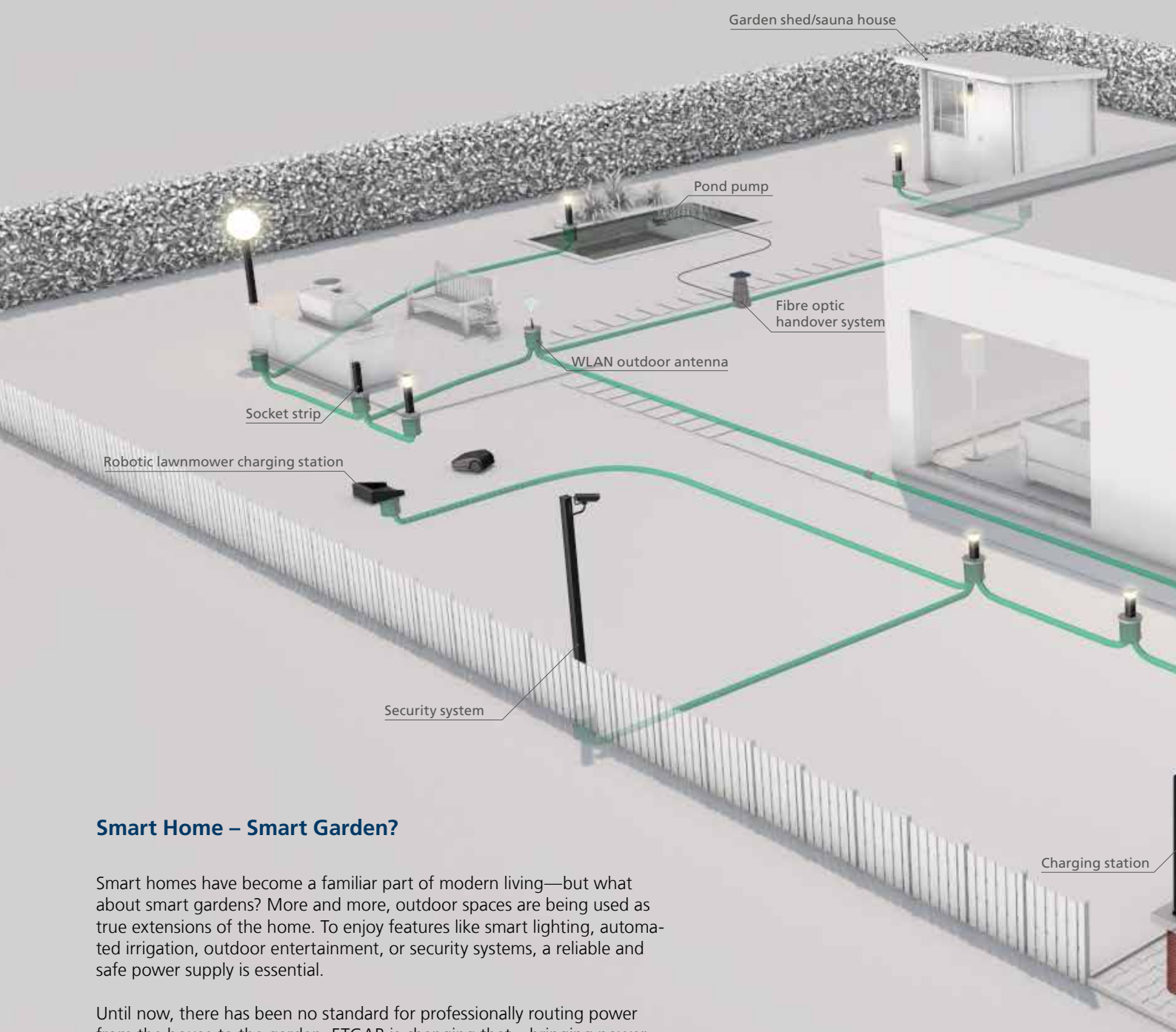




# Smart Home – Smart Garden?

ETGAR: Energy to Garden

# ENERGY TO GARDEN



## Smart Home – Smart Garden?

Smart homes have become a familiar part of modern living—but what about smart gardens? More and more, outdoor spaces are being used as true extensions of the home. To enjoy features like smart lighting, automated irrigation, outdoor entertainment, or security systems, a reliable and safe power supply is essential.

Until now, there has been no standard for professionally routing power from the house to the garden. ETGAR is changing that—bringing power to where it is needed, and making the smart garden a reality.





# Advantages



## Plan ahead - connect endlessly

By planning the placement of the building services outlet early, you will have the freedom to design your garden without restrictions. All options are open to you.



## Ready for what's yet to come

From sandbox to outdoor cinema to whirlpool—ETGAR's building services outlet keeps your garden ready for the future.



## Protect your building exterior

The building services outlet eliminates the need to drill holes in the floor slab or basement wall, which can damage the building's exterior.



## We are setting a new standard

Currently, no standardized method exists for reliably routing power cables out of a building and across the property.



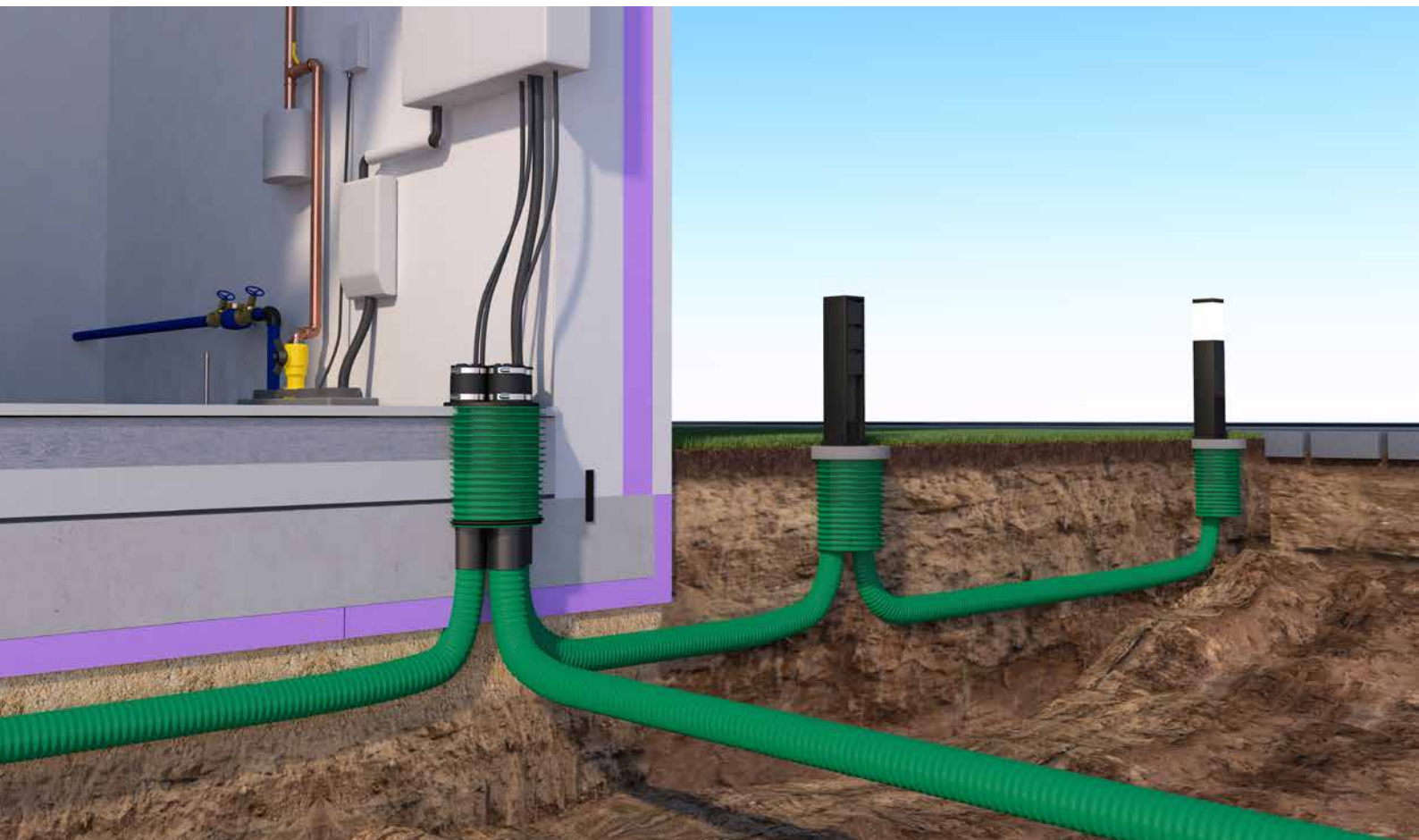
## Bring electricity flexibly to your garden

The polymer concrete base plate is weather-resistant, works like regular concrete, supports tensile loads up to 100 kg, and allows easy attachment of your devices with screws.



## Ready-to-connect system

The ETGAR foundation box offers the option of quick and uncomplicated installation and mounting of electrical end devices.





**Install ETGAR when you build your house  
and have the flexibility to design your garden later!**



## Connection possibilities



ETGAR foundation box



### Lighting

From bollard lights along the path to driveway spotlights and garden ambient lighting—light is a key design element that enhances not just the interior, but the exterior too.



### Pool/pond pump

A pool or pond adds atmosphere and refreshment to your property. With ETGAR, powering the water pump is simple and efficient.



### Socket strip

Whether it is a garden party with fairy lights and an electric grill, an outdoor movie night, or festive Christmas lights—they all require power. A socket strip offers ample connections.



### Charging station for robotic lawnmowers

Robotic lawnmowers are now as common in gardens as vacuum cleaners are in homes. ETGAR provides the perfect base for their charging station.



### Garage/garden house/garden sauna

Whether it is a garage without power, a garden shed, or a private outdoor sauna, a foundation box makes it easy to run electricity to an intermediate distributor—solving your power needs effortlessly.



### Security systems

Safety first! But how can you monitor large areas without mounting cameras directly on the house? With the flexible, expandable conduit system, you can easily cover the entire property.



### Numerous other end devices

The connection possibilities are endless. ETGAR is the ideal solution for creating the garden you want in the future.



### ULF – The base for your electromobility

ETGAR also supplies power to your charging station and pairs seamlessly with the ULF universal charging station foundation.

# Device connection

## Operating principle

The ETGAR foundation box is a universal foundation for electrical end devices. Power and data cables are fed through the ETGAR corrugated duct.

The end devices can simply be screwed onto the carrier plate and connected.

Electrical end device

### Fastening screws

for stable mounting of the ETGAR carrier plate on the ETGAR foundation box

### ETGAR carrier plate

flexible and safe installation of electrical end devices

### ETGAR foundation box

accommodates four ETGAR corrugated ducts and allows flexible distribution of media lines

Power cable

Concrete base

Connection of further foundation boxes possible

### ETGAR extension sleeve

for connecting the corrugated duct to the foundation box and for sealing the corrugated duct system

### ETGAR corrugated duct

connection possibility of empty pipes

### Installation device

for exact positioning of the ETGAR foundation box

Electricity from building connection



# System overview ETGAR

## Power source

## Distribution

## Supply

### Building with a basement



**Single-line building service outlets  
ETGAR building package**  
for buildings with a basement  
and a corrugated duct connection



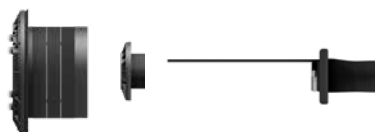
**Universal  
wall sleeve 100**  
for new buildings and a  
corrugated duct connection



**Multi-line building service outlets  
ETGAR building package**  
for buildings with a basement  
and four corrugated duct connections



**Building services outlet  
ETGAR wall sleeve**  
for new buildings and four  
corrugated duct connections



**Building service outlet  
ETGAR multi-/single-line  
exterior sealing element  
or module 8**  
for retrofit



**ETGAR corrugated duct**  
ø 75 mm



**ETGAR foundation box  
& ETGAR carrier plate**

### Buildings without basement



**Building service outlets  
ETGAR building package**  
for buildings without a basement  
and four corrugated duct connections



**ETGAR corrugated duct**  
ø 75 mm



**ULF  
Universal charging  
station foundation**



**Building service outlets ETGAR MIS**  
retrofit solution for buildings with and  
without a basement and a single  
corrugated duct connection

# Building services outlets for buildings without a basement



Figure	Item	Article code	Article number	GTIN
	ETGAR building package for building services outlets	<b>HAB ETGAR BHP<sup>1)</sup></b>	3030404422	4052487231626
	ETGAR building package for single-line building service outlets	<b>HA ETGAR MIS100S</b>	3030576095	4052487247238








1) Scope of delivery see: [www.hauff-technik.com](http://www.hauff-technik.com)

# Building services outlets for buildings with a basement

Figure	Item	Article code	Article number	GTIN
	ETGAR building package for multi-line building services outlets	<b>HAW-M ETGAR BHP<sup>1)</sup></b>	3030458211	4052487239936
	ETGAR wall sleeve for building services outlet for ETGAR BHP	<b>HAW-M ETGAR FR</b>	3030458206	4052487239912
	Building services outlets, ETGAR multiple/single outer sealing element	<b>HAW-M ETGAR AD</b>	3030490272	4052487241939
	ETGAR building package for single-line building service outlets	<b>HAW-E ETGAR BHP<sup>1)</sup></b>	3030458216	4052487239967
	Universal wall sleeve for any type of wall	<b>UFR100/200</b>	3030300244	4052487216098
	ETGAR exterior sealing element for single-line building service outlet for ETGAR building package	<b>HAW-E ETGAR AD</b>	3030491405	4052487242028

1) Scope of delivery see: [www.hauff-technik.com](http://www.hauff-technik.com)

# Distribution on the property or to the parking spaces

Figure	Item	Article code	Packing unit	Article number	GTIN
	PE corrugated duct for ETGAR BHP	<b>HAB ETGAR WR75 GR30000</b>	1	3030401995	4052487231374
			6		4052487231671
	ETGAR extension set for ETGAR BHP	<b>HAB ETGAR VLS</b>	1	3030404455	4052487231657
			6		4052487231640
	Sleeve caps for ETGAR foundation box	<b>ETGAR ANS 4x5-25</b>	1	3030449206	4052487239899
			10		4052487239905
	Extension sleeve for ETGAR building services outlet	<b>ETGAR MA70-84/70-84</b>	1	3030403633	4052487232302
			12		4052487231886
	ETGAR foundation box for ETGAR BHP	<b>ETGAR FB</b>	1	3030454134	4052487239851
			32		4052487239868
	ETGAR foundation box set for ETGAR BHP	<b>ETGAR FB SET<sup>1)</sup></b>	1	3030482075	4052487242202
			4		4052487241908
	ETGAR carrier plate for ETGAR foundation box	<b>ETGAR FB TPL</b>	1	3030454138	4052487239875
			32		4052487239882
	Universal charging station foundation for the installation of charging columns and charging pedestals	<b>ULF300 1x110</b>	1	3030512350	4052487243452
			9		4052487243674

<sup>1)</sup> Scope of delivery see: [www.hauff-technik.com](http://www.hauff-technik.com)



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