from the beginning, what exactly hexagonal water is?**

Since 99% of all molecules in the human body are water molecules, the quality of our water is immensely important.

They are involved in 98% of all metabolic processes and define the quality of the cellular environment and all body fluids. Hexagonally structured water is therefore the "super molecule" for our health and also that of plants. The molecular shape of hexagonal water is hexagonal. It resembles honeycombs and has a crystalline structure. One speaks thereby also of "crystal water." In addition, free delocalized electrons. These make hexagonal water the strongest antioxidant in the entire universe. Dr. Patrick Flanagan calls the phenomenon "active Hydrogen."

**Why is hexagonal water so important for the human body? To what extent does it help the organism to stay healthy?**

The basic prerequisite for any optimization of the health situation is the quality of the cellular environment, both intracellular and extracellular.

Hexagonal water structures play the absolute role. Due to the hexagonality in the water the flow rate in the blood and the viscosity is optimized and thus eliminates one of the main causes for high blood pressure.

Another aspect is high cholesterol levels. These are usually caused when collagen no longer functions at 100%, becomes inelastic and cracks form in the walls of veins and arteries.

In order to repair these, the body secretes more cholesterol. The result is plaque formation. Hexagonal water as a hydrate shell restores the elastic properties of the collagen and the problems can be eliminated.

In addition, it has now been scientifically confirmed that water in the environment of of cancerous and diabetic cells (beta cells of of diabetics) is less and less structured, i.e. it is not hexagonally structured. Cancer and diabetes have something in common: the destruction of the water structure at the cellular level. Cancer in particular is characterized by cells that multiply uncontrollably. Water, especially the water column in the center of the DNA is an integral part of the DNA. If the DNA molecules are surrounded by hexagonally structured hydrate envelopes, they are strongly protected against mutations and malfunctions.

The most important genes are activated and, if necessary, by means of RNA correctly read/copied. In this respect one can speak of the primacy of hexagonal water over the DNA. The same applies to the function and effect of our vital hormones and enzymes. In order to be fully effective, they require a second water layer, called the Y layer, of at least 70% hexagonally structured water.

**What is the significance of the so-called cellular environment?**

The cellular milieu is of central importance and especially the intracellular cytoplasm. To be healthy and vital, this must be both alkaline and rich in oxygen. Hexagonal water structures are strongly negatively charged and buffer the pH value into the basic range by removing the positively charged ions, which are responsible for acidification ( $H_3O^+$  hydronium ions). In addition, hexagonal water molecules contain approx. 44% more oxygen. Even the two-time Nobel prize winner for medicine Dr. Otto Warburg is convinced: "In an alkaline, cell environment, no disease can exist. Not even cancer."

**That sounds really exciting! Can you also tell us what advantages hexagonal water has for the greenyGARDEN and the plants growing in it?**

Yes, of course! As for all living organisms, hexagonally structured water is of enormous importance. Due to the crystalline-like form as well as the biochemical formula  $H_3O_2$ , hexagonal water is more oxygenated than normal water/  $H_2O$ . This leads to a significant increase in the liquid oxygen uptake of all plants of all plants through the roots.

According to Dr. Gerald Pollack these crystalline-like structures even mean a fourth aggregate state of water, which no other molecule in the universe has. Because of structures, more than 400,000 information channels ultimately storages crystal, which leads to the fact that all the most important life information can be stored and passed on to the plants.

The growth in all life cycles of the plant can thus be optimally supported. Fruits are formed more quickly and with higher yields. I was therefore very pleased that there is now a planting system that takes all these aspects into account and thus makes a great contribution to human health.

**Incredible. Thank you, Peer!**



# NUTRIENTS IN COMPARISON

## Supermarket and greenyGARDEN

Our commercially available seeds have changed a lot over the last decades. The nutrient content in our vegetables differs vastly from that of a fruit grown from the original seed.

The following mineral values in fruits and vegetables have declined rapidly in the years from 1940 to 1991.

Copper	(Cu)	-	76 %
Calcium	(Ca)	-	46 %
Iron	(Fe)	-	27 %
Magnesium	(Mg)	-	24 %
Potassium	(K)	-	16 %

It is not only hybrid seeds that are responsible for the fact that our vegetables have long since ceased to be the source of nutrients that they once were. This is due to the following factors, among others:

### Immature harvest

The vital substance content here is up to 75% lower than at full maturity.

### Depleted soils

Destruction of soil fertility through monocultures, intensive chemical fertilization and pesticides.

### Storage and transport

Long transport routes and storage in cold storage.

### Fumigation

chemical processes preserve the fruit and to artificially ripen unripe fruit.

### Early chopping

Ready-cut vegetables and salads quickly lose nutrients.

Foods that appear fresh at first glance in the refrigerated counter are far from healthy, such as packaged lettuce. This is soaked in chlorinated water before it is packaged.

In the **greenyGARDEN** however, fresh and healthy vegetables are grown, completely free of pesticides. Everything ends up directly on the plate, without the loss of important nutrients.



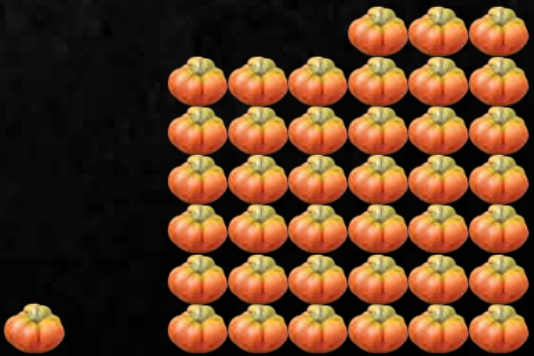
### For comparison:

**33 Tomatoes** from the **supermarket** contain the same amount of **Vitamin B** as **one tomato** from the **greenyGARDEN**.

**23 Tomatoes** from the **supermarket** contain the same amount of **Vitamin C** as **one tomato** from the **greenyGARDEN**.

greenyGARDEN

supermarket





# NUTRIENTS IN COMPARISON

## Supermarket and greenyGARDEN

Max Manzenreiter is responsible for food development at **greenyGARDEN** and has compiled a comparison table with fruits and vegetables from the supermarket and **greenyGARDEN**.

Left supermarket, right **greenyGARDEN**

Per 100g	Vitamin C		Vitamin B6		Pro Vitamin A	
Bell pepper	140 mg	828 mg	450 µg	3735 µg	2125 µg	8354 µg
Zucchini	16 mg	94 mg	89 µg	739 µg	350 µg	1376 µg
Kohlrabi	64 mg	378 mg	120 µg	996 µg	33 µg	129 µg
Cucumber	8 mg	47 mg	35 µg	290 µg	66 µg	259 µg
Celery	3 mg	17 mg	73 µg	605 µg	3248 µg	12764 µg
Tomato <sup>1</sup>	1,5 mg	35 mg	6,25 µg	207 µg	32,25 µg	495 µg
Lettuce	13 mg	76 mg	55 µg	456 µg	1437 µg	5647 µg
Spinach	52 mg	308 mg	220 µg	1826 µg	4687 µg	18419 µg
Cabbage	105 mg	621 mg	250 µg	2075 µg	5169 µg	20314 µg
Eggplant	5 mg	30 mg	68 µg	564 µg	43 µg	168 µg
Pumpkin	9 mg	53 mg	49 µg	406 µg	436 µg	1713 µg
Strawberries	55 mg	326 mg	6 µg	50 µg	15 µg	58 µg

Average nutrient increase

+492%

+730%

+293%

<sup>1</sup> Tomatoes found in stores are harvested unripe. As a result nutrient content is significantly lower than that of homegrown, ripe harvested tomatoes.



# THE IMPORTANCE OF FRESH FOOD



Dipl. oec. troph. **Marion Kurschatke**

Freshness, a term that is used in all kinds of advertising because we associate it with taste and above all health - food full of nutrients that are good for us.

But what are the characteristics of fresh food and where do we find it?

On the one hand, there is the visual appearance, which makes us assume that the vegetables we buy in the supermarket are fresh.

To create this impression wholesalers and retailers have a few tricks up their sleeves. These include, for example, fumigation, which allows green unripe vegetables to ripen. The right lighting of the sales areas makes vegetables look as if they have been painted. This has little to do with freshness.

Plants grow up, ripen and form nutrients such as vitamins and minerals. In the final stage of ripeness, the secondary plant substances

such as carotenoids, bioflavonoids, polyphenols and antioxidants are formed. Substances that are of great importance for our health. In addition to an immense loss of nutrients within the last decades due to depleted soils, unripe harvesting, storage and transport, it is above all these substances that have been enormously reduced by industrial agriculture and trade.

But this is hardly possible otherwise, at least for food from the supermarket. Because freshly harvested food from all over the world would quickly no longer be saleable. In addition, the trade determines the varieties grown, as monotonous and pleasing to look at - nutrients play no role.

The alternative is to grow our own food again, as many generations have done before. This way we can cultivate old varieties and harvest fresh and ripe. This means we are completely independent and being able to use fresh, nutritious fruit and vegetables at any time.

This is food that really deserves the term "fresh" and can fulfill the task. Food that is meant to not only satiate us, but to nourish us.

These freshly harvested foods also have a particularly high number of biophotons (light energy). With a so-called biophoton device light intensity of food can be measured. This allows conclusions to be drawn about the quality and freshness of foodstuffs. According to biophysicist Fritz Popp of the Institute for Biophysics in Neuss in Germany,

this principle has now been tested on over 200 different foods.

In addition, you can recognize fresh nutrient-rich foods as they smell particularly aromatic. As soon as we bite into it, we experience a very special taste explosion. This intense pleasurable smell and the subsequent taste experience already leads to a certain saturation through the satisfaction of our sensory organs.

Here, too, the rule is: more quality instead of quantity!





# GREEN THUMB INCLUDED

## Automated care

The **greenyGARDEN** takes over for you the time-consuming care of your plants automatically - starting with the raising of the seeds in the growing-chamber, all the way to the fully grown plant.

The supply of water and nutrients, the right lighting from the color spectrum, to the light duration and also the air flow for healthy and resistant plants are adapted to the needs of the plants and are fully automatic.

So you can watch your plants grow, without any previous knowledge and with little time effort.



Water-Sensor

Nutrient-Sensor

pH-Sensor

## LED

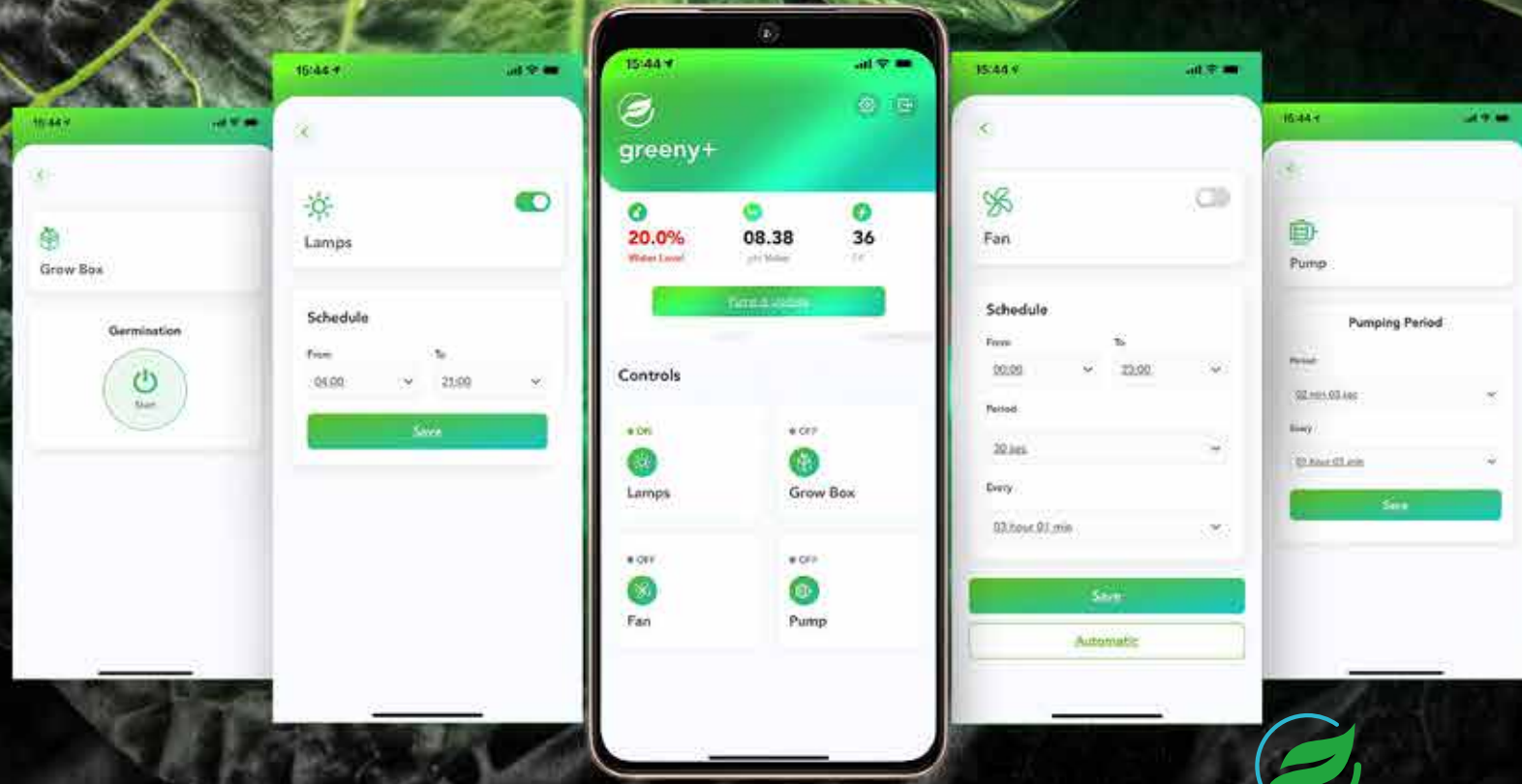
If you do not want to use an additional app you can also use the LED light panel to see the current status of your **greenyGARDEN**.

Thanks to the built-in measurement sensors you will see if you need to add nutrients, replenish the water or adjust the pH.



## App Control

Thanks to the Green Thumb App, you know exactly which and how many nutrients your plants need at different stages of growth and when the water is running low. You can adjust the control of light, water and fans or simply activate the automatic mode.





# HERITAGE SEED

Heritage comes from the English and means "heritage" or "inherited property." When the term is used in reference to seed, one speaks of original seed. This seed is original, unmodified seed, which has usually been around for more than 50 years, over generations of plants.

A great advantage of this original, old seed is that it continues to multiply through the so-called open pollination. This means that the pollination is still done the natural way with help of bees, birds or wind, and the resulting plants are true to type.

In contrast, there is the so-called hybrid seed. These are industrially bred, and pollination is carried out in a controlled manner. Through this procedure results in the great advantage that the "best" and most popular characteristics of a fruit - same appearance, high yields, short life cycle - can be crossed with each other. Crossing the lines not only results in hybrid seed, but also a disposable plant.

Through the controlled intervention or these very lines, an altered modified, mostly unstable genetic material. The plant is therefore no longer true to its variety.

Reproduction is no longer possible in the natural way. Consequently, the life cycle is usually limited to one generation of plant.

From an economic point of view, this has the advantage that farmers are becoming more dependent on the agricultural industry. The same seeds used every year, with the same fruits and yields from the previous year.

However, biodiversity suffers considerably. Long-standing varieties are now "simply" bred away. Shapes, colors and tastes, which one knew from childhood and grandma's garden are hardly to be found any more.

To counteract this process, greeny+ TECHNOLOGY has decided to also offer pure seeds for cultivation in the **greenyGARDEN**.

This not only contributes to the protection of „old“ varieties and biodiversity, but allows one to become more independent from industrial agriculture.

Original seed of bitter melons from Kashmir.



The sensational solar filter **greenyWATER** is a revolution in modern water filtration. The first water filter that not only chemically cleans the water, but also deletes the stored information, makes the water hexagonal and then enriches it with biophotons.

## How it works:

The water to be filtered is passed through the filter cartridge without pressure and only by gravity, just like in nature. It is protected from UV light and easy to replace. This is where chemical and mechanical cleaning takes place. The water then runs over the biophotonic mineral glass ball and is charged with light energy. The water on the spherical surface always runs on different paths, comparable to a mountain stream in which the water looks for its way between round stones.

The human being is a being of light and consists mainly of water. The latest research results have shown that light is generated when cells divide. Water enriched with light energy is crowned spring water and very healthy. It supports many metabolic processes in the body and is our most important elixir of life.

The **greenyWATER** filter is ideal for cleaning and processing the water for the **greenyGARDEN** as well as for producing healthy, energetic drinking water. It can be operated directly on the **greenyGARDEN** or separately, e.g. in the kitchen on the wall above the sink (for a surcharge). The supplied hand-blown glass carafe is ideal for storing energetic water.

### 1. Activated carbon layer:

Removes chlorine, pesticides, organic compounds and gives the water a good taste.

### 2. Silica layer:

Softens the water and has an antibacterial function.

### 3. Mineral sand layer:

Provides a large amount of minerals and increases dissolved oxygen with absorption function. Through the swirling of the water, the oxygen content is increased in a natural way (like in a stream) and energized.

### 4. Zeolite layer:

Zeolite has two filtering effects:

- Physical filtering effect: it removes the finest particles (up to 4 microns).
- Chemical filtering effect: Due to its excellent capacity to exchange cations, heavy metals such as lead, copper, cadmium, tin, cobalt, chromium, manganese, mercury, etc. as well as ammonia and petrochemical substances are removed.

### 5. Alkaline and antibacterial balls:

Raise the pH level and have strong antibacterial functions. The four alkaline elements potassium, calcium, sodium and Magnesium are added evenly to the water.

The service life of the filter is about 5000 liters/6~12 months.

- Activated carbon layer 1
- Silica layer 2
- Mineral sand layer 3
- Zeolite layer 4
- Alkaline and antibacterial balls 5

biophotonic mineral glass ball

hand-blown glass carafe





# HEARTBEAT OF NATURE



**Arthur Tränkle**  
Scientist and author

Every plant in the **greenyGARDEN** is grown by an irrigation system that is perfectly in harmony with selected nutrients. Now, through alternative healing methods, we know how influential living water has on the metabolic processes of organisms.

The more energetic the water, the more positively a seed reacts in the germination phase. Consequently living water also promotes natural growth and motivates the plant to develop vital and nutrient-rich fruits.

A permanently high water quality from the original source in **greenyGARDEN** is achieved by using a Tesla frequency system, a device developed by the vibration researcher Arthur Tränkle.

As a world-exclusive addition the innovative device in the **greenyGARDEN** raises the quality of ordinary tap water to the level of clean and life energy enriched spring and glacier water.

The purifying transformation process is achieved with the help of high-frequency excited electromagnetic fields, which the integrated Tesla coil emits. Due to the permanent and gentle irradiation, the water molecules permanently arrange themselves into hexagonal structures.

In one of his books, Arthur Tränkle shows the immense importance of hexagonal water, which should basically remain in this "happy" original state.

For understanding he explains in more detail: "Water is the substance from which all life comes from.

For example by environmental influences water is also harmful to life. The elementary substance always seeks the hexagonal structure by which it naturally and at the same time physically stabilizes itself."

Since Viktor Schauberger and Masaru Emoto, we know that in naturally meandering waters this state is created by constant swirling. "If, on the other hand, the hexagonal ring of molecules is torn apart and destroyed," says Tränkle, "the debris desperately searches for the missing parts in their environment.

When this happens in the body or a plant, the water fragments tear the missing electron bridges from the tissue instead of giving the organism good and healthy water. This tearing out is called by medicine oxidative stress, which leads to the destruction and degeneration of cells."

In living water, on the other hand, this destructive process informs the organism at the cellular level with the necessary "data".

Therefore, if an irradiation in medical terms with the Tesla coil influences the water condition positively, the vegetation grows in the **greenyGARDEN** benefits from the physically initiated

microbiological processes. Furthermore, the controlled, high-frequency wave movement harmonizes the immediate environment.

This realization results from applied research. Influences of controlled electrostatic and electromagnetic energy have a healing effect on all living organisms. A worldwide use device was constructed by Arthur Tränkle based on the principles of Nicola Tesla and researchers who have further developed the genius's devices.

With high-frequency therapy users achieved impressive successes in the 1930s in humans and animals. It is remarkable that about 500,000 devices in Germany were in use for therapeutic applications.

This revived high-frequency technology is used as a bonus in the **greenyGARDEN**, so that in addition to and beyond benefits to the plants there are also the benefit of the soothing heartbeat of nature.



# greenyAIR

## Effective air purification

greeny+ TECHNOLOGY stands for "green" technology and innovation. All products are designed with this in mind. This also applies to the **greenyGARDEN**, which is equipped with the revolutionary **greenyAIR**.

A photocatalytic layer on the outside of each **greenyGARDEN** creates a chemical reaction that ensures that viruses, bacteria, mold spores and even ultrafine dust are effectively destroyed. This process, which also occurs in nature, does not wear out and purifies the indoor air sustainably.

**greenyAIR** brings a multitude of advantages both for people and for plants. Every plant needs a balanced ratio of light, water, oxygen and nutrients. Since the process of photocatalysis takes place directly on the surface of the **greenyGARDEN**, the plants can absorb the resulting  $H_2O$  and  $CO_2$  directly and use them for healthy, fast growth.

In addition to the germ-free room climate, this improves the air quality many times over, reducing the risk of diseases such as asthma or bronchitis immensely.

### How does photocatalysis work?

Photocatalysis is a chemical reaction that takes place through the use of natural or artificial light. When organic substances such as bacteria, viruses, allergens or other pollutants hit the surfaces coated with **greenyAIR**. They are attracted to them.

Due to the impulse of the light, the applied photocatalyst particles split oxygen atoms and oxygen molecules. These react with the above-mentioned organic substances and decompose them by oxidation into  $CO_2$  and  $H_2O$ , among other things. The whole process is called photocatalysis.

Coating with **greenyAIR** is unique in the world and ensures fresh, clean air wherever the **greenyGARDEN** is installed.



# HIGHLIGHTS



## Fresh

The **greenyGARDEN** provides you with fresh and ripe vegetables, salads, herbs and even microgreens all year round. You eat healthier thanks to the full nutritional content and you don't use pesticides. Food waste is also significantly reduced because you only harvest what you need.



## Tangible

Finally know again what's inside! With the **greenyGARDEN** you can provide for yourself and your family and see how the seeds grow into strong and healthy plants.



## Space

Due to its slim design, the **greenyGARDEN** can be used in a small space, both indoors and outdoors. One **greenyGARDEN** replaces about 60m<sup>2</sup> of arable land.



## Simply

With the **greenyGARDEN**, green thumb is included - automatic watering and lighting, no digging up soil or pulling weeds. Little time required and high yield!



## Sustainability

No need to use pesticides when growing in the **greenyGARDEN**. The tower is made of biodegradable plastic. Besides saving packaging waste, you significantly reduce your global water consumption as well as CO<sub>2</sub> and particulate matter.



## greenyWATER

The sensational **greenyWATER** solar filter is a revolution in modern water filtration. The first water filter that not only cleans the water chemically, but also deletes the stored information, makes the water hexagonal and then enriches it with biophotons. For you and your plants. Saves you the hassle of carrying and the high cost of bottled water.



## greenyAir

Thanks to **greenyAIR** the **greenyGARDEN** even cleans your indoor air and frees it from viruses, spores or fine dust. You and your plants benefit from this.



## Recommendation

You love your **greenyGARDEN** and tell your friends about it? That is the best and most honest advertising for us. We thank you with 195 € for every **greenyGARDEN** that finds a new home.



## Price

The **greenyGARDEN** is an all-rounder that does not exist a second time on the market. It combines a plant tower with high yield, water filter and air purifier in one system. This means that you save money every month, even at the time of purchase, compared to buying it separately. In addition, the **greenyGARDEN** can be financed for only 45.20 € per month and is thus affordable for everyone.





# THE GREENYGARDEN FOOTPRINT



Compared to conventional agriculture, growing vegetables with the **greenyGARDEN** saves about **95%** water.

The **greenyGARDEN** replaces about **60 m<sup>2</sup> of arable land**.

With up to **6 times** faster growth you can have **kilograms** of lettuces and herbs as well as **hundreds** of tomatoes, zucchini or cucumbers!

So you can provide yourself and your family with fresh and healthy vegetables!



With a **greenyGARDEN** you can save more than **100 kg CO<sub>2</sub>e\*** because factors like cultivation area, long transport routes, cold chains, packaging and waste recycling when growing your own are eliminated. Your ecological footprint is minimized significantly.

In Germany, around **86 kg** (per person, per year) of food is thrown away! With the **greenyGARDEN** this amount is significantly reduced, since only what is really needed is harvested. Everything else ripens further.



\*The unit of measurement CO<sub>2</sub>e is an attempt to make the effect of all greenhouse gases on the climate comparable. The different greenhouse gases contribute to different degrees. One metric ton of methane, for example, is equivalent to about 25 metric tons of CO<sub>2</sub> equivalents (CO<sub>2</sub>e). For this reason, the carbon footprint of food is always given in CO<sub>2</sub>e.



# WHAT AM I DOING FOR MYSELF AND MY ENVIRONMENT WITH THE greenyGARDEN

The **greenyGARDEN** changed my life, my environment and the world. I have fresh all year round vegetables, lettuces, herbs and berries with full nutritional content directly in the kitchen. Thus myself, my family and friends eat healthier.

With the **greenyGARDEN** I automatically have a "green thumb" - a gardener who helps me at any time, without dirt and with hardly any work.

I also save money on shopping, since I no longer have artificially ripened vegetable products overpriced, in storage and transported over long distances. Thanks to these savings, I quickly have the purchase price of my **greenyGARDEN** back.

I save the environment, because I save packaging waste. What a relief to no longer have these mountains of packaging waste! I often had rotten fruit and vegetables in the refrigerator - that

is now fortunately over: Because I harvest directly from the **greenyGARDEN** and prepare them freshly.

In addition the **greenyGARDEN** is made from plastic-free compostable bio-filament. So I don't deposit any more plastic waste into nature. I save up to 95% water compared to growing it in my own garden.

I minimize my environmental footprint because I eat more sustainably and conserve the resources of our earth's resources.

For me there are 3 arguments for the **greenyGARDEN**: Health, sustainability and savings!

**Martina Hirschmeier**,  
presenter and filmmaker with a  
green heart



# FRUIT & VEGETABLES SIGNIFICANTLY MORE EXPENSIVE

A price increase for lettuce and tomatoes of almost 40 percent from 2020 to 2021 illustrates the extent of this. The reason: higher fuel costs, environmental regulations because of damage caused by industrial agriculture, and water and land consumption.

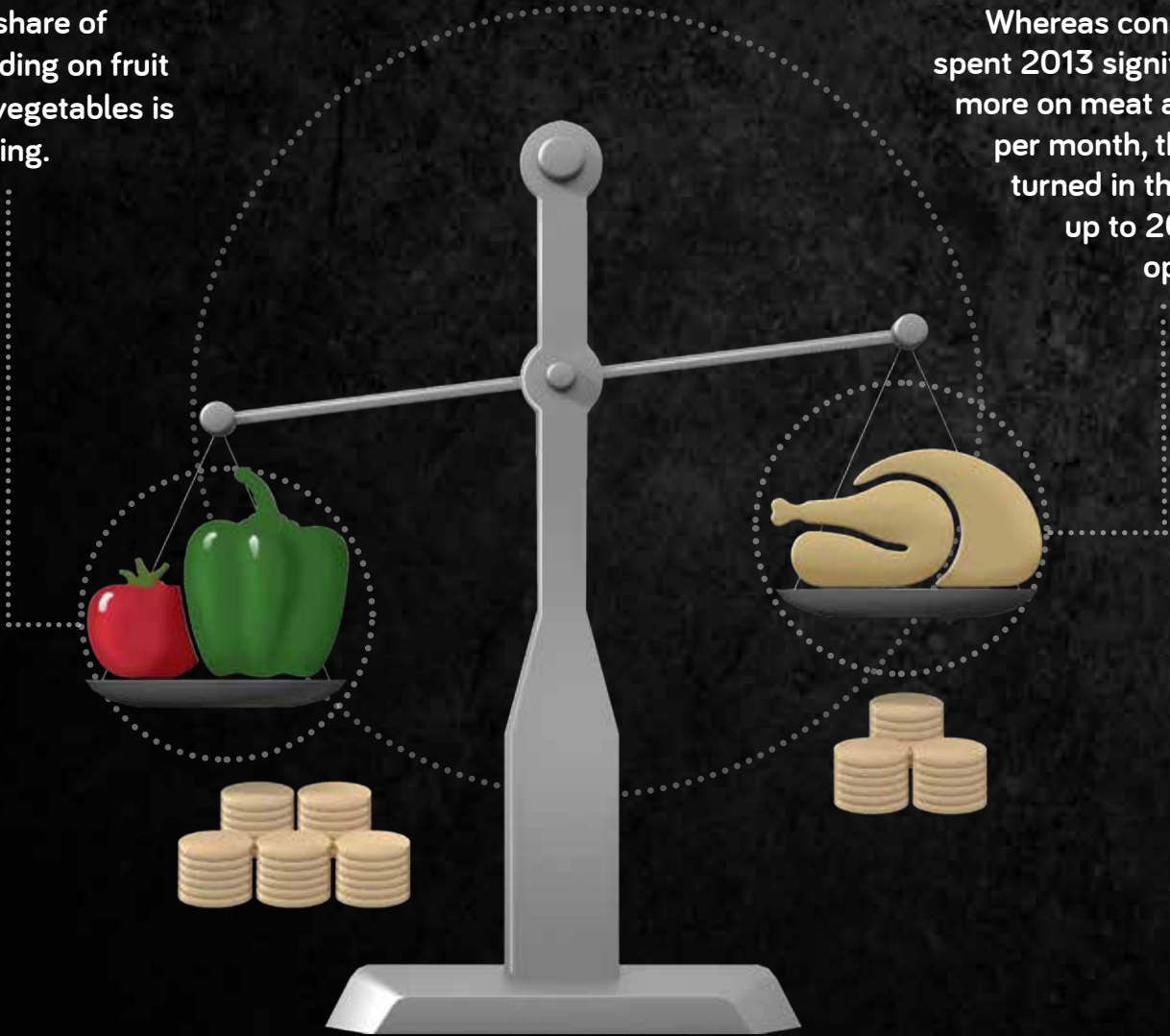
At the same time, there is a growing awareness of healthy nutrition and sustainable use of our planet. As a result, the proportion of plant-based diets is increasing from year to year.

### back to the roots

This trend is reinforced by the desire to return to regional and chemical-free foods.

The share of spending on fruit and vegetables is growing.

Whereas consumers spent 2013 significantly more on meat and fish per month, the ratio turned in the years up to 2018 the opposite.



## Expenditures per month for two people

	Conventional	Organic	greenyGARDEN
Fruits & Vegies <sup>2</sup>	85.20 €	140.58 €	19.16 €
Water <sup>3</sup>	52.50 €	225.00 €	1.00 €
Total	137.70 €	365.58 €	20.16 €

<sup>2</sup>Source: Destatis, expenditure by private households on food in 2018, 2 people, € 71 for fruit and vegetables plus 20% price increase = € 85.20. Organic vegetables cost around 65% more on average = € 140.58.

<sup>3</sup>Conventionally, on average 35 cents / liter of bottled water x 2.5 liters x 2 people x 30 days = € 52.50

Biologically, on average 150 cents / liter of bottled water x 2.5 liters x 2 people x 30 days = € 225.00

<sup>4</sup>Electricity costs depending on the tariff. Average consumption (1/2 year with lighting, 1/2 year without lighting) of 60 Kwh / month x 31.89 cents = 19.13 €. Water consumption of approx. 17L per month. 17L x 0.2 cents = 3.4 cents.

<sup>1</sup>Cf. Jahberg, Heike: Prices are exploding: Fruit and vegetables on the way to luxury goods, in: Der Tagesspiegel, 2021, <https://plus.tagesspiegel.de/wirtschaft/die-preise-explodieren-obst-und-gemuese-will-become-luxusware-259168.html> / (accessed on November 12, 2021).



# THE PRICE COMPARISON

Assuming you replace 70% of your needs for fruits and vegetables with your own cultivation in the **greenyGARDEN**, so you still buy 30% of your fruits and vegetables in the supermarket or organic food store, you save significantly:

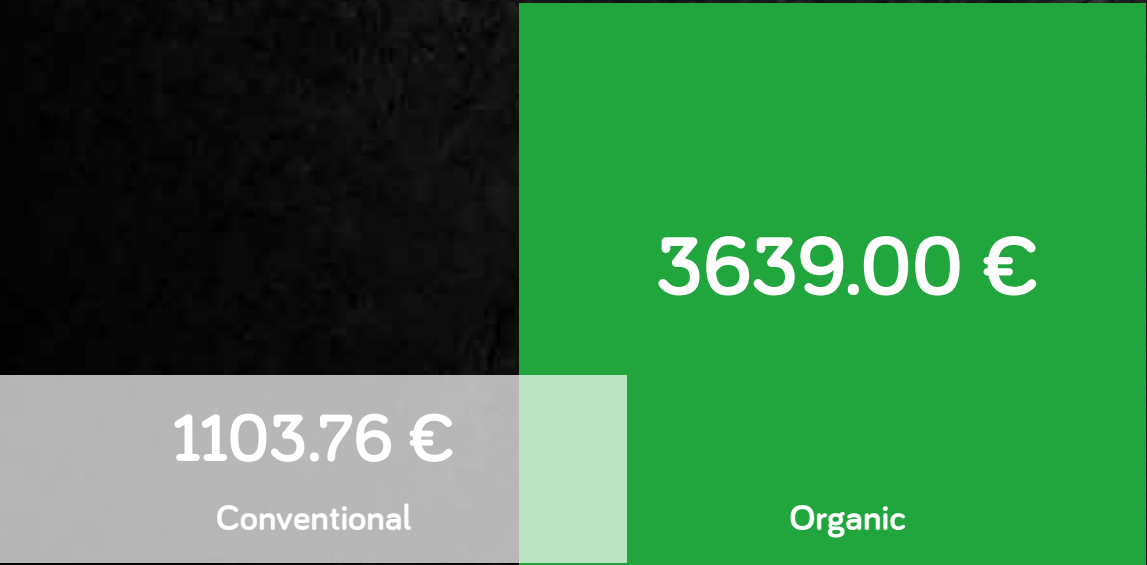
## Savings per month

Conventional	Organic
91.98 €	303.25 €
46.78 €	258.05 €

With financing of the greenyGARDEN for 45.20€<sup>1</sup> per month

Additionally in the **greenyGARDEN** can grow microgreens which are very expensive.

## Savings per year



## Acquisition costs

Other planting system with comparable yield <sup>2</sup>	approx. 2892.00€
Air filter	approx. 1026.00€
Water filter incl. chalk filter, mineralization and energization	approx. 2054.00 €
	<b>5972.00 €</b>
<b>greenyGARDEN</b>	1970.00 €
<b>Savings</b>	<b>4002.00 €</b>

<sup>1</sup>Financing for 45.20 € per month, term 48 months, interest rate 4%.

<sup>2</sup>There is currently no planting system that achieves a similar yield as the **greenyGARDEN**. In order to compare them with each other, we have used the number of towers needed for the same yield.  
Example: Tower X with 32 planting places, **greenyGARDEN** with 16 grow places + 36 planting places and 3 times the plant growth due to technology advantages.

Tower X costs 964 € x 3 = 2.892 €



# PRICE AND SCOPE OF DELIVERY

The **greenyGARDEN** is available as an indoor variant (with light and fans) or outdoor (without light and fans), perfectly adapted to your needs.

## Scope of delivery

### greenyGARDEN

- Optional: 2 grow lights and 3 fans
- 4 locking feet for balancing on preferred surface
- Grow drawer for raising young plants and microgreens including grow light
- Status display for water, nutrients, pH value
- greeny+ app for controlling the **greenyGARDEN**
- 36 planting stations
- Tesla coil to treat water hexagonally
- 1 x KDF water filter

### Starter kit included:

- 56 greenyPODs
- Demeter seeds (see right)
- 20 stainless steel planting rods 17 cm long
- 4 stainless steel planting rods 40 cm long
- 1kg nutrients for flowering plants
- 1 kg nutrients for non-flowering plants
- 1 pH reducer
- 20 covers for planting places
- 200 coconut wraps for planting the **greenyGARDEN**
- 200 greenyBASE plant inserts for raising seedlings
- 10 greenyMICRO coco inserts for microgreens
- Mini spirit level
- Operating tool to remove the pots
- Manual/video tutorial for assembly
- Video tutorial for the first grow

<sup>1</sup>The grow light, as well as the fans, can be added or removed as required and disassembled to use the **greenyGARDEN** indoor or outdoor.

## Seed for at least one year:

### Herbs

- Basil Genovese 1 x 20 grain
- Basil Thai 1 x 20 grain
- Basil Lemon 1 x 20 grain
- Marjoram 1 x 25 grain
- Oregano 1 x 25 grain
- Coriander 1 x 10 grain
- Chives 1 x 25 grain
- Dill 1 x 20 grain
- Chervil 1 x 10 grain
- Parsley 1 x 25 grain
- Lovage 1 x 10 grain
- Lemon balm 1 x 10 grain

### Vegetables & Fruits

- Chili mix - medium hot & colorful 1 x 5 grain
- Kohlrabi 1 x 5 grain
- Mini eggplant 1 x 5 grain
- Small fruit tomato (4 varieties) 1 x 5 grain
- Cucumber 1 x 5 grain
- Zucchini 1 x 3 grain
- Kale 1 x 10 grain
- Strawberries 1 x 20 grain

### Salads

- Pak choi 1 x 30 grain
- Mizuna 1 x 25 grain
- Classic mix 1 x 100 grain
- Rainbow mix 1 x 25 grain (spring cabbage, beetroot, spinach, garden cabbage, chard)



**greenyGARDEN**  
THE GARDENER OF YOUR LIFE

**greenyGARDEN Outdoor**  
**1,770.00 EUR**  
incl. VAT plus shipping costs

**greenyGARDEN Indoor**  
**1,970.00 EUR**  
incl. VAT plus shipping costs





# greenyGARDEN POWER SALAD

for 2 persons

Thanks to the **greenyGARDEN** everyone now has the possibility to cook fresh and healthy every day. So that inspiration is not lacking, food development manager Max Manzenreiter regularly develops delicious dishes with an international touch.

For the salad ...

from <b>greenyGARDEN</b>	Price Bio-Market
1,5 Bell pepper	1.25 €
1/4 Cucumber	0.59 €
3 Cherry tomatoes	0.32 €
1/2 Head of leaf lettuce	1.45 €

... additionally

100g Pineapple	0.32 €
50g Cashew nuts fried	0.96 €

**Costs:** 1.28 €

The Prise

Bio-Market:	6.97 €
<b>greenyGARDEN</b> incl. cultivation costs: <sup>1</sup>	4.10 €

**Savings:** 2.87 €

For the dressing ...

from <b>greenyGARDEN</b>	Price Bio-Market
1 Chilli	0.05 €
5g Basil	0.12 €

... additionally

25g Teriyaki sauce	0.80 €
10g Soy sauce	0.39 €
5g Rice vinegar	0.08 €
10g Maple syrup	0.21 €
10g Sesame oil	0.21 €
1/2 Clove garlic	0.03 €
1 Lime	0.19 €

1/2 tsp. turmeric

Salt

Pepper

**Costs:** 1.91 €

Cut all ingredients into bite-sized pieces. Roast the cashews until golden brown. For the dressing, first mix all the liquid ingredients in a bowl. Then chop the basil and chili and mix with dressing. To get the sweet-fruity taste, grate the lime peel (ATTENTION: rinse off hot beforehand) with a grater and add to the dressing with the juice.

Finally, mix the vegetables and lettuce with the dressing. If a calendula is blooming in the **greenyGARDEN**, it is an excellent choice to skillfully set off this delicious dish.

	Vitamin C		Vitamin B6		Pro Vitamin A	
Bell pepper 230g	322 mg	1906 mg	1035 µg	8590 µg	4887 µg	19205 µg
Cucumber 100g	8 mg	47 mg	35 µg	290 µg	66 µg	259 µg
Tomato <sup>1</sup> 30g	0.45 mg	10,96 mg	2.81 µg	93 µg	9.68 µg	149 µg
Lettuce 170g	22 mg	130,24 mg	93.5 µg	776 µg	2443 µg	9601 µg

Left supermarket, right **greenyGARDEN**

<sup>1</sup>13.19 € + 0.93 € cultivation cost = 4.12 €  
Cultivation cost: 20.16 € per month; 0.67 € per day for 400 g of vegetables;  
548 g of vegetables for the recipe. 548 g/400 g = 1.36 day; 1.36 x 0.683 € = 0.91 € cultivation cost



# greenyGARDEN INTERIOR VIEW

## 2) Online/Offline use

If you don't want to connect your **greenyGARDEN** with an app, you also have the possibility to control the **greenyGARDEN** "offline" easily.

## 3) Ultrasonic sensor

An ultrasonic sensor determines the exact water level without contact. This is indicated by the blue LED on the **greenyGARDEN** or in the **Green Thumb** app.

## 4) 24 volt water pump

Quiet running, powerful 24 volt brushless water pump. The pump is automatically controlled by the **Green Thumb** app or controlled by an analogue timer in the **greenyGARDEN** control center.

## 5) Pump strainer

The integrated strainer effectively prevents the water pump from becoming dirty.

## 6) Bayonet plug-in system

The **greenyGARDEN** is made of a BIO-Polymer based on lactic acid proteins (no plastic) and assembled without screws. An ingeniously simple bayonet-locking-system provides for the secure hold of all parts. The BIO-polymer is 100% compostable, and has no plasticizers or chemicals that are released into the water and thus to the plants.

## 7) Planting baskets

The planting baskets have a diameter of 5 cm. They are easy to insert and can be removed again without any problems. This makes any root trimming that may be necessary easy and pleasurable.

## 11) Filling hole for nutrients and water

The large opening under the growing-chamber allows manual control of the water tank at any time. This makes it easy to refill nutrients.

## 12) Nutrient sensor

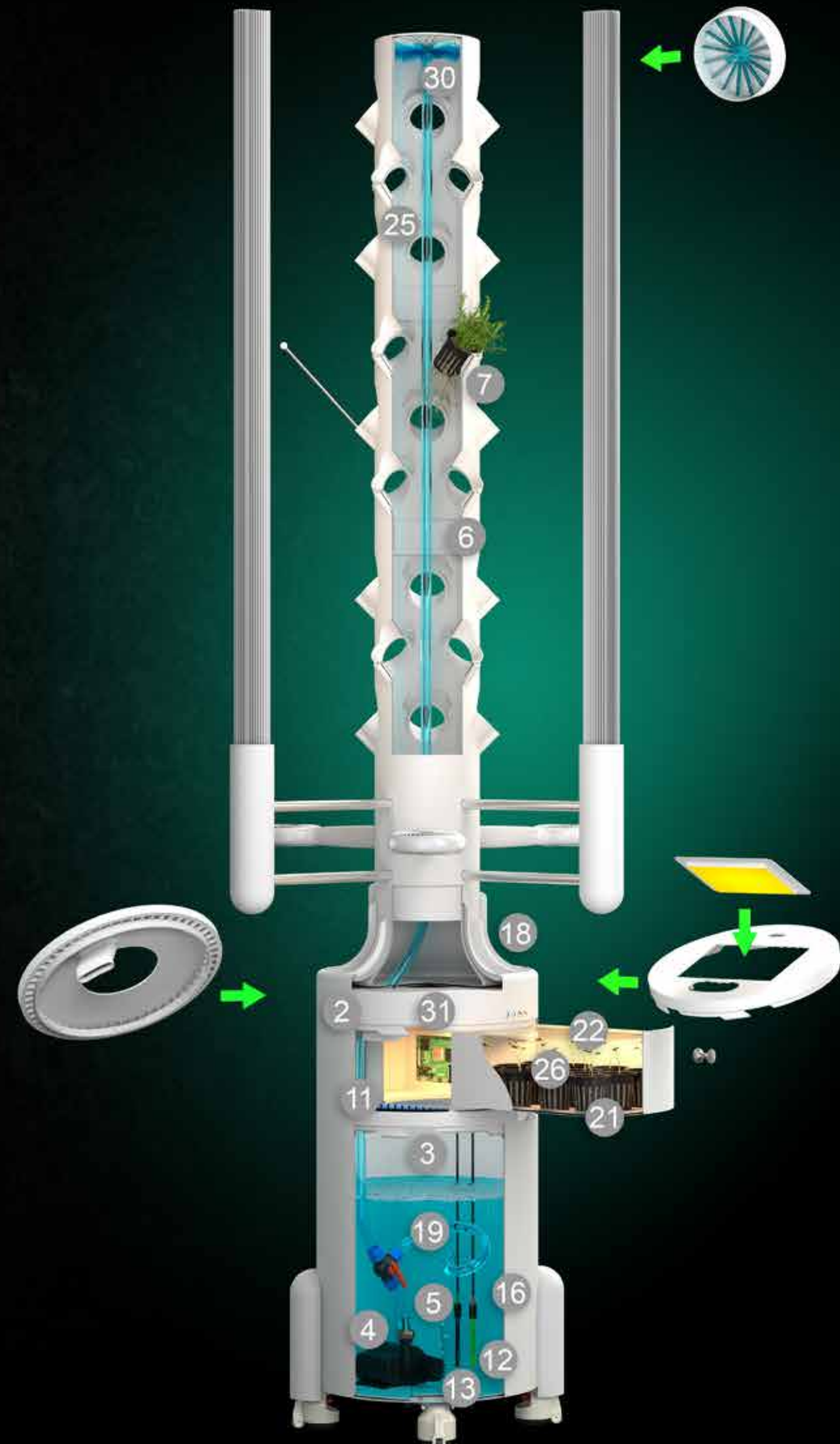
Nutrient sensor for accurate determination of the nutrient values in the water. An incorrect value is indicated by a yellow LED on the **greenyGARDEN**. The value can also be retrieved via the app.

## 13) pH value sensor

pH-value sensor to determine the pH-value of the water. The values can be called up at any time via the App. If the value is not optimal, this is also indicated by a red LED on the **greenyGARDEN**.

## 16) Tesla Frequency System

The Tesla frequency system is an absolute highlight in our **greenyGARDEN**. No other plant growth system currently uses such an innovation. **greeny+ TECHNOLOGY** has this technology exclusively in use worldwide. Due to the technology behind the Tesla coil we are able to provide water to the **greenyGARDEN** to a level of quality that is rare even in nature today. It is equivalent to the healthiest dextrorotatory primordial drinking water from evolution, comparable to pure, fresh springs or uncontaminated glaciers. As a result, the germination process and plant growth as well as plant quality and vitality are optimized in every respect. This therefore not only helps the plants, but also the people who feed on them.





# greenyGARDEN INSIDE VIEW

## 18) Increased surface area for water cooling.

The enlarged surface (double size) in the base of the column provides additional cooling of the water, as it is always completely shaded.

## 19) Water drain hose

An extra hose on the pump allows the water to be easily drained from the storage tank. This should be done every 4-6 months to ensure optimal water quality.

## 21) Plant baskets

There is room for 16 plant baskets in the growing-chamber

## 22) Plant growing height

Plants can be grown to a height of 10 cm in the growing-chamber.

## 25) Cascade system

With our patent-pending cascade system, water reaches every plant, no matter what stage of growth it is in or how big the roots are.

## 26) Coconut Fiber Substrate

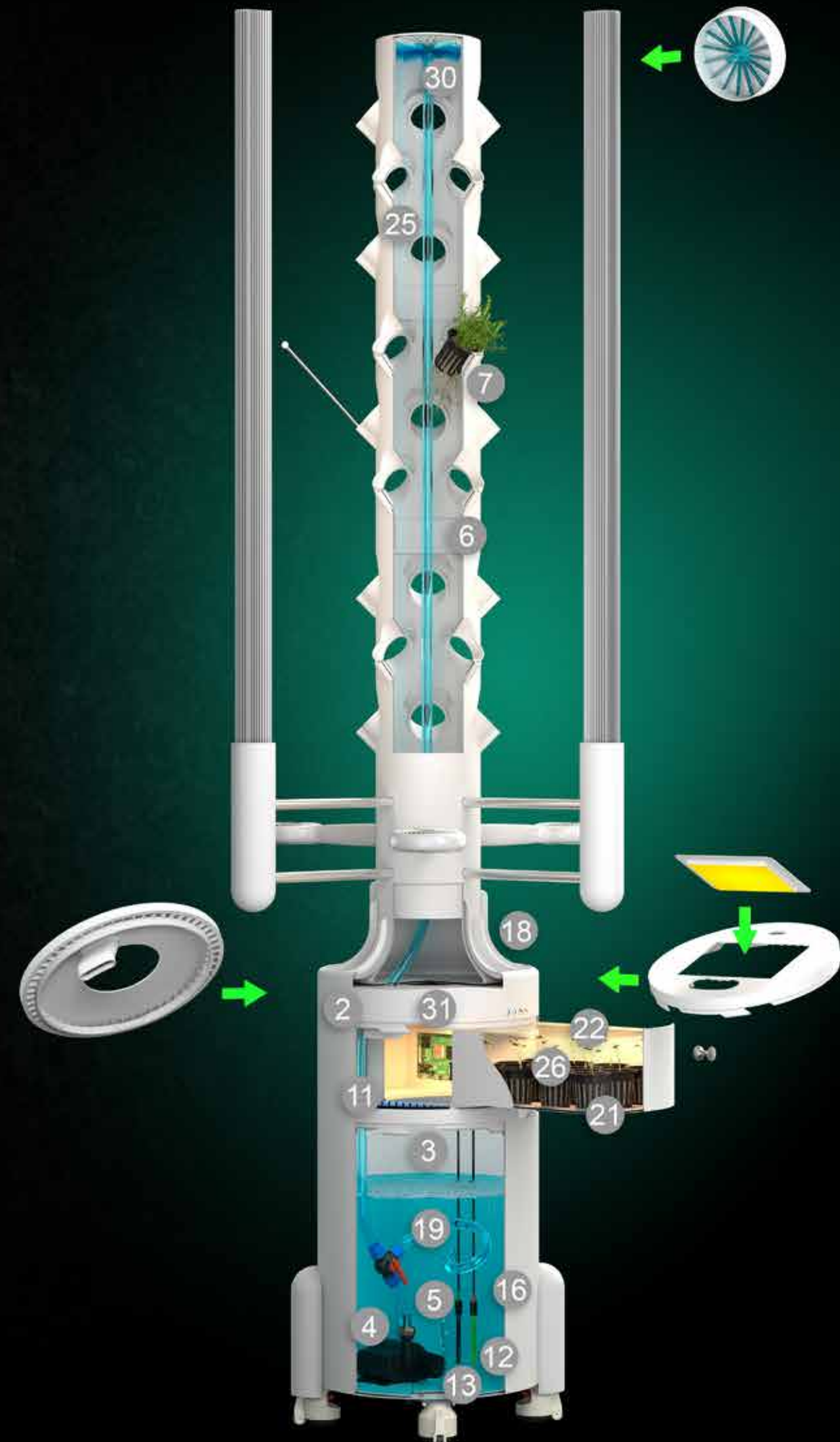
The plant baskets are supplied with specially developed coconut fiber wraps that are 100% biodegradable.

## 30) Ventury nozzle

The built-in ventury nozzle additionally enriches the water with oxygen during each pumping process. This accelerates natural healthy growth.

## 31) Electronic control center

The **greenyGARDEN** control center consists of an electronic control unit that performs all the important functions for the healthy growth of the plants automatically. This is connected via Bluetooth to the **Green Thumb** app. This allows all functions and states to be viewed and controlled directly from your mobile phone. The **Green Thumb** app which was specially developed for greeny+ TECHNOLOGY additionally ensures control that is specifically tailored to individual plants. Light, water control and all measuring probes converge here and reliably regulate the operation of the **greenyGARDEN**. Of course, the control also works without the app, for all those who do not want to be connected to the internet.





# greenyGARDEN EXTERIOR VIEW

## 1) LEDs

The LEDs provide a quick visual status report from the greenyGARDEN.

- Green light = everything ok.
- Blue light (permanently lit) = water level low, please refill.
- Blue light (flashing) = water tank empty, pump off.
- Yellow light = replenish nutrients.
- Red light = adjust pH.

## 8) Growth bars

The supplied sturdy stainless steel rods with a rubber head fit into the opening under each planting space. They allow for secure tethering of larger plants, such as tomatoes.

## 9) Cooling fins

The cooling fins at the base of the column provide cooling of the water by increasing the surface area water and thus allow better growth.

## 10) Rainproof air vents

The integrated rainproof air slots above the GROW drawer provide convection for and effective cooling of the LED light field above the drawer. This ensures at all times that the seedlings do not get too much heat.

## 14) greenyWATER

The sensational **greenyWATER** solar filter is a revolution in modern water filtration. The first water filter that not only cleans the water chemically, but also deletes the stored information, makes the water hexagonal and then enriches it with biophotons. For you and your plants. Saves you the hassle of carrying and the high cost of bottled water.

## 15) Height-adjustable and flexible roller feet

The four adjustable feet with casters allow the **greenyGARDEN** to be easily transported on casters and to align and fix it vertically at the installation site. This means that the **greenyGARDEN** is always secure, e.g. in summer on the terrace or balcony and indoors in winter.

## 17) Plexiglas cover with air slits

The plexiglass cover with integrated ventilation slits effectively prevents the penetration of pests, dust, bacteria and keeps the humidity in the GROW drawer at an optimum level of approx. 65%.

## 20) GROW drawer

The GROW drawer enables the controlled growing of seeds and cuttings up to a plant size of approx. 10 cm. In this way, all plants are raised under optimal conditions, which can then grow faster in the tower.

## 23) Opening for the growing rods

Below the planting places are the insertion holes for the growth rods.





# greenyGARDEN EXTERIOR VIEW

## 24) Star defuser

The Star defuser distributes the water evenly over the entire inside of the column and ensures an even, harmonious water flow. The HXA nozzles produce oxygen-enriched water. As a result, the plants absorb the water and nutrients better, which leads to faster and healthier growth.

## 27) Rain gutter

Rain gutter to collect rainwater and drips.

## 28) LED light field for GROW drawer

LED light field to illuminate the GROW drawer over a wide area. The light system is automatically controlled and with a light comparable to sunlight (6500 Kelvin) and up to 14000 lux strength, it generates a turbo growth of the seedlings.

## 29) Magnetic drawer lock

The drawer latch is equipped with a magnetic lock so that children cannot open the GROW drawer unattended.

## 32) Aeroponic growth column

The roots of the plants have enough space to spread out, as there is no disturbing central column. The large diameter of the column ensures that the roots are supplied with oxygen at every stage of growth. Since all roots can spread downwards beyond the planting baskets and they are never immersed in water, healthy drying is ensured, which effectively prevents mold and disease. Likewise, the roots can absorb oxygen much more easily during the dry phase (when no water is running) and can absorb oxygen much more easily.

## 33) Water tank

The water tank has a capacity of 17 liters. With this it is possible to go on vacation for 2 weeks without the greenyGARDEN running dry.

## 34) Alignment of the plants

Almost anything that grows above ground can be grown in the greenyGARDEN. The 45° angle of the planting basket inserts is ideal for orienting plants to the light. Due to the staggered arrangement one above the other, optimized growth in the smallest space is created. Thus, one greenyGARDEN replaces approx. 60m<sup>2</sup> of land. In the lower part of the column should be placed larger plants, such as melon, squash, zucchini. This will allow the plants to grow to the ground to bear fruit.

## 35) LED Grow light

The vertical LED grow lights mimic the natural daylight in the indoor area, which is needed for the balanced growth of the plants.

## 36) Fans

The fans provide the movement of the plants in the indoor area, which is produced by the wind outside, so that the plants grow strong and bugs do not settle in.





# TECHNICAL DATA



Height	2.05 m
Width	0.51 m
Depth	0.51 m
Footprint	0.25 m <sup>2</sup>
Light	2 x 50W (broad spectrum)
Pump	24V
Fans	3 x 24V
Power consumption	approx. 3 kWh / Day Indoor approx. 1 kWh / Day Outdoor
Tank	17l
Material	Bio-Polymer (PLA)
Plant Inserts	5 cm diameter
Slots	36
GROW Drawer	<ul style="list-style-type: none"><li>• <b>greenySTART</b> with space for 40 seedlings</li><li>• or space for 16 plant baskets</li><li>• or space for one <b>greenyMICRO</b> coconut fiber mat for growing microgreens</li></ul>
GROW Light	20W LED

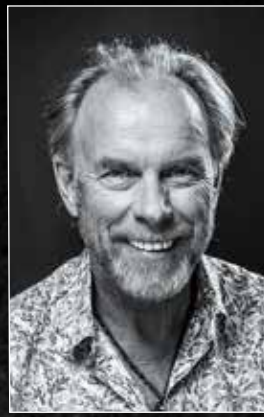


# THE TEAM

"If you want to go fast, then go alone.  
If you want to go far you must go  
together with others."

And so, from an initial 5 employees,  
grew within a very short team to 33  
creative and versatile heads.

1071 years of life experience from  
10 nations unites the passion for  
innovation and green technology!



**Uli Schwartau CEO**  
Germany



**Bettina Sabath CFO**  
Chief Financial Officer &  
Marketing, Germany



**Markus Grupp CEO**  
Chief Executive Officer  
Germany



**Boyan Minev**  
Sales Manager English/  
Spain, Bulgaria



**Ester Beltran Sanchez**  
Botaniker, Spain



**Felix Samuel  
Osadebamwen**  
Botaniker, Nigeria



**Maria Isabel Iglesias Candal**  
Manager accounting  
/Administration,  
Spain



**WenWen**  
Purchasing assistant,  
China



**Corinna Schwartau**  
Public relations, Germany



**Keanu Schwartau**  
Head of 3D printing, USA



**Christian Schwartau**  
Purchasing manager,  
Germany



**Nina Richter**  
Marketing assistant,  
Germany



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# FAQs greenyGARDEN

## WHAT ARE THE DIFFERENT VERSIONS OF THE greenyGARDEN?

There is one version of the **greenyGARDEN** as of 09/23/2021. It is available as an indoor version with light and fans or as an outdoor version without light and fans.

## HOW MUCH DOES A greenyGARDEN COST?

**greenyGARDEN** with light and fans costs €1,970.- gross.

**greenyGARDEN** without light and fans costs €1,770.- gross.

## WHAT ARE THE TECHNICAL DETAILS OF greenyGARDEN?

Empty weight: **11 kg**

Diameter: **51 cm**

Height: **2.05 m**

Power consumption: about **3 kWh/Day**.

## WHAT IS INCLUDED IN THE PURCHASE OF ONE greenyGARDEN?

### IS THERE EVERYTHING I NEED TO START GROWING?

The **greenyGARDEN** is supplied with a starter kit. This kit contains inorganic nutrients, pH reducers, plant baskets, different types of seeds, coconut fiber as growing medium, a KDF water filter, as well as growth rods for young plants. The quantity is calculated for one year of use.

## WHERE CAN I GET THE ACCESSORIES FOR greenyGARDEN?

When you order a **greenyGARDEN** the starter kit will be sent to your home or you pick your **greenyGARDEN** up in a neighborhood manufactory.

If you are a producer, greeny+ TECHNOLOGY will send you the Starter-Kits and the technical components of the **greenyGARDEN**, which you can pass on to customers who want to have a **greenyGARDEN** in their neighborhood.

## WHY DO I NEED THE LIGHT AND FAN PACKAGE?

The **greenyGARDEN** as an outdoor or indoor version.

In warmer regions you do not need the lights or the fans. For outdoor use the lights and fans must be removed. When used indoors, the LED grow lights mimic natural daylight. The fans cause the plants to become more vigorous and potential pest problems are prevented.

## WHERE CAN I GET THE SEEDS? DO I HAVE TO SUBSCRIBE?

You can order the seeds from our online store. You do not have to sign a subscription with us. When you order your **greenyGARDEN**, a starter kit is included, which contains seeds for one year.

## WHERE CAN I BUY FERTILIZER, PLANT BASKETS, SUPPORT MATERIAL IN THE FUTURE?

The online store offers a wide range of accessories (e.g. planting baskets, substrate, fertilizer, etc.) for the **greenyGARDEN**. However, we ask that larger quantities be ordered when needed and to refrain from small, short successive deliveries. In this way the "green agenda" can be pursued by us and with relatively few package shipments the environment can be protected.

In general, it is up to our customers and partners whether they purchase the seeds and accessories from us or from another supplier.

## DOES THE greenyGARDEN SHOW ME WHEN I CAN DO SOMETHING GOOD FOR MY PLANTS?

The **greenyGARDEN** has a status indicator with LEDs.

Green: No control of the values is necessary.

Yellow: The nutrients should be checked promptly.

Red: The pH value should be checked promptly.

Blue: The water level is low and should be checked promptly.

Flashing blue: The pump has automatically switched off to avoid a defect.

## WHAT GROWS IN greenyGARDEN?

In general, anything that grows above ground can be planted in the **greenyGARDEN**.

An exception are trees or large bushes due to their rooting. Lettuce, tomatoes, kohlrabi and much more grow sensationally. So there are no limits to your imagination!

## HOW DO I START AND PLANT greenyGARDEN FOR THE FIRST TIME?

Our recommendation is to start with low-maintenance plants - for example, lettuces or herbs.

From the selected seeds, place one seed in our **greenyBASE**. Then you wrap the the filled cube in our coconut fiber substrate and put everything in the small black plant pot. Afterwards the "finished" plant pots go into the GROW drawer. Depending on the type of plant leave the seeds to germinate for 3 to 5 days. As soon as you see sprouts with a leaf or two (approx. 1 to 2.5 cm large), the integrated LED light above the drawer is switched on. Now the **greenyGARDEN** will do the rest and after another 4 to 5 days you can transfer a seedling from the GROW drawer into the cascade system.



# FAQs greenyGARDEN

## WHAT TO CONSIDER FOR FLOWERING AND NON-FLOWERING PLANTS?

As soon as you grow a mixed culture in **greenyGARDEN** - i.e. you combine plants for grown for leafs and plants grown for fruits/flowers together - you should make certain compromises and adjust the nutrients accordingly.

## HOW LONG IS THE DELIVERY TIME FOR A **greenyGARDEN**?

Currently, we expect it to take three to four months.

## HOW IS THE TESLA COIL/SCALAR SHAFT DISPOSED OF WHEN IT IS NO LONGER NEEDED?

We take back the Tesla coil and adhere to the German disposal ordinance in this regard.

## HOW MANY PACKAGES WILL THE CUSTOMER RECEIVE WHEN DELIVERING A **greenyGARDEN**?

It is expected that two packages will be delivered to the customer. One package with the printed parts and a separate package with the pre-installed electronic part, the add-ons and the starter kit.

## ARE SHIPPING COSTS ALREADY INCLUDED IN THE PRICE?

We deliver free of shipping costs throughout Germany. Shipping costs to foreign countries are paid by the customer and depend on country and distance.

## WILL THE **greenyGARDEN** BE DELIVERED EUROPEWIDE?

The goal of greeny+ TECHNOLOGY is to keep delivery distances as short as possible and to produce where our products are used. But already now it is possible to order EU-wide. Delivery costs as well as prices depend on the respective country.

Germany/Austria/Switzerland/Spain: Shipping costs included.

Other EU countries: On request.

## IN WHICH CURRENCIES CAN I PAY?

We accept payments in EURO and Swiss Francs.

## ARE THERE SPECIAL OFFERS WITH A LARGER ORDER **greenyGARDEN**?

If necessary, we will be happy to arrange a personal meeting.

## WHAT TEMPERATURE SHOULD BE CONSIDERED WHEN POSITIONING ONE **greenyGARDEN**?

A "normal" room temperature is perfectly adequate. You should only make sure that the temperature does not fall below 20 degrees, as the growth of the plants could be affected.

## ARE THERE VIEWING APPOINTMENTS IN NATTHEIM - WHO IS MY LOCAL CONTACT?

Yes, this is no problem and gladly possible. To make an appointment please contact Saskia Kucher. E-mail address: [saskia.kucher@greenyplus.com](mailto:saskia.kucher@greenyplus.com)

## CAN MATERIAL FOR 2 TO 3 YEARS BE ORDERED IN ADVANCE WITH THE FIRST ORDER?

Every **greenyGARDEN** customer receives a starter kit with enough material (see below) for the first year. Repeat orders are possible at any time.

## WHICH SEEDS ARE INCLUDED IN THE STARTER KIT?

We offer you a mixed selection, which was put together by our team of professional botanists. You will find herbs such as basil, marjoram, oregano, coriander, dill and parsley. Vegetables and fruits such as red chili peppers, kohlrabi, small tomatoes, cucumbers, zucchini or strawberries. As well as various varieties of leaf lettuces, for example, lollo rosso, batavia, spinach, chard and more.

## WHAT TIME WARRANTY DOES **greeny+ TECHNOLOGY** GIVE ON **greenyGARDEN**?

Our warranty is structured as provided by law.

1 year commercial use

2 years private use

## WHAT ARE THE PAYMENT METHODS?

Payments are possible by credit card, PayPal or on account.

## WHAT KIND OF FERTILIZER IS INCLUDED IN THE STARTER KIT?

It is high quality german and swiss mineral nutrients.





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