

For eternal green mountains and clear waters
we will keep exploring.



PEAKS - ECO

Website: <https://www.peaks-eco.com>
<https://www.peakscorp.com>

Tel: +86 010 6730 9840

Email: info@dzqunfeng.com

Address: No.6, Dening Road, Ningjin Development
Zone, Dezhou, Shandong Prov.ince, China

PEAKS-ECO

群峰重工

Underground Waste Transfer Station

PRODUCT CATALOGUE





WE ARE PEAKS-ECO

PEAKS-ECO was founded in 2005. The company focuses on the design, construction, operation, equipment production and technological innovation of comprehensive waste treatment projects, providing comprehensive environmental governance solutions. It is committed to realizing the sustainable development of people and environment. Relying on the advantages of equipment manufacturing and process technology innovation, the company concentrates on the investment, construction and operation of waste recycling industrial park. The company's business includes the treatment of all kinds of garbage, such as construction waste, kitchen waste, fruits and vegetables waste, household garbage, industrial waste, etc., environmental restoration, sludge treatment and resource utilization. For the treatment of solid waste, the company is currently taking part in the construction of more than 30 waste treatment projects in China's first-tier cities, more than 50 projects in large and medium-sized cities, over 100 projects in small cities, and more than 30 large-scale waste projects overseas. The company has gained a lot of experience in design, production and construction, and has become a leading player in the waste treatment industry.

PEAKS-ECO has a large OEM intelligent processing and manufacturing base with an area of 23.3 hectares. It set up Qingshan Research Institute in Beijing, serving as the technology research and development center. In 2023, the company's intelligent manufacturing, R & D center started production in Dezhou Comprehensive Experimental Zone.

During recent years, PEAKS-ECO has successfully introduced new products and new process from Germany and Finland, bringing world's cutting-edge process and products into China, and smoothly expanded to the world as a Chinese environmental protection enterprises.

The company's motto is "For eternal green mountains and clear waters, we will keep exploring". PEAKS-ECO will adhere to scientific and technological innovation, and continue to make achievements in the field of environmental governance.



The company has a lot of experience in design, production and construction in the comprehensive treatment of solid waste, and has become a leader in the waste treatment industry

We listen to you.

The innovations, modifications and improvements that we make to products are often the result of feedback from customers. We have worked closely not only with managers in local communities, the waste management industry and many municipal authorities, but also with our experienced and professional sales partners to revamp and refine the underground systems.

Top quality as standard

PEAKS-ECO has another quality waste collection product on the market that has been performing particularly well in day-to-day service for years. This is reflected in the more than 100 systems installed to date.

True values

The systems from PEAKS-ECO are robust and long-lasting and retain their value extremely well. They satisfy the high requirements made of them and are characterised by versatility and economy. The lift system from PEAKS-ECO gives you long-term security of investment.

Safety first!

A passion for waste management systems means taking responsibility and offering products that meet all requirements as well as the very highest standards and expectations. PEAKS-ECO guarantees certified safety and boasts both considerable experience as well as a broad spectrum of references.

Service – always and everywhere

The PEAKS-ECO service package gives the customer confidence – worldwide, seven days a week. We provide rapid, no-fuss help, either directly or through our reliable sales partners. Downtimes are expensive, which is why PEAKS-ECO makes sure its customers are sent spare parts quickly and reliably or given assistance by qualified service engineers.

You can enjoy the benefits of the proven underground press lift system, which has never before existed in this form!

What makes it a giant

Underground compactor stations compress the recyclable material and residual waste that is deposited in them, significantly minimising the volume. As they are below ground, they do not have an adverse impact on the visual appearance of the area, nor do they take up any surface space. The only parts that are visible are the elegant throw-in columns with access system. What's more, very little odour is emitted, despite the large quantities. For emptying, the waste systems are raised by means of a hydraulic system.

An impressive solution

These days, how waste disposal is organised is of central importance for housing estates, public buildings and commercial properties. That's why such underground waste management systems are so popular for large apartment buildings and housing estates especially: they are attractive, save space, offer barrier-free access and ensure a clean living environment.

Since land is becoming ever more expensive, particularly in conurbations, and it would be a pity to take up valuable space with rubbish bins, more and more operators are opting for a compactor station instead of a large number of bins.

Gigantic savings in fuel costs and CO₂ emissions

Compaction in the container increases capacity. To take an example from real life, a residential block of 400 people, with each person creating about 0.4 kg of residual waste a day, will produce a total of 58,400 kg of waste every year. It operates a compactor container of capacity 18 – 20 m³. This only has to be emptied every 50 days, corresponding to seven emptying operations a year.

Sustain ability

Environmental compatibility, rising raw material costs and increasing quantities of waste are issues of central future relevance that we encounter every single day. The system brings all these aspects together and offers lasting reductions in transport routes as well as huge CO₂ savings. It can also be integrated aesthetically into the surrounding area.

Underground collecting press

When you invest in underground garbage transfer station from PEAKS-ECO, you are choosing not only one of the best systems in the world, but also the elite team behind it. It's a team that provides reliable, first-class service and ensures that your system can be used round the clock. But that's not all: you also get our "standard extras" for your new system.

May we present

Our research and development expenditure on this new generation exceeds everything that we have ever previously invested in the development of a new product. We took your ideas and suggestions into account in every phase of development, using all our experience to create a product that is convincing down to the tiniest detail. And let's not forget, either, that it has never cost less to dispose of waste cleanly and efficiently than with the underground garbage transfer station from PEAKS-ECO!

Particularly low maintenance costs

The system was designed for minimal maintenance and servicing. The underground garbage transfer station is built around a simple mechanical system and offers an unbeatably low level of maintenance expense. The comprehensive support from our customer service or many sales partners gives you professional certainty – at all times.

Don't just meet expectations – exceed them!

We are working constantly on ensuring that our systems always keep you one step ahead. That's why we're proud to present one of the best-value lift systems that is available on the market at present.

One system,
countless advantages



More than just a
waste container!



Pioneering waste disposal

Offering an unusual choice

The systems are configured with different options – you can see for yourself which meet the requirements in the quarter.





Optional extras

To ensure that the many possibilities and benefits of the PEAKS-ECO underground garbage transfer station can be put to optimum use, we have a range of optional extras for you. These solutions will save you money and enhance convenience.

Organic and green waste collection

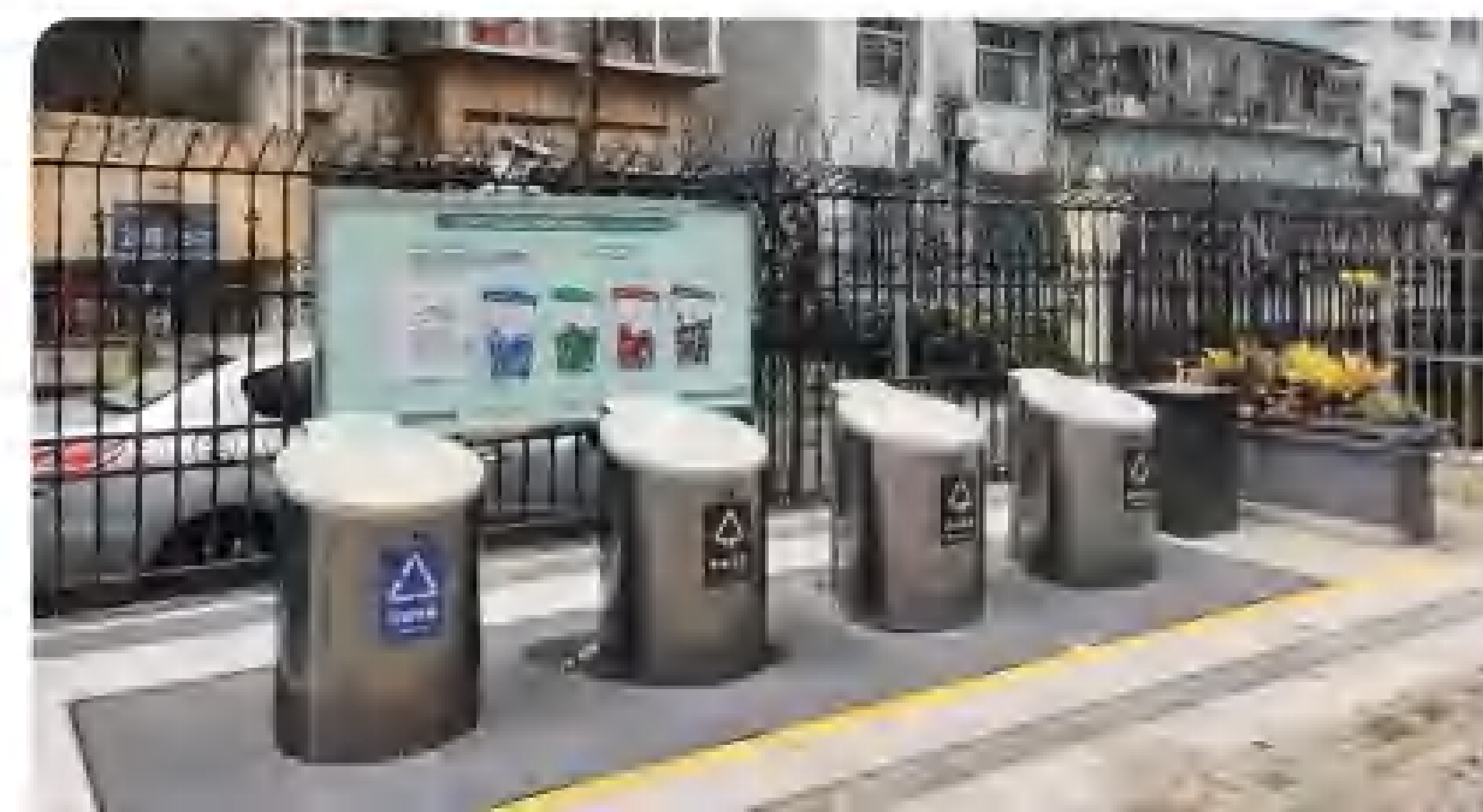
The system also includes a facility for collecting green waste. This consists of two throw-in columns with access system, each with a wheeled container under the platform.

Disposal hatch with container tipping

Throw-in column with sack weighing, combined with a disposal hatch and sunken container tipper.



- Residual waste disposal, throw-in column with weighing.
- Throw-in column with card scanner.
- Removal of the wheeled container from the platform. Integrated with a fill-level sensor.



An integrated hydraulic tipper enables wheeled containers holding 700 to 800 litres to be emptied, with the waste being identified and weighed as well. The data are collected and analysed simultaneously.



In the heart of China
Beijing

Underground garbage transfer station in nursing homes and hospitals

You only
get the true
original
from us.





Waste disposal with no negative aesthetic impact

The gently curving footpaths, planting with bushes and trees of the newly created park offer sheltered opportunities for relaxation, places to meet others and space for recreation. The underground garbage transfer station press system was chosen to handle the waste disposed of across the whole quarter. As the system is installed below ground level, there is no negative impact on the landscape.



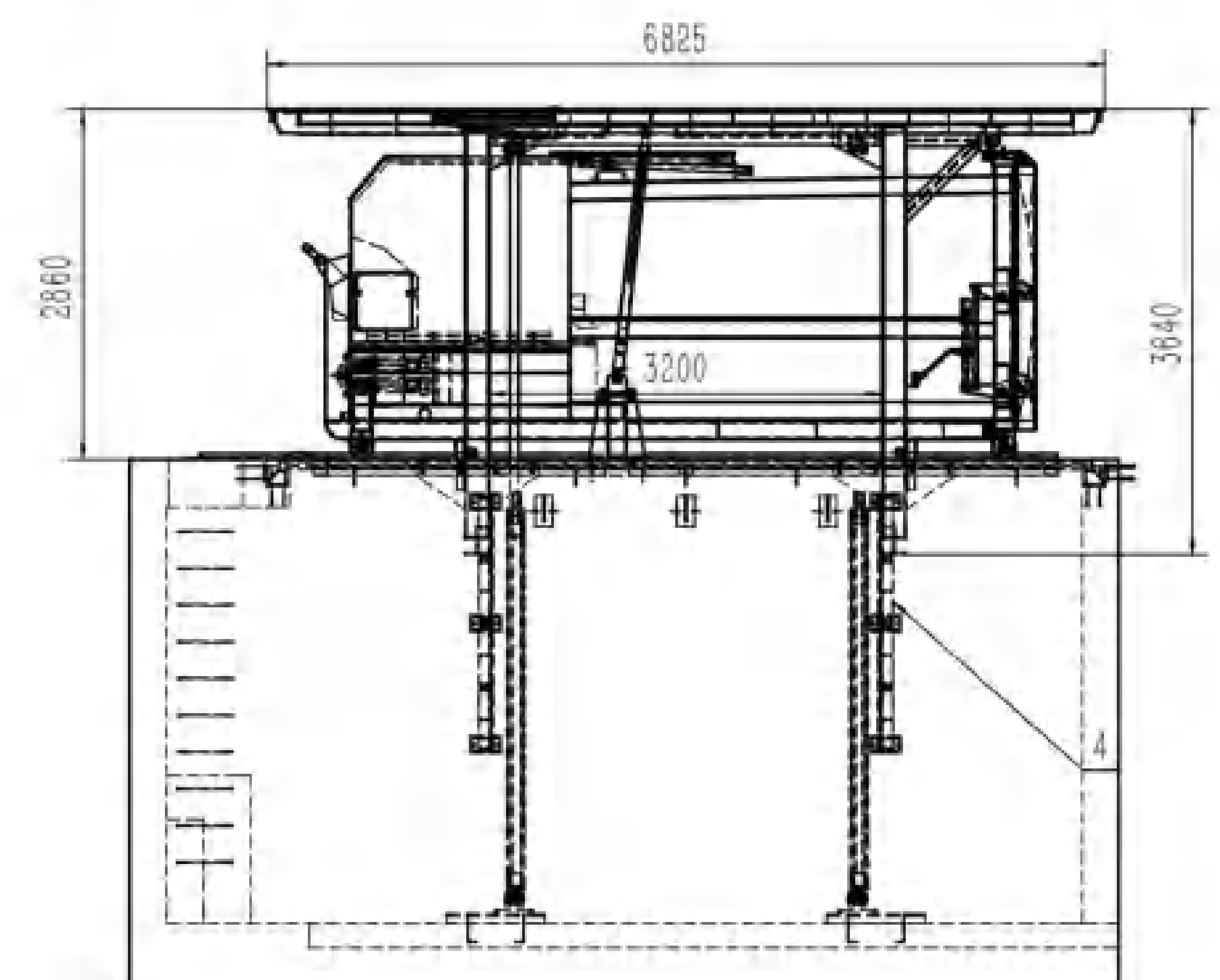
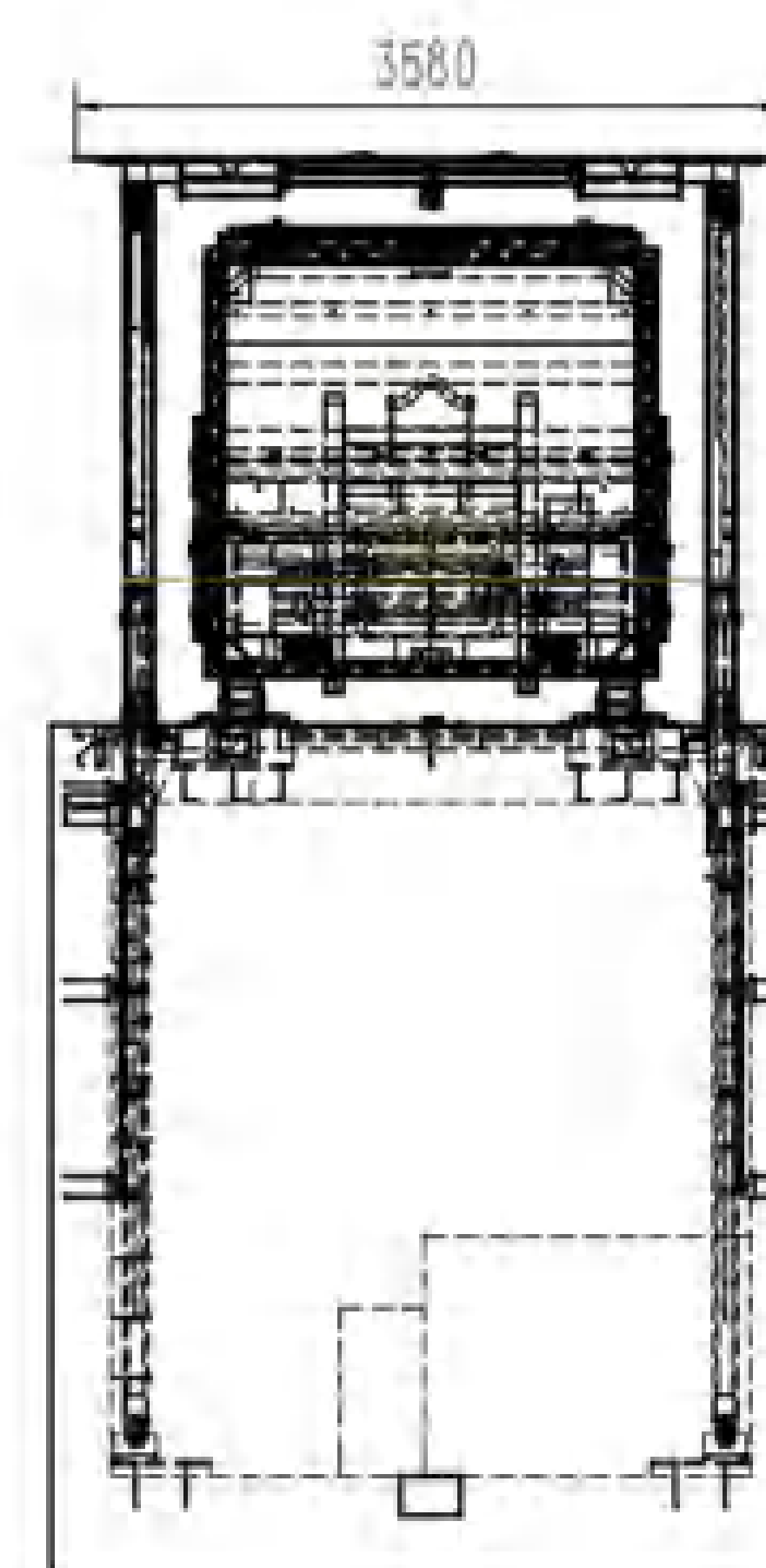
A quarter which will have up to 900 homes when completed covers its entire waste disposal requirements with just four systems.

We deliver more than promised.

What makes it a giant

With a collecting press of capacity 22 m³, the underground compactor station can hold around nine tons of waste, which will only have to be emptied every five weeks.

Compactor container being removed directly in the system





Impressive cleanness

Hardly any paper left lying around

Underground collection points offer so much more – such as a better collection rate, tidiness, cleanness and continuous accessibility. This ultimately results in a better quality of life thanks to significantly reduced noise and odour emissions.



Two types of waste

With the system, all residual waste is collected using type throw-in column with an access system for authorised persons and integrated sack weighing. Bills on a 'user pays' basis are sent to the relevant users as a quarterly invoice.

Organic and green waste is collected using 770-litre wheeled containers, which are emptied weekly by the local collection service team. The type throw-in column has an access system for authorised persons. Each throw-in column is fitted with a fill-level sensor so that only one column is open at any time. Once the container is full, it switches to the next empty container.



Bound by tradition

Disposal solutions within the building

The system is the perfect solution for construction projects with confined spatial conditions. In this case a standard product was chosen, the only adjustment being a higher lift height.



Our solutions are characterised by ease of operation and high system reliability. We attach great importance to the integration of your individual wishes, and work together with you to develop appropriate solutions for inside and outside areas.

Multifunctional lift system



Disposal hatch with integrated throw-in column, side safety guards and vehicle barrier





The cost-effective solution

The impressive tower blocks, modern and timeless architecture and rich and varied infrastructure ensure that the location is very popular.

This, though, results in greater quantities of waste that have to be disposed of all the time. There is no system better suited to meeting this requirement than the underground compactor system.

Design and functionality of the very highest level

The system adds a prestigious look and can be integrated directly into a residential complex, but is also always accessible. In many cases that makes it the only sensible solution for the professional handling of large quantities of waste.

Waste collection in the city of superlatives

PEAKS-ECO has installed a waste collection system for a large, new quarter featuring many offices and residential complexes: The system located ergonomically in an underground car park.

Increase the attractiveness of your property

Waste disposal is in transition. In these hot regions, the majority of waste is still being deposited in wheeled containers above ground level, resulting very quickly in unpleasant odours.

This example shows that there is an alternative: an integrated underground garbage transfer station in the building complex.





Throw-in columns for all waste

The collection process begins with the right choice of throw-in column!

Simply closed:

Whether for a residential development, for commercial or industrial customers – we offer you a wide range of individual locking system solutions. Whether via conventional locking cylinder with key or via online access systems with badge or smartphone, the choice is yours! In addition, access solutions can be provided as a new product or retrofitted.

Locking cylinder:

A customer-provided house locking cylinder, round cylinder or profile half cylinder are also possible. The cylinder length is agreed with PEAKS-ECO in advance. The design is possible as a deadbolt or latch lock and can also be optionally combined with a foot pedal.

Access system:

Can be operated by badge/smartphone or access card. Opening hours for users can be defined to prevent disposal outside the usual times. With the online access system, user authorisations can be made easily and conveniently from the office using badges and smartphones. The online access system can be installed in the double drum, thus enabling billing by volume. The number of deposits is counted by the access system and recorded in the system.

Access system equipment with refuse sack recognition:

Includes a controlling system to reduce/avoid incorrect and loose refuse sacks. Can also be combined with foot pedal. In addition, you get access to the battery status at any time. Remote software updates are also possible.





More than just a waste collection system

It's hard to imagine now, but more than 200 of the traditional waste containers would have stood on what is now the revamped. To replace this huge quantity of bins, four underground compactors were installed instead.

Convincing premium features

Many premium features flowed into the development from the start. This led to an extremely versatile lift system almost without parallel. It's not for nothing that we can count on a large and satisfied customer base. Our reference systems speak for themselves.

Underground compactor container in the city centre

Gives local inhabitants and shopkeepers in the centre a second option for disposing of their waste alongside collection by the city's waste collection team, which collects refuse sacks from the streets.

However, the confined spatial conditions do not permit conventional underground containers emptied by crane. For these reasons of space, several compactor containers integrating seamlessly into the beautiful surroundings of the old quarter were installed below ground at key intersections.



One System, various Possibilities

Features:

- Use of large refuse containers from 660 l to 1100 l, flat lid.
- Disposal by traditional refuse collection vehicles
- Lift system can be adapted to the surroundings.
- Different fractions can be disposed of per system.
- tailor-made solutions.



Underground for textile collection

In densely populated cities and communities, space-saving underground containers are increasingly being installed. A solution from the series was developed from our proven range to meet the requirements of contemporary textile collection.



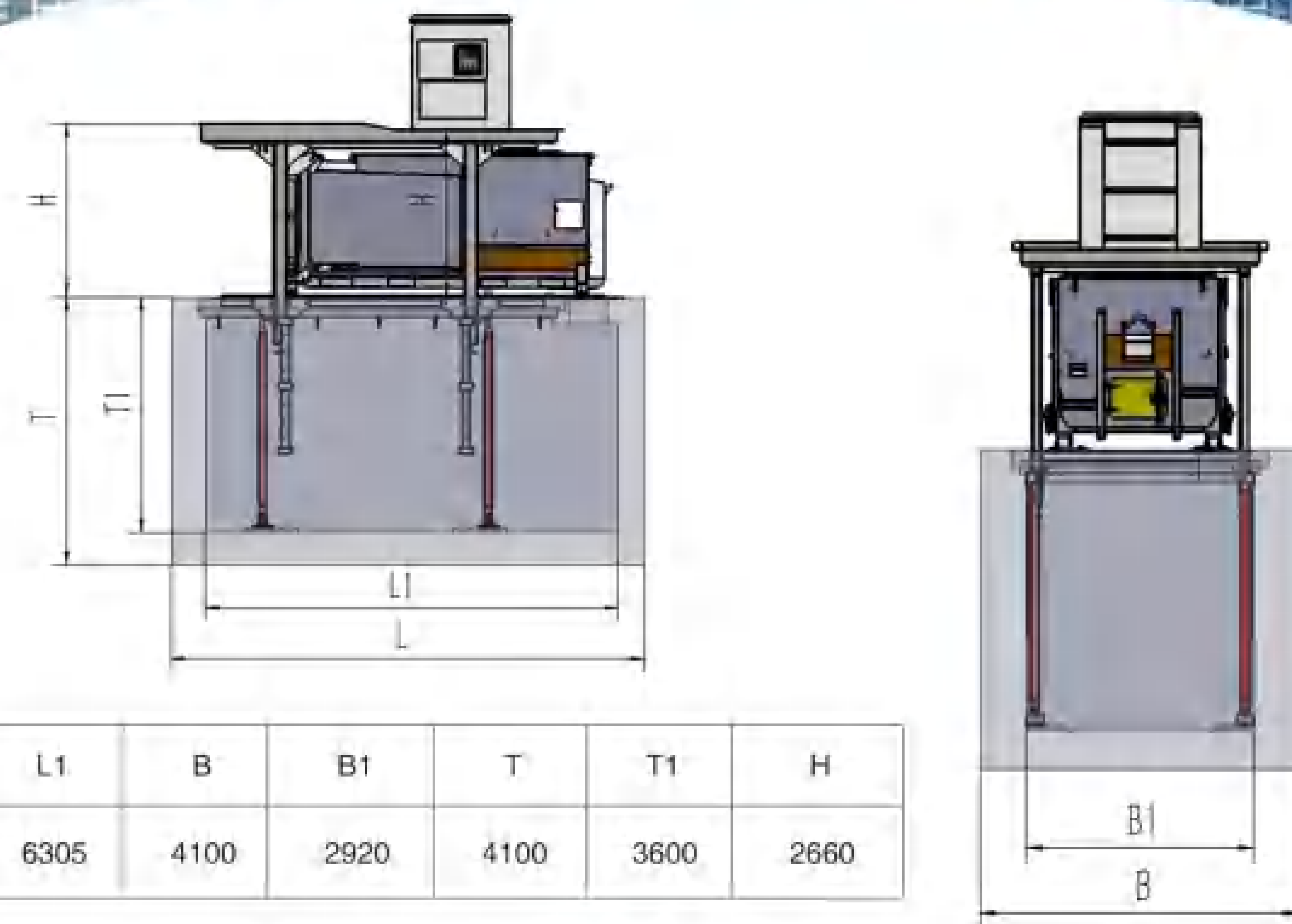
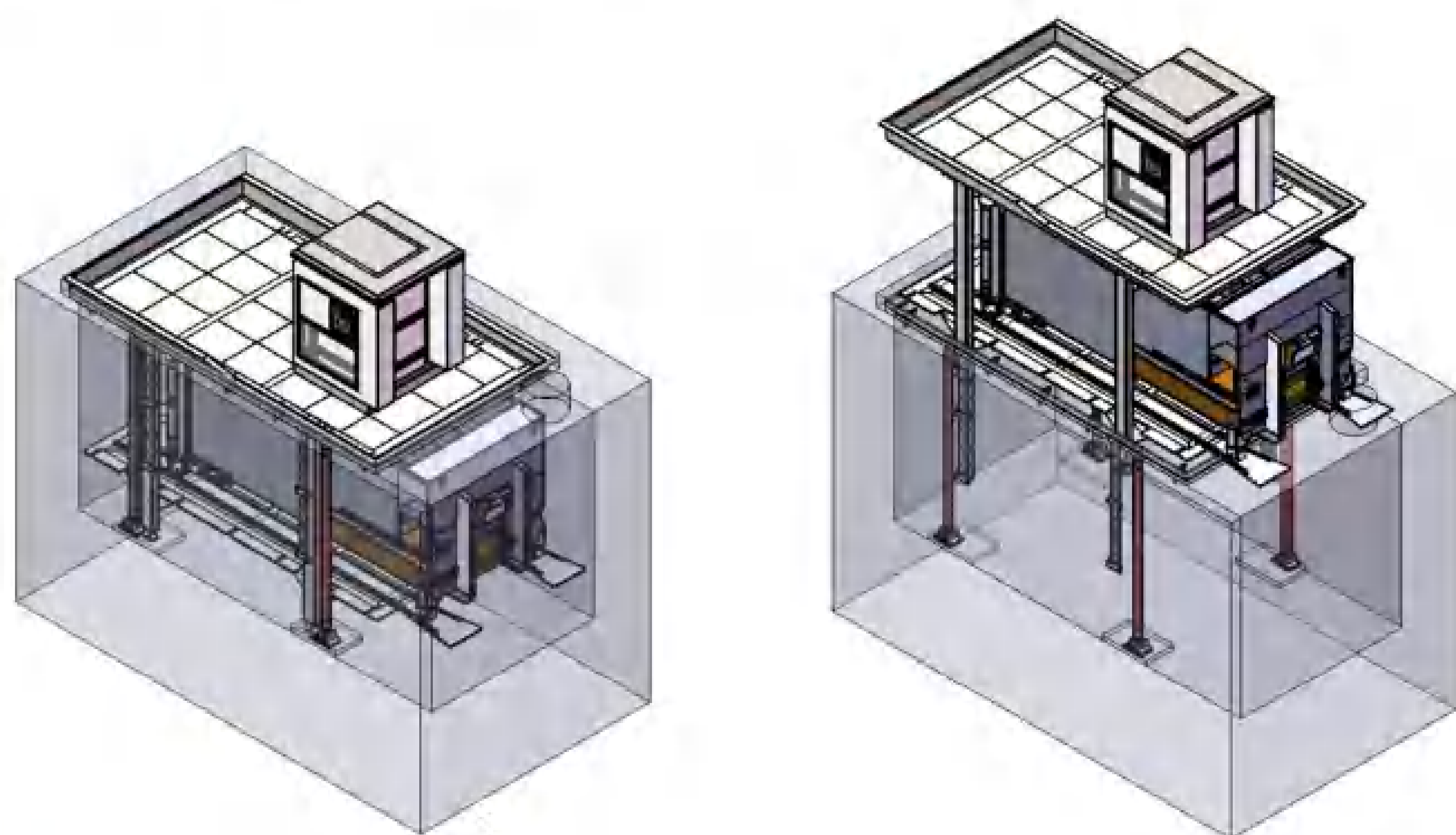


Innovations made by PEAKS-ECO

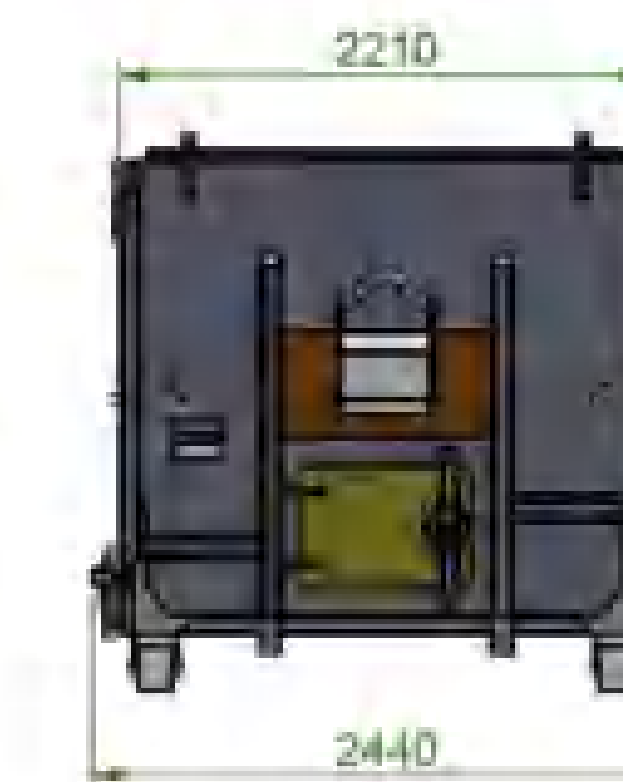
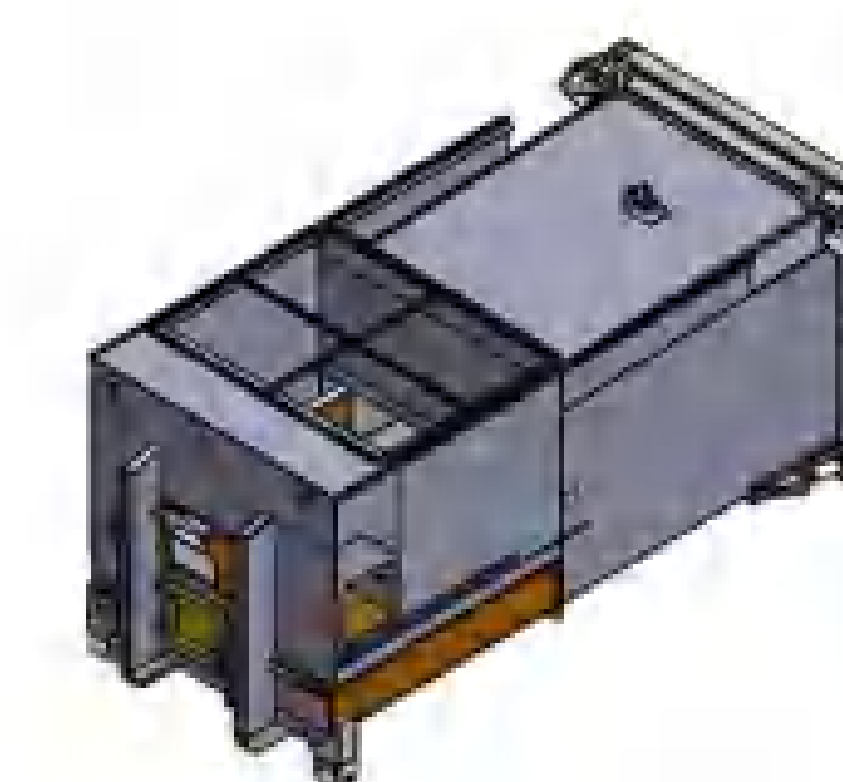
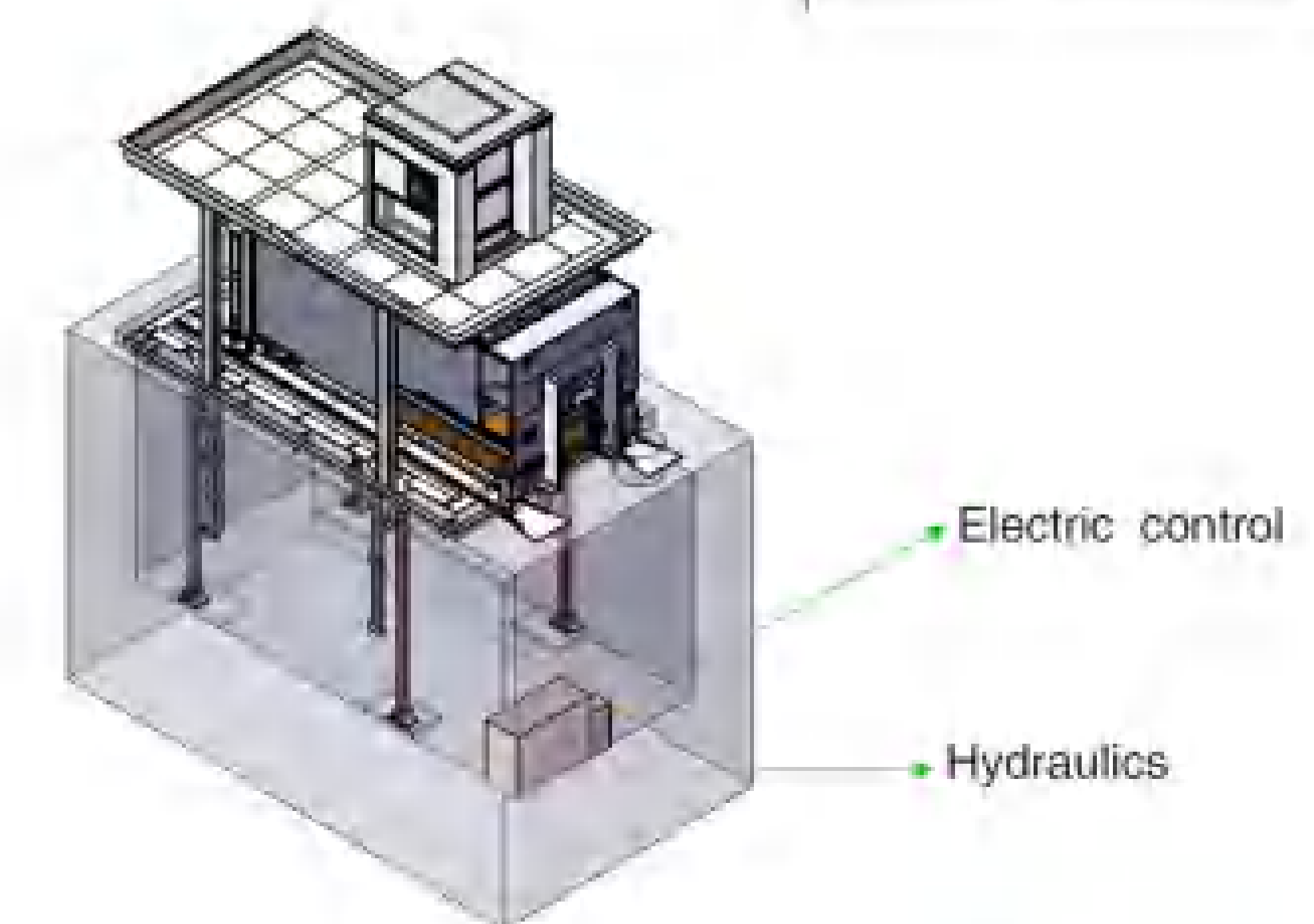
At PEAKS-ECO, every major step forward is driven by a spirit of innovation. It constantly drives our passion for the conceptualisation, design and creation of pioneering products and solutions.

For new requirements: We have met real professionals like you. You have told us of your requirements and shared your experience of PEAKS-ECO lift systems with us. And we have turned these into a new series.

- a) Can be transported by truck and in sea containers (suitable for sea freight, 20 feet)
- b) Available as a concrete element or steel trough, galvanized
- c) For compactor container volumes of 10 m³
- d) Can be supplied completely ready to connect
- e) Short assembly time, ready for use very quickly



All hydraulic systems and the electric control are integrated into the platform. Access is gained by opening the service hatch.



Lift systems

Lift maintenance and function check



Service is much more than just troubleshooting.
It is care and protection of systems that have to deliver top performance for many years.



Regular maintenance offers these advantages:

- Consistent quality and value of the system
- Extended service life
- Increased availability
- Reduction in costs
- User safety

More service
means
more benefits.

Services

- Maintenance and inspection
- Cleaning of the complete system
- Lubricating and greasing the components
- All oil checks included
- Compactor container maintenance

Your team of experts

Our experts ensure maximum running performance. They know the challenges of maintenance and ensure that legal requirements and technical standards are met.



Automatic washing of an underground container in the mobile cleaning system.

Proven functionality paired with a high level of comfort

The Peaks-eco systems all feature convenient operation. Our versatile and easy-to-use automatic functions make your work immensely easier. This saves you time and allows you to concentrate on other things.

Ask for a
non-binding offer!



Our systems enable comfortable operation.

Service

Because we are professionals

You can trust in the fact that we will always provide you with the best possible service quality for your electronic devices. We have highly trained service technicians but also the necessary infrastructure.

Full service

Our full service ensures comprehensive support and continuous availability of the products. Measures such as preventive maintenance or, in the event of a breakdown, correct recommissioning are the key to minimum downtimes.

Maintenance contract

Optimal cost control with complete protection of your system.

In order to provide you with safe operating conditions for your system at all times, we offer you the first-class "Care" service program. The Care program is available in two variants, from predictable service intervals to a maintenance contract with a long-term full warranty of six years.



Play it safe.

In order to guarantee safe operating conditions for your plant at all times, we offer maintenance contracts with service intervals that can be scheduled.

- Competent inspection, maintenance and cleaning
- Fast and reliable
- Maintenance intervals that can be scheduled



Optimal cost control with complete protection.

Our complete services and the unique full warranty for a permanently operational system.

- Competent inspection, maintenance and cleaning
- Fast and reliable

The advantages at a glance

- Competent maintenance and cleaning
- Optimum reliability of your system
- Calculable and transparent maintenance costs
- Service documentation in the Peaks-eco online system
- Value retention of your system
- Minimisation of downtime
- To please the customer
- User always encounters a well-maintained and functional system

We look ahead

Our full service ensures comprehensive support and continuous availability of the products. Measures such as preventive maintenance or, in the event of a breakdown, correct recommissioning are the key to minimum downtimes.

Service in new dimensions.

S

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R

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Spare parts

Reliability lies in the detail

Our range includes all spare parts you need. Maintenance and wear/consumable parts are always in stock. We deliver service with manufacturer competence.

Customer Service

Speed – on-site at any time

A service team and direct contact person guarantee our permanent availability, whether sales or technical advice. If you need us, we are fast and reliable. If required, our PEAKS-ECO sales partners are also always available to provide a responsive, optimal solution.

Remote Diagnostics Service

No downtime allowed

A number of PEAKS-ECO products come with high built-in intelligence. The system, electronic access and weighing system must all operate flawlessly without downtime. We ensure this via mobile radio and internet technology, which transfer data from the existing installation directly to the technician's computer. They can then make the correct diagnosis and take corrective actions from any location. You in turn save time and money!

Continuous documentation

We think in solutions

All business brochures, the website and our presence in social media are regularly updated – this enables us to always provide our customers with the latest information about our products, services and developments.

The technical documentation for spare parts and operating instructions for the product range are also available and up-to-date.

