



ETGAR

Energy to Garden



Financing?



Looking for a site?



Roof shape?

Type of heating?

Roof tiles?





Layout design?

Prefabricated house or solid construction?



Flooring?

Garden planning?

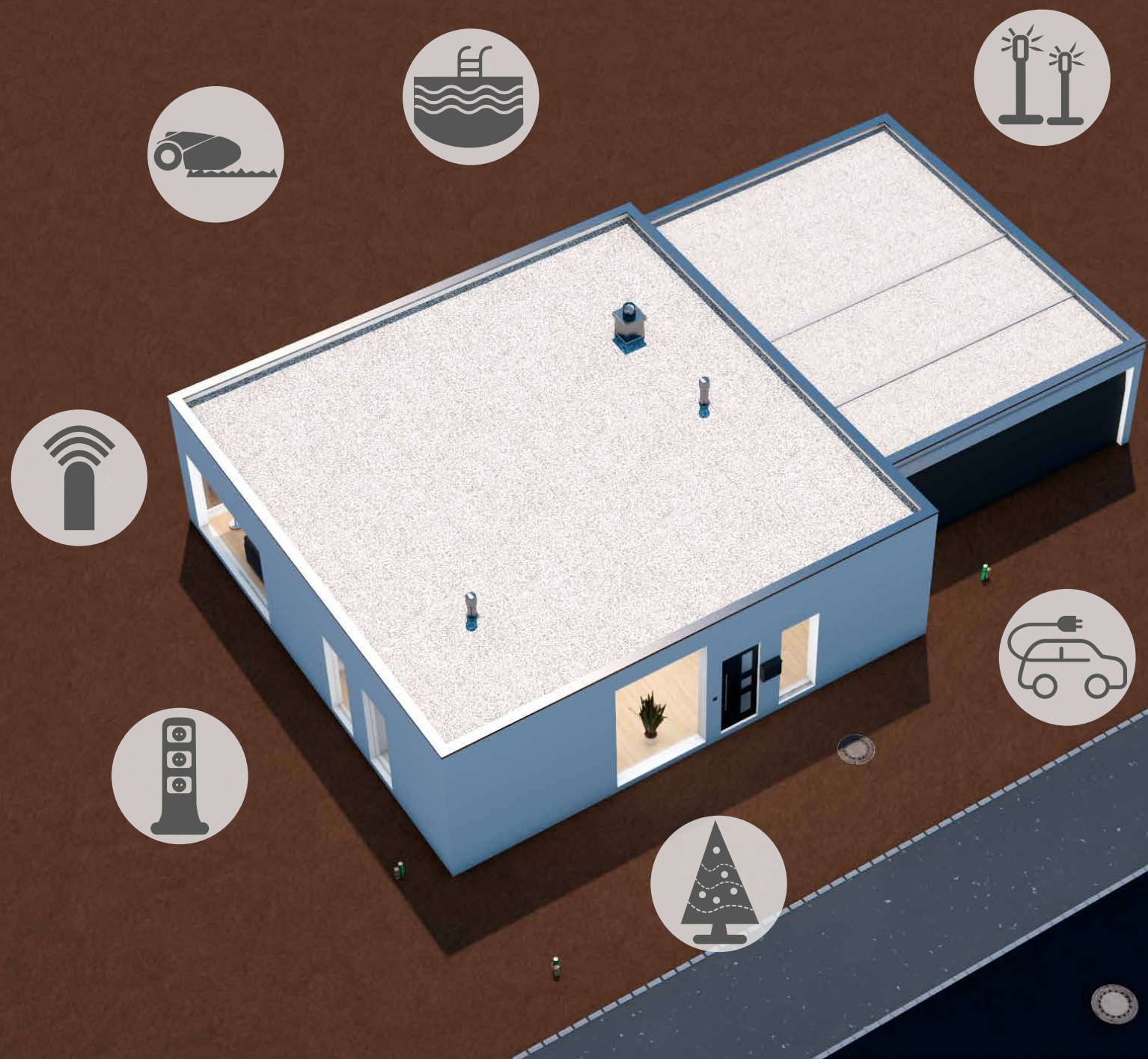


Countless possibilities

Garden and property planning

Nowadays, there are countless possibilities for garden and property planning. In addition to the visual design aspects ever more technical options and applications are available that can make your life easier in the future

The latest trend relates not only to the smart home, but also the smart garden. Whether with an EV charging point, robotic lawn mower, garden lighting or a simple power outlet for the outdoor Christmas lights.



What happens if the power supply for the garden was not planned for when the house was built?

If a power supply of the outdoor facilities was not taken into account during planning, construction work starts all over again when creating the garden.

Unsightly drill holes in the building facade and digging up already paved drives, garden paths or already planted beds are usually the result of a lack of planning.



ETGAR = Energy to Garden

Timely planning, endless connection options.

To ease the burden on you during the construction phase, we assume the planning and design of the outdoor facilities.

Lighting

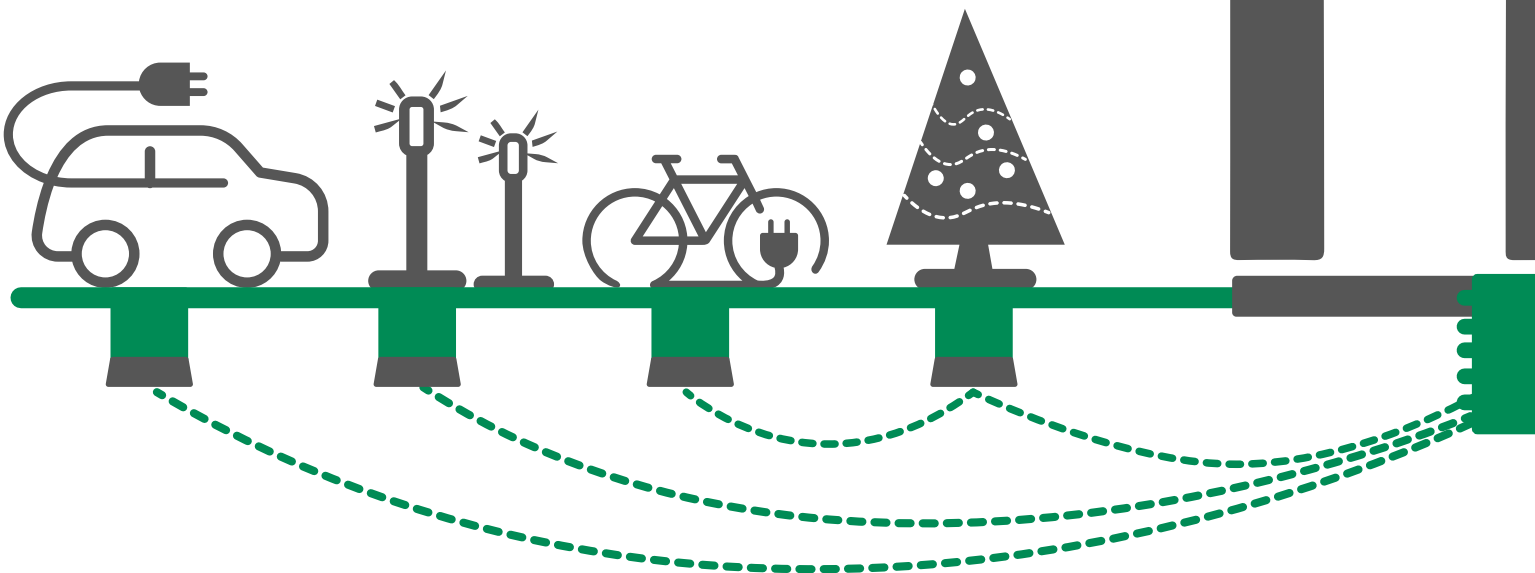
Whether it is Christmas lights that decorate the driveway or front garden every year, permanently installed path lights or ambient lighting– light is a powerful design tool that plays an important role, not only in the house.

Electric car charging station

Almost every seventh new car in 2020 was electric. In the next 10 years, the number of electric vehicles is set to increase from currently 200,000 to 10 million and the number of public charging stations from around 20,000 to 1 million. Although the German Building Electric Mobility Infrastructure Act (GEIG) passed in March 2021 only stipulates that a charging and cable infrastructure has to be installed for apartment buildings with more than five parking spaces, it also makes sense to provide sufficient charging stations for the vehicles in single-family homes.

Electric bike charging station

A family outing at the weekend or even the daily commute to work, no matter how you use your electric bike in everyday life, a charging station with enough sockets for all the family is an absolute must-have.



Garten shed

A small workbench, an electric firewood splitter or lighting for the evening hours? Power in the garden shed provides a real extra benefit for a wide range of purposes.

Lawn mower

Robotic lawn mowers in the garden have long been as commonplace as robotic vacuum mops in the house. Of course they need a charging station too.

WiFi antenna

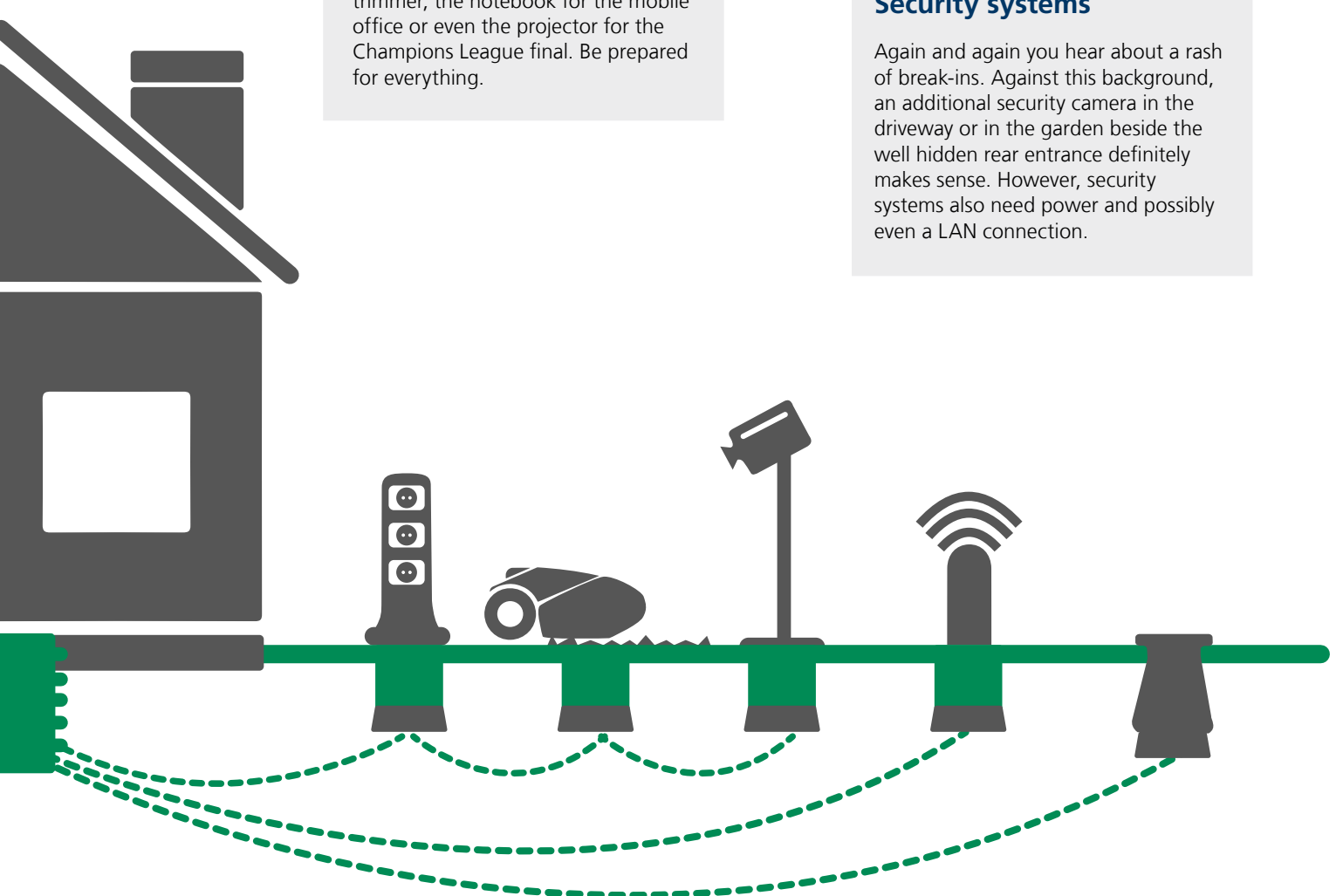
If Covid-19 has taught us anything, it is that home schooling and mobile working are no longer future aspirations. And who says that your workspace has to be in the house and that you can't sometimes duck out to the patio? However, to do so, the WiFi connection must be stable enough in the garden too.

Power column

The chain of lights for the garden party, the leaf blower, the hedge trimmer, the notebook for the mobile office or even the projector for the Champions League final. Be prepared for everything.

Security systems

Again and again you hear about a rash of break-ins. Against this background, an additional security camera in the driveway or in the garden beside the well hidden rear entrance definitely makes sense. However, security systems also need power and possibly even a LAN connection.



ETGAR building packages

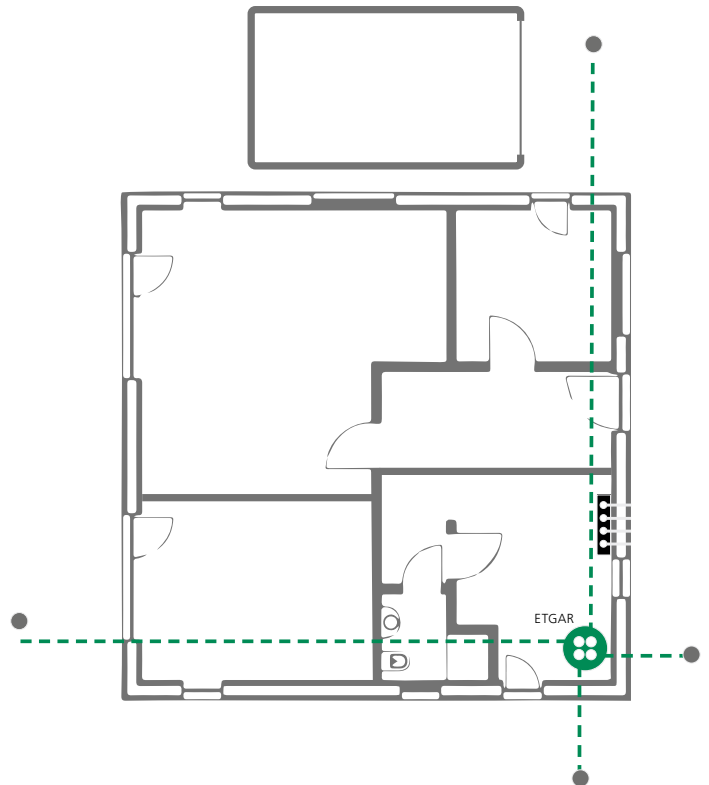
The new ETGAR building services outlet for floors and walls

ETGAR is installed in the utility room, very close to the electrical (main) or subdistributor and is cast in the concrete when the slab for your building is being poured. Flexible empty conduits run from this building services outlet under the slab in all directions of the future garden site.

The ETGAR building package of course covers all the important legal requirements like the protection of buildings from moisture and radon. From this point on, you have complete flexibility in how you proceed with planning your garden.

Advantages at a glance

- **complete system for distributing the power supply to the entire property from the building connection room**
- **retrofitting possible at any time without digging thanks to the comprehensive empty conduit system**
- **custom-extendable thanks to modular design**

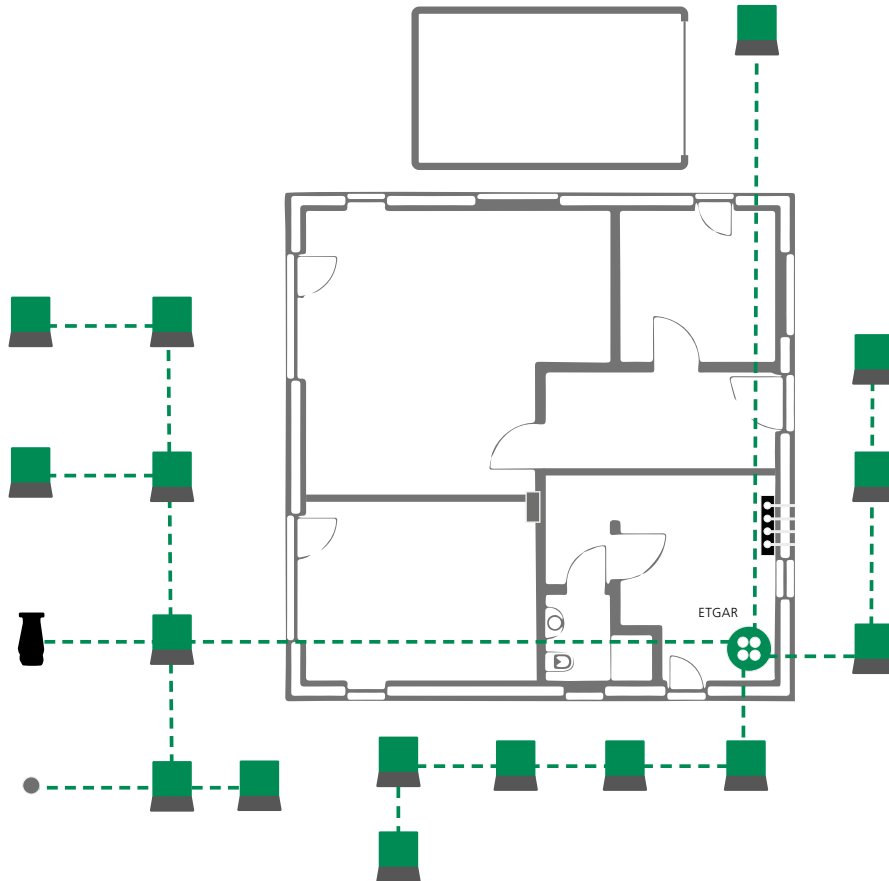


ETGAR garden distribution

Power supply for the garden and connection of devices made easy

Once the house is finished, at some stage attention turns to designing the outside.

Now you can simply extend the access points installed during the build phase and run them to where you want them, branch them again or simply leave them blind sealed to be able to use the access at some future point.



ETGAR building package for building services outlets for buildings without a basement

HAB ETGAR BHP

Scope of supply

- 1 x basic unit for setting in concrete with 4 outlets and a blind cover
- 1 x height-adjustable installation fixture
- 1 roll of 30 m corrugated pipe DN 75 incl. pulling aid
- 4 x Interlocking sleeves for corrugated pipe, pre-assembled
- 8 x profile sealing rings for connection of corrugated pipes
- 4 x sealing caps for corrugated pipe
- 1 x seal insert, gas- and water-tight
- 2 x sealing elements ETGAR DB 1x13-21+3x7-13+1x5-13
- 2 x sealing elements ETGAR DB 1x24-40+3x7-13
- 1 tube of lubricant



Figure	Article code	Pieces in packing unit	Article number	GTIN
	HAB ETGAR BHP	1	3030404422	4052487231626



ETGAR building package for multiple building service outlets

for buildings with a basement

HAW-M ETGAR BHP

Scope of supply

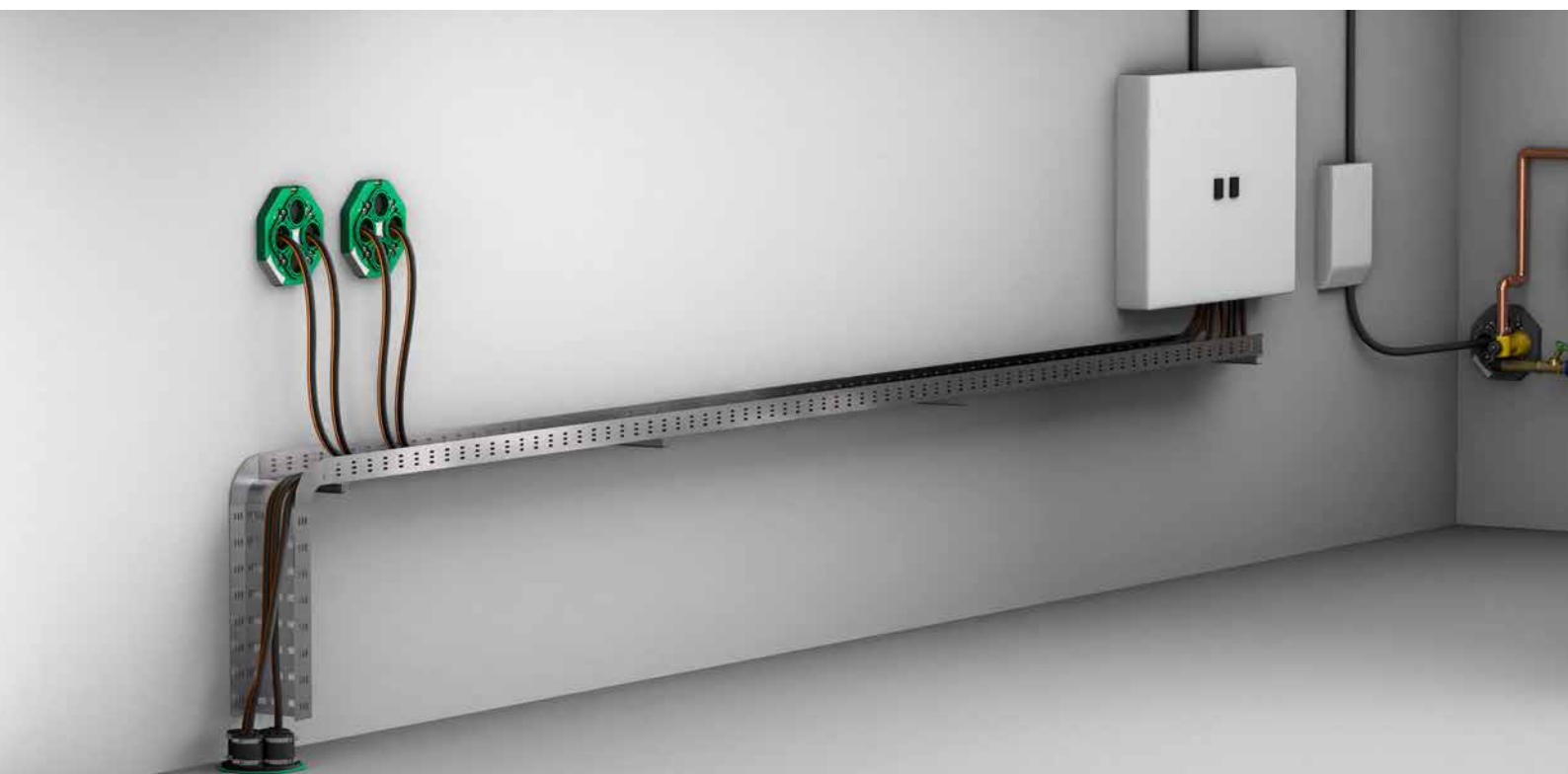
- 1 x ETGAR multiple basic version
- 16-piece pipe connection set (4 double sleeves DN 75 + 12 profile seals DN 75) RAS16
- 2 x sealing elements ETGAR DW 1x26-30+3x5-8+2x7-13
- 2 x sealing elements ETGAR DW 1x13-21+3x7-13+1x5-13
- 1 tube of lubricant
- 1 x insulating plate

Accessories for installation in core drill holes

- requires: ETGAR building services outlet, wall sleeve, wall thickness 400 mm, can be cut to length for other common wall thicknesses
- optional: external sealing element HAW-M ETGAR AD for installation in core drill holes



Figure	Article code	Pieces in packing unit	Article number	GTIN
	HAW-M ETGAR BHP	1	3030458211	4052487239936
	HAW-M ETGAR FR	1	3030458206	4052487239912
	HAW-M ETGAR AD	1	3030490272	4052487241939



ETGAR building package for single building service outlets

for buildings with a basement

HAW-E ETGAR BHP



Scope of supply

- 1 x ETGAR single basic version
- 1 x sealing element ETGAR DW 1x26-30+3x5-8+2x7-13
- 1 x 4-piece pipe connection set (1 double sleeves DN 75 + profile seals DN 75)
- 1 x external sealing element for installation universal wall sleeve UFR 100/x
- 1 x insulating plate

Accessories

- requires: UFR 100/200 or 240/250/300/365/400
- optional: external sealing element HAW-E ETGAR AD (for installation in core drill holes)

Figure	Article code	Pieces in packing unit	Article number	GTIN
	HAW-E ETGAR BHP	1	3030458216	4052487239967
	UFR100/400*	1	3030300249	4052487216142
	HAW-E ETGAR AD	1	3030491405	4052487242028









* Further UFR wall thicknesses upon request/refer to our website.

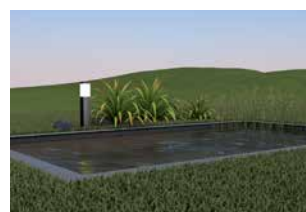
Etgar garden distribution

Become creative and extend your package

ETGAR is a complete system for distributing the power supply to the entire property. The size 75 empty conduit system is complemented by the foundation box, which not only enables connection and branching of up to 4 empty conduits, but also serves as a foundation for connecting various devices.

The polymer concrete carrier plate enables simple doweling of lamps, EV charging points, power columns or other devices with various drill-hole patterns. The ETGAR termination box can simply be placed as a reserve access in an as yet unused corner of the property and used for applications at a later date.

Figure	Article	Article code	Pieces in packing unit	Article number	GTIN
	ETGAR foundation box set	ETGAR FB SET	4	3030482075	4052487241908
	ETGAR foundation box	ETGAR FB	32	3030454134	4052487239851
	ETGAR carrier plate	ETGAR FB TPL	32	3030454138	4052487239875
	ETGAR sleeve caps	ETGAR ANS 4x5-25	10	3030449206	4052487239899
	ETGAR extension set	HAB ETGAR VLS	1	3030404455	4052487231657
	Extension sleeve	ETGAR MA70-84/70-84	12	3030403633	4052487231886
	PE corrugated pipe	HAB ETGAR WR75 GR30000	6	3030401995	4052487231671
	ETGAR basic component	ETGAR AB	1	3030407683	4052487231954



Design your drive

Connection options

A well thought-out lighting concept perfects the appearance of your building and keeps uninvited guests away. Further security equipment such as cameras and motion sensors are also a must on your property as well as at access points and on drives.

In addition to the wall box in your garage for your own vehicles, a charging station on the drive is also very useful for further vehicles and guests who need to charge their electric vehicle during their visit.







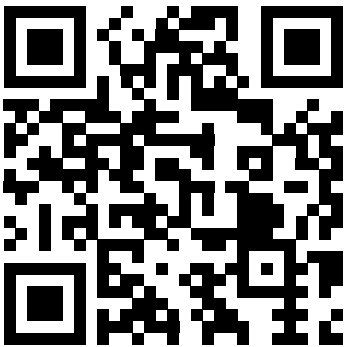


Design your garden according to your wishes so that it becomes an extension of your home.

A robotic lawn mower has virtually become standard today – in addition to saving time, it automatically mows and cares for your lawn perfectly. A pool or swimming pond, which needs to be equipped with a pump, is indispensable as an oasis of peace in your garden.

WiFi ensures that you do not need to interrupt or end your time in the garden to use your mobile device, stream your favourite series on the outdoor couch or use your PC in your home office.





Hauff-Technik UK Limited

Units 1 & 2 Carrwood Road
S41 9QB Chesterfield, United Kingdom

Tel. +44 (0) 1246 792018

ht.international@hauff-technik.de