

LogisticsCube – smart solutions for your mailroom.

Simplify internal mail and goods distribution processes.

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Video

Scan the QR
code now and
watch the video



Mail and goods distribution with LogisticsCube.

From smart turn-key to customised solutions.

With the Variocube LogisticsCube application in combination with smart locker systems, you can handle the internal distribution of goods, incoming mail and parcels as well as shipping. Thanks to the time independent and secure transfer via a smart locker, it is possible to offer efficient and cost-effective internal logistics even in times of home office and desk sharing.

With an API, our LogisticsCube application can be fully integrated into your processes. Alternatively, you can also use the system as a stand-alone solution, and thereby support your processes in the best possible way. The LogisticsCube application is already in use at many companies and has been continuously developed on the basis of customer requirements. This ensures a high level of practicality and efficiency in the processes.

Especially in growing companies with a constantly changing structure and number of employees, the question of how letters and parcels can be distributed in the future repeatedly arises. Our software and hardware offers you a decisive advantage: it is smart, flexible and versatile.



Save time

Shipments or goods no longer have to be brought to the workstation, employees simply collect them at any time from the locker.



Reduce costs

The elimination of multiple delivery attempts in the company helps to use human resources more efficiently. By improving the first and last mile, a higher delivery rate is achieved.



Safety & sustainability

Reduced transport volume through fewer delivery attempts lowers your company's CO₂ emissions. Items are stored securely in the locker and only authorised persons can open them.



Integrated via API or stand-alone.

Thanks to our open interfaces (API) in our cloud-service VC-Core system, the smart lockers and the LogisticsCube app can be seamlessly integrated into existing software solutions. Alternatively, using LogisticsCube as a stand-alone solution is a quick and cost-effective way to establish the new processes. Many of our customers start with a pilot project without integration and define the new process flows from their practical operations. By connecting to ActiveDirectory or another employee database, LogisticsCube can match the address labels read in via camera and automatically record the recipient data.

OCR recognition of labels.

Automated work steps reduce the recording effort.

Automation is finding its way into many areas of the business and can significantly simplify processes in the mailroom. Recipients can be easily identified using OCR recognition of address labels. Partially automated address capture saves time by eliminating the need for manual entry into form fields. It also reduces errors by eliminating typing errors. If readability problems occur due to damaged labels or illegible writing, the item is flagged in the system for manual reprocessing.

Automatic assignment of internal recipients.

Linking to your ActiveDirectory or other employee databases enables automatic generation of a delivery note or label to be attached to the shipment. The generated barcode can then be used to record the shipment in the appropriate system. The collector receives a shipment notification and a collection code. This effectively saves costs and further optimises processes throughout the delivery and collection process.



Always deliver successfully.

Avoid multiple deliveries and optimise routes.

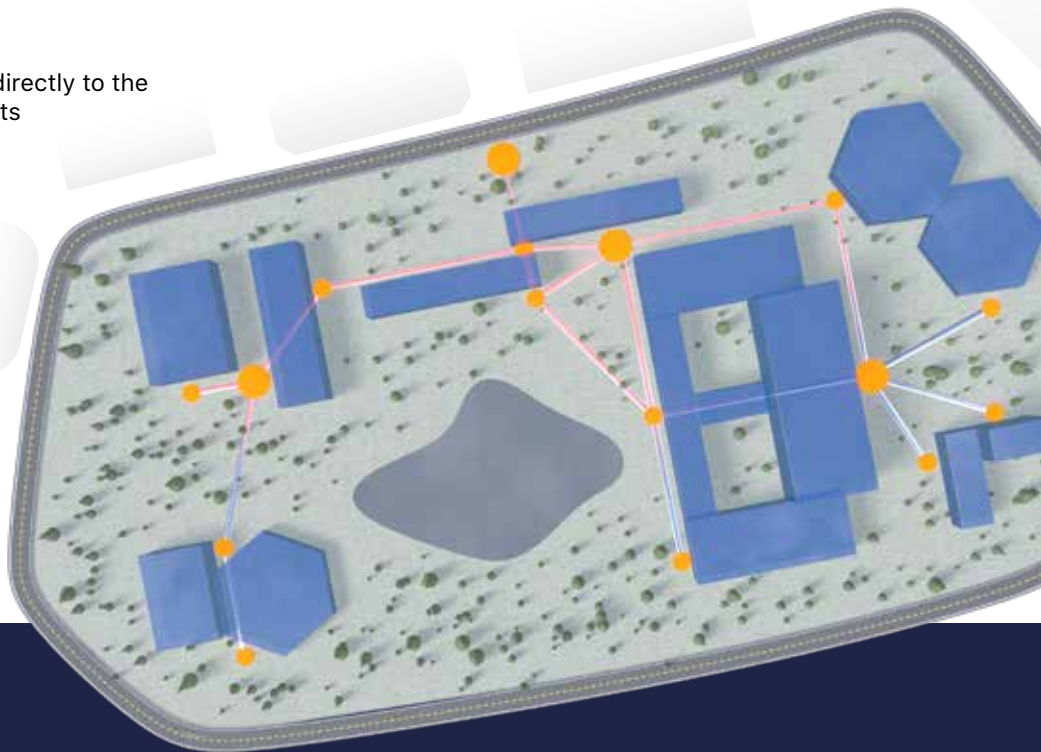
In many companies, it is a fact of life that mailroom staff have to go from department to department or person to person to deliver letters, parcels or internal mail. This takes a lot of time, as delivery trolleys have to be loaded and then pushed through sometimes narrow corridors. If a colleague cannot be found, the item is returned to the mailroom for another delivery attempt. This results in huge labour and transport costs, as well as a huge waste of time. With intelligent locker systems and Variocube's proven software, these scenarios are a thing of the past.

Desksharing and home office: decouple delivery/collection in terms of time.

Modern working models such as desk sharing, home offices or remote working often make delivery even more difficult. Employees are rarely in the office or no longer have a fixed place of work. To solve this situation, a Variocube solution can be used to receive the shipment at any time.

Secure pick up.

By using a unique collection code sent directly to the individual or employee ID card, shipments can only be collected by the recipient. This increases security, especially for confidential documents or hazardous materials. In addition, a tamper-proof log is created and stored in the background.



Right positioning shortens delivery routes.

Smart Locker systems are placed in high-traffic, central locations inside or outside the building. For example, in the foyer, near staff entrances, in circulation areas such as corridors, on each floor or near departments. Mailroom staff deposit items in the appropriate locker unit and colleagues can collect them at any time on their way to work or after a break. Retrofitting locker systems is easy. All you need is a 230V power supply and internet access via LAN or LTE.



Video

Scan the QR code now and watch the video.

Reliable software solutions.

With 20 years of experience and SaaS cloud solutions.

Variocube specialises in interdisciplinary SaaS solutions with a strong focus on modular and customisable locker systems. In order to achieve this, we draw on our more than 20 years of know-how. The development of our own software solutions, high quality Locker systems and cooperation with other manufacturers makes us an innovation leader. We deliver turnkey or customised solutions for your micro-logistics hub challenges.



Cloud Solution.

Our cloud solution reduces costs compared to on-premises solutions. The security of your data and the up-to-dateness of the software is guaranteed by the professional support of the ISO 27001 certified data centre. Cloud solutions are much less likely to be affected by disruptions or, in the worst case, can be quickly repaired. There is no additional burden on your IT, and you save staff and time. You get a secure, AES256 encrypted, reliable and cost-effective solution.



Interfaces

A wide range of interfaces enables integration with SAP, SCLogic, Pitney Bowes, various ERP systems, Active-Directory and many more.



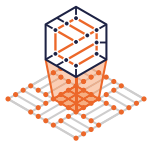
Multi-APP capable

Different Variocube apps can be installed on one locker system. Internal logistics, staff locker and Click & Collect can be operated simultaneously on one system.



Short latency

Our latency times are short, which means that compartments can be opened within seconds of the button being clicked, whether on the system, via a smartphone or remotely.



Different levels of integration

The customised applications can be run directly on the system or access our Cube App via your web application.



Developing your own applications

If required, you can also develop your own applications specifically for your needs and run them on the smart lockers.

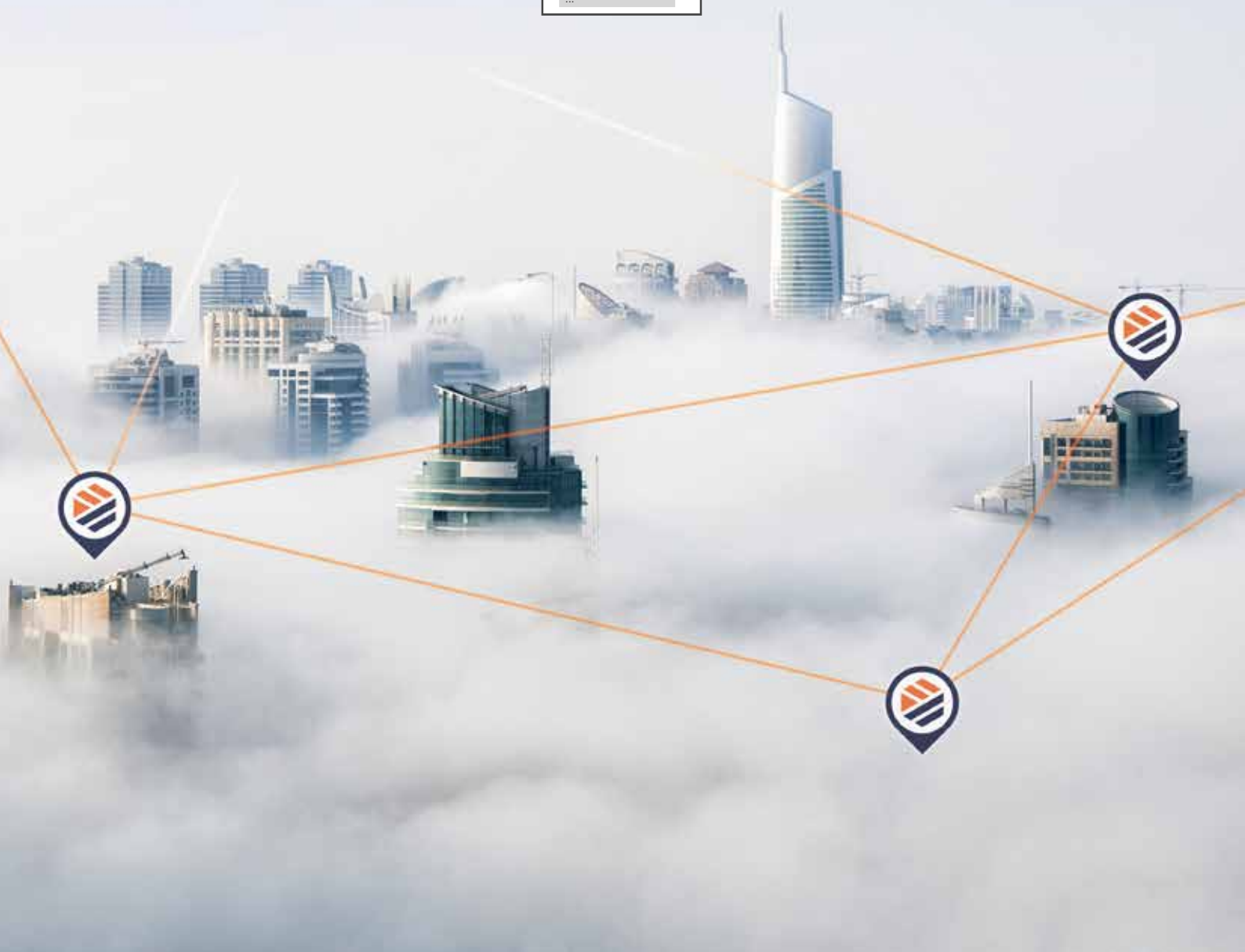
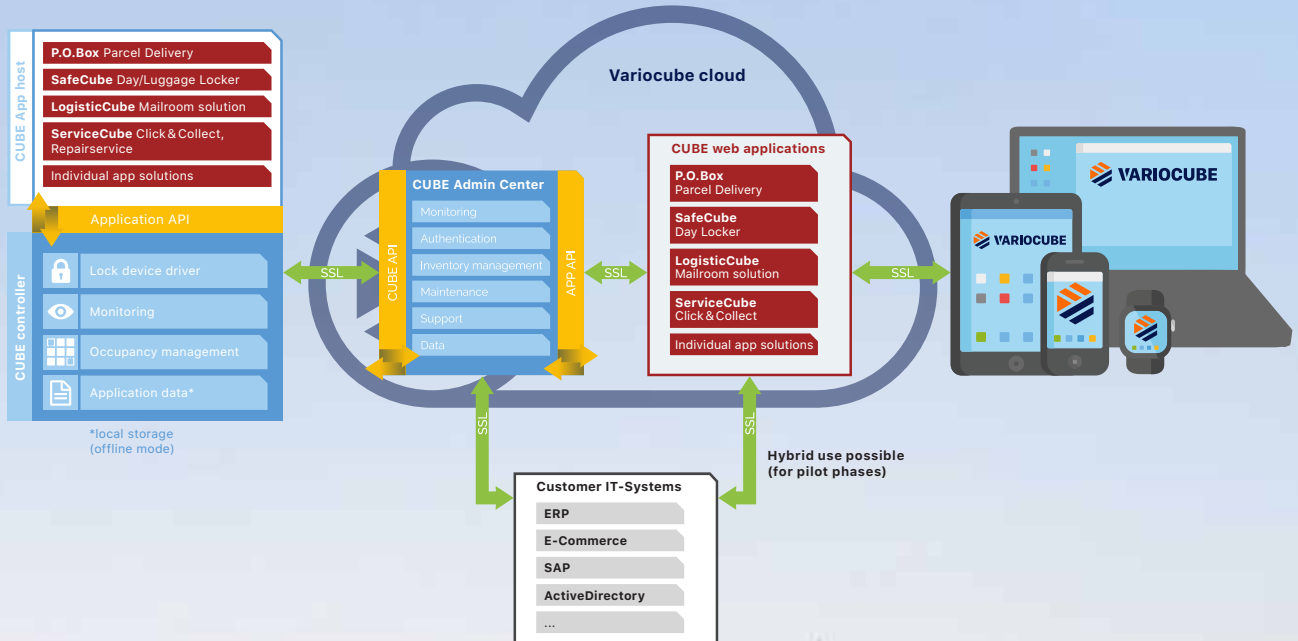


Administration tools

A wide range of administrative functions are available to administrators in the back-end.

VC Cloud Functionality:

Flexible software and API enables the connection of own applications.



Applications for LogisticsCube and smart locker systems.

Through a comprehensive analysis of your existing solutions and processes, we can tailor the LogisticsCube application to your exact needs. The combination of software and intelligent locker systems offers you a wide range of solutions and possible application scenarios, from simple receipt to distribution to employees, recording and digitisation. The interfaces give us direct access to employee and location data, eliminating duplicate maintenance and saving time and money.



Register & Deliver incoming mail and parcels.

Items are received in your mailroom and registered using a camera and OCR (Optical Character Recognition) software. They are then transported by your staff to the appropriate locker and deposited. By collecting all deliveries at the facility, the routes taken by mailroom staff are optimised, reducing costs and CO₂ emissions. Mail is collected using a unique delivery code or employee badge.



Internal mail and parcel delivery.

With one or more locker systems and the LogisticsCube App, internal mail and parcels can be sent to colleagues or departments at any time. With an interface to your ActiveDirectory or other employee databases, items can be announced in our system and then placed in a locker. The mailroom then simply transfers the items to the appropriate locker system and automatically notifies the recipient by email or SMS.



Outbound and returns processes.

It is not only possible to receive items via the system, but also to send them. The shipment is registered in the portal and stored in the locker system. Labelling and transfer to the carrier is handled by the mailroom. Returns are registered in the portal and processed centrally.



Digitisation of letters.

As well as hand delivery, there is also the option of digitising letters and sending them by email, with a scanning service provider and email them to the recipient. If the original is still needed, it can simply be retrieved from the archive using a timestamp.



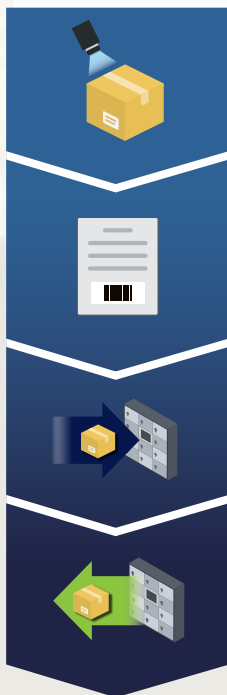
Video

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Incoming mail and parcels.

Record, distribute and deliver external shipments.



The process:

① Capture shipments (with OCR)

Items are captured as soon as they are received. The address label can be captured using a camera and OCR software. In addition to the recipient selection, other data such as registered mail number, parcel number, condition of the item, etc. can be recorded.

② Label generation

After capture, a label can be generated and printed. This contains a PO Box number and a barcode (transaction code of the item). The label can either be attached to the package or included as a routing slip.

③ Storage

By scanning the barcode at the appropriate locker, the package can be stored.

④ Pick-up

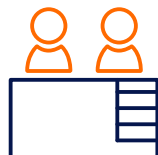
The recipient is then notified by email or SMS. He or she can collect the parcel at the machine using the one-time collection code or the employee ID card.

Your advantages.



Reduce delivery effort

By storing items in lockers at frequented locations, postal department employees no longer have to visit each colleague individually or take the item back with them.



Desksharing & Home Office

Our solutions are ideal for companies with desksharing/hot desks. The item is stored in the locker and the employee can collect it at any time.



Strategic positioning

Locker systems can be installed in central areas, staff entrances or other high traffic locations. All you need is a 230V power supply.

Internal mail and parcel shipping.

Send items to colleagues or departments.

The process:



① Create shipment

Employees have the possibility to make an internal shipment. To do this, they access the VC LogisticsCube portal. Through an interface to their employee database, the colleague can select or search for the recipient from a list. The consignment is then announced internally.

② Print internal routing slip

An internal routing slip is created, which the employee can print out directly or have sent to him/her by e-mail. The label contains all important sender and recipient data (including the recipient's P.O. box number) and the transaction code as a barcode.

③ Storage

The item is placed in storage at any P.O. box facility. All you have to do is read the barcode on the scanner of the system and a suitable box will open.

④ Transfer to another locker

The mailroom then receives information that an internal item is to be collected and distributed. The item can be collected by the mailroom employee and then stored again in the locker system assigned to the recipient by barcode scan.

⑤ Pick-up

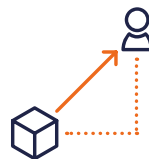
The recipient is then notified that the item has been received. He or she can pick up the item with the pick-up code or with the employee ID card. Once the item has been collected, the sender receives a delivery confirmation.

Your advantages.



Easy to use

Link to your ActivateDirectory or other employee databases for quick recipient selection and label generation.



Short distances

Items are deposited and collected at a nearby locker facility. There is no need to contact employees who cannot be reached.

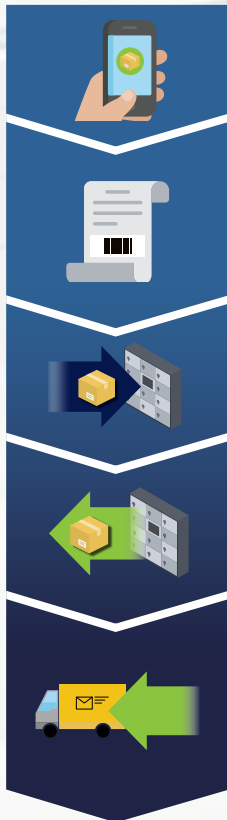


Time flexibility

Items can be dropped off and picked-up at any time, regardless of mailroom processing times or the presence of colleagues.

Outbound and returns.

Manage outgoing shipments and returns.



The process:

- ① Shipment registration**
Operational parcel shipping (including returns) can be initiated by clicking on the „parcel shipping“ button in the VC-LogisticsCube system.
- ② Print dispatch note**
A dispatch note is created on which the sender(s) and recipient(s) are listed and which also contains the dispatch transaction code as a barcode. The dispatch note is printed out on the office printer and attached to the parcel when it is placed in the P.O. box.
- ③ Storage of shipments**
For storage, only the barcode needs to be scanned. Dispatch works through any locker system.
- ④ Collection of the consignment**
After the mailroom has collected the shipment, the status of the shipment is recorded accordingly so that the employee can also see this in the VC-LogisticsCube system.
- ⑤ Handover to the carrier**
In the mailroom, the final shipping label is created and the tracking number of the shipping service provider is entered into the VC-LogisticsCube system. The shipment is then handed over to the carrier.

Your advantages.



Simple registration

The employee registers the items and consignments and indicates the recipient.



Transparent

The shipment status can be viewed in the platform.

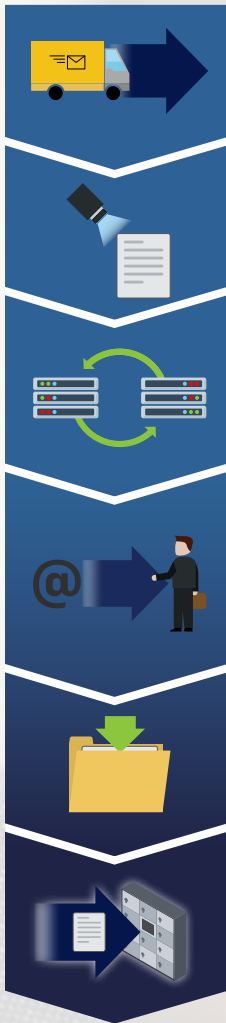


Clear identification

Sender and recipient can be read via QR- or barcode.

Digitisation of letters.

Capture and transmit the scanned letters.



The process:

- ① Delivery to a scanning service provider**

Digitisable items such as letters, registered mail and invoices are delivered directly to a scanning service provider. There they are opened and digitised.
- ② Document capture with OCR**

OCR software records the content and recipient of the item being scanned.
- ③ Transfer of the scan data**

The VC-LogisticsCube system provides an interface for the transfer of scan data, scan data (PDF) and the associated metadata of the scan software. Optionally, the scan data can also be transferred as a link (scan data is stored in the DMS and the data is stored in the DMS and the internal direct link is transferred).
- ④ Assignment and electronic delivery**

If the recipient can be uniquely identified by the automated system, the item is delivered electronically directly to the recipient. If an assignment is not possible, the item is submitted to the post office for processing in the system.
- ⑤ Document archiving strategy**

If the scanned files are not sent as links but as PDF files, an archiving strategy must be selected. This determines how long the files will be available in the system.
- ⑥ Request for originals**

When the originals are needed, they can be retrieved from the archive using a timestamp and distributed via the locker systems in the existing internal dispatch process.

Your advantages.



Reduce transport costs

Digitising letters means that less paper has to be transported. This saves time, costs and CO₂ emissions.



Central archiving

Originals are centrally archived. They are timestamped and can be removed at any time.



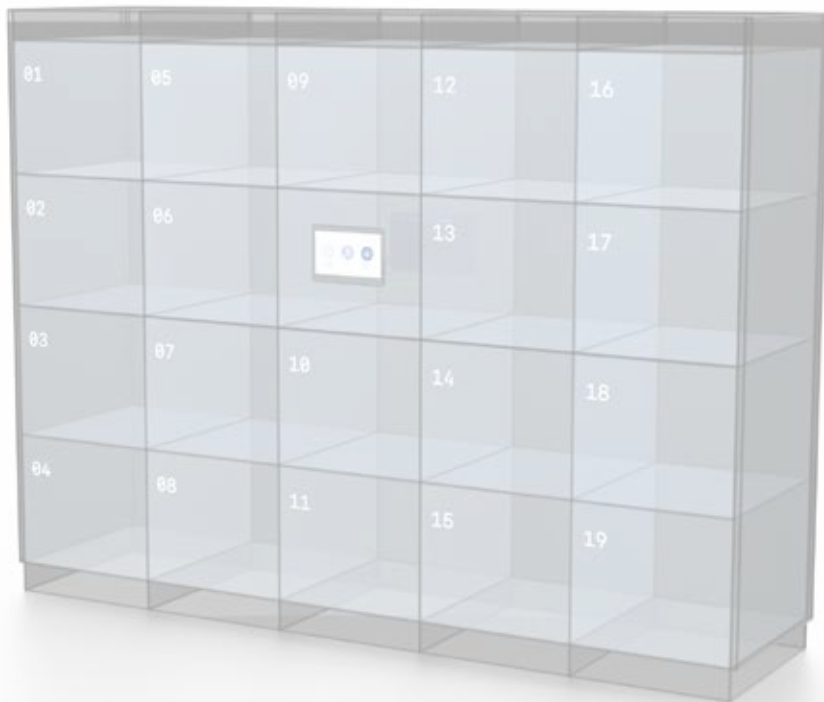
Assignment by OCR

The OCR software automatically identifies the recipients. Labels that are not unique are sent for manual verification.

Hardware.

Modular locker systems.

Our innovative, flexible and modular locker systems are designed and manufactured to the highest quality standards. You get a durable, robust locker system with a long service life and low maintenance requirements. With a wide range of locker and module types, integrated solutions for retrofit projects or systems with a high degree of customisation, we can offer you the right solution for your needs.



The electronic components used, such as the controller and touch screen, comply with industry standards to ensure a long service life. In addition, a variety of readers can be integrated as optional components to extend the use of the locker. Special controllers can also be used to centrally address and integrate external gate controls, lighting controls, alarm systems and much more for seamless operation.

And everything is made in Austria - so we meet the highest quality standards.



Terminal & industrial PC

Touch screen for intuitive operation. Industrial PC for long uptime. LTE router for communication, requiring only a conventional 230V power supply.



Locks & actuators

Durable, reliable, intruder resistant and industrial grade, it can also control door controls, roller shutters and more.



Modular structure

A locker system is made up of several modules, so the system can be tailored to your individual needs. This means you get the right locker sizes and the right total number of lockers.

VC ProLine Locker.

Locker system in industrial quality.

With a wide selection of module widths, depths and compartment heights, as well as different roof types, indoor/outdoor variants and options such as cooled compartments and much more, the VC ProLine offers a tailor-made solution for a wide range of customer requirements.

Thanks to the modular design and optional weather-proofing, the intelligent locker systems can be flexibly installed both indoors and outdoors. The modules can be combined to create a wide mix of lockers and to scale the number of lockers according to the number of users.



All that is required for installation is a 230V connection. The Internet connection is provided by the built-in modem and a SIM card. In addition, a LAN connection can be established in locations without a mobile phone connection.



Optional readers

Optional barcode, QR code and NFC readers can be used to make withdrawals and deposits.



Weather protected

The outdoor facilities are designed to prevent water ingress.



Eco roof option

This standard roof option enables cost-effective outdoor use.



Comfort roof option

A canopy of laminated safety glass and stainless steel beams protects the user and equipment from direct exposure to the elements.



Creative freedom.

There are (almost) no limits to the design of Variocube locker systems. Our robust metal surface can be coated in a wide range of colours or used as advertising space with stickers.

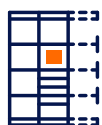
To integrate Variocubes seamlessly into your interior design, it is possible to have them custom-made by a carpenter. This gives you maximum freedom in the design and choice of materials for your installations.

VC OfficeLine Lockers.

Unlimited possibilities.

Variocube OfficeLine was developed in collaboration with a specialist furniture manufacturer with the aim of achieving maximum flexibility and customisation. Thanks to the cuboid-based grid, the modules can be flexibly combined to room dividers, wall panels or freestanding units.

You can choose from a wide range of decor colours and finishes, from solid colours, high gloss, matt and soft touch to realistic wood and stone imitations. Each system is individually manufactured for you and fitted with industrial grade Variocube electronic components. You get a highly customised locker system with all the technical and software options of Variocube.



Modular structure

OfficeLine is based on a basic cuboid and is available in various heights, widths and compartment divisions.



Design options

The surfaces can be chosen from a wide range of finishes: high gloss, matt, solid colours, wood...



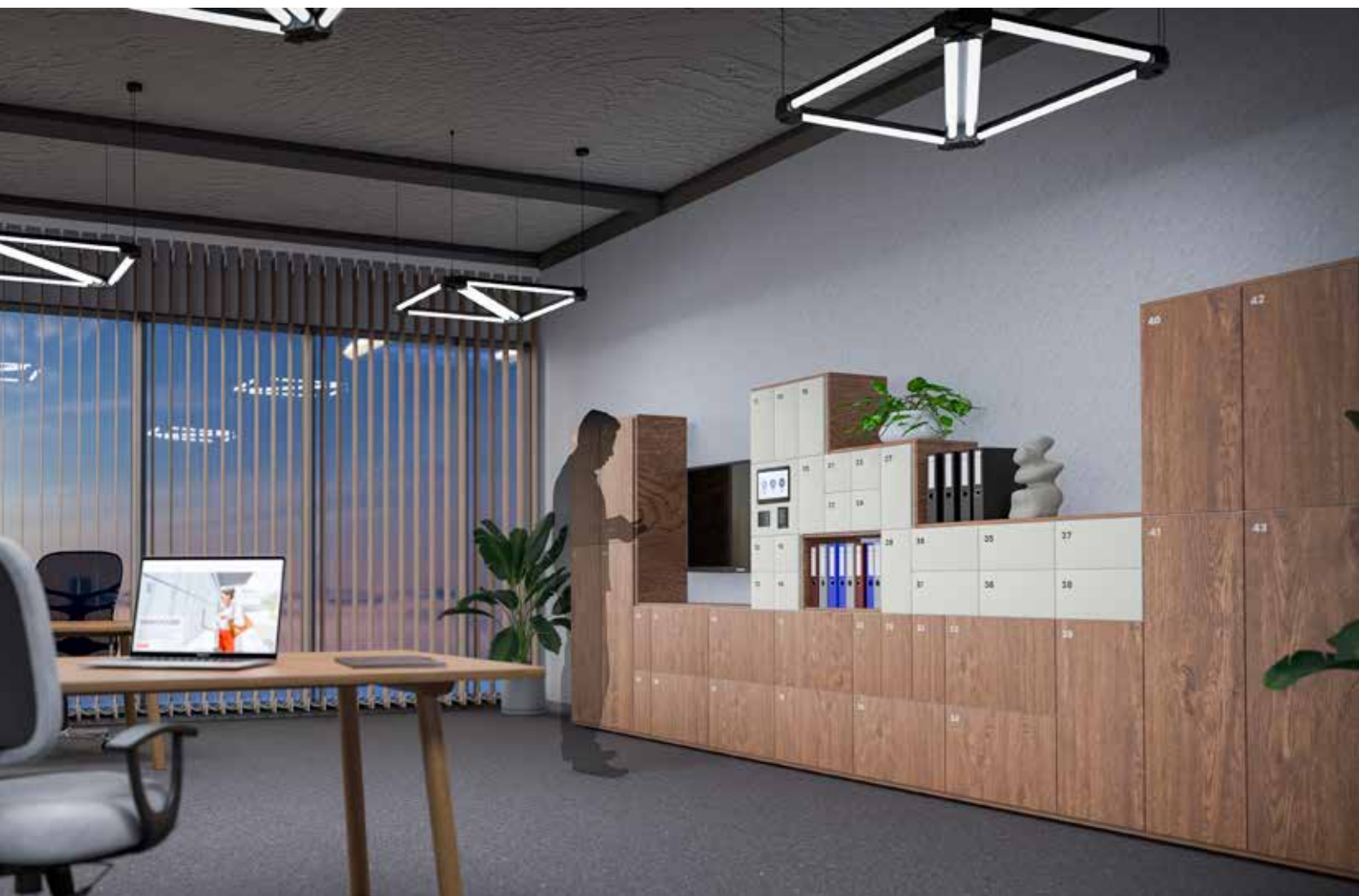
Perfectly coordinated

The wide range of design options allows seamless integration into your design concept and interior design.



Versatile

Whether as a wall unit, a room divider, a freestanding element or installed in a niche, OfficeLine adapts.



Variocube Integrator-Kit.

Perfect integration into the interior design.

By integrating Variocube hardware into bespoke furniture made by joineries and furniture manufacturers, not only can new locker systems be installed, but existing systems can also be retrofitted. This means that existing furniture and storage solutions can be equipped with Variocube's innovative components and software to meet your individual requirements.

In this way, the lockers fit perfectly into your design concept - for an elegant appearance without a break in style. The software and electronics are supplied by Variocube and are turnkey. This minimises the maintenance and installation effort.

Electronics & software integration:



Reliable customised solutions.

The combination of bespoke manufacturing, proven electronic components and software solutions gives you an unprecedented level of customisation.

Several LogisticsCube features:

For smooth processes in your internal parcel logistics.

The Variocube LogisticsCube platform offers many advantages over other solutions for internal parcel and mail distribution. This is made possible by a wide range of features and functions. On this page you will find a selection of the LogisticsCube features. For detailed information and additional functionality, please contact us for a no-obligation consultation.

Retrieving items to the mailroom

Items can be brought back to the mailroom. This can be done, for example, after the collection period has expired.

Handling returns

Goods returned to your company can also be recorded and processed.

Configurable additional information

Additional information such as dangerous goods, heavy goods, bulky goods etc. can be configured via tags.

Several lockers in the building/campus/cross-site

Shipments can be redistributed/transferred between different lockers within the company, even separated by location.

Shipment details via barcode scanning

Shipment details can be accessed at any time by scanning the barcode.

SCLoLogic integration

LogisticsCube can be connected to SCLoLogic.

SAP integration

LogisticsCube can be connected to SAP.

PitneyBowes integration

LogisticsCube can be connected to PitneyBowes.

Out-of-office assistant

New and already stored consignments can be diverted to alternative recipients for a certain period of time.

Redirecting shipments to departments

Shipments can be redirected from persons to departments.

Document shredding

Items can be sent directly for shredding via a selection in the portal.

Evaluation of unclaimed consignments

An evaluation of uncollected consignments can be created in the backend.

Simplified shipping process

The sender puts all the needed information into the system and attaches the delivery note. The Mailroom manages the dispatch tag and sends it to the courier providers.

Distribute to departments

The entire internal distribution process to departments can be mapped with LogisticsCube.

API specifications

Comprehensive documentation of our API is available.

Predefined recipients/processes

In the portal, predefined processes (document destruction, textile cleaning, transfer to departments, ...) can be directly displayed or suggested.

Splitting shipments

If an item consists of several parts that do not fit into one box, the item can be divided into several boxes. Only one collection code is transmitted.

Partial collections

If one or more shipments cannot be transported immediately, only parts of the shipment can be removed. The rest can be picked up at a later time.



More features in the demo appointment.

Want to see all the features and benefits of our smart lockers? We would be happy to show you everything in more detail in a personal demonstration.

Statistics

Numerous statistics and filter functions are available in the backend. (attachments, status, condition).

Manual handover

Manual transfers (Person2Person) can be carried out with or without the recipient's signature. This is suitable for bulky/heavy items.

Recipient search in the portal

In the LogisticsCube portal, you can search for recipients or groups of recipients.

User management

Administrators can manage user rights, add and remove users and manage rights. This is independent of the list of recipients.

SMTP integration

By integrating SMTP, system notifications can be sent via company email addresses.

Teaching of NFC cards/tags

The NFCs can be trained directly on the system by the users/administrators.

OCR label recognition

The labels of incoming shipments are captured directly in LogisitcsCube using a camera and OCR (Optical Character Recognition).

Hand over confidential documents

Confidential documents to persons or departments (legal/HR) are securely transferred to the recipients. All dispatch data is documented.

Add shipments in compartment

If an item is ready to be stored for a recipient, additional items can be added to the same tray at any time.

Configurable label

In the backend, the size and information contained on the label can be adjusted.

Automatic recipient assignment via OCR

After OCR capture of the label, the recipient is automatically assigned. Optionally, a consignment note is created and printed out.

Configurable notifications

The notifications sent by the system can be customised in the backend.

Import of recipient data incl. NFC

The recipient data can be imported via a .csv file. This list can also contain data from NFC cards.

Single Sign On (SSO)

An SSO function is integrated in LogisticsCube.

Automatic deletion periods for consignment data

The period of time for which the consignment data is saved can be set in the backend.

Security features

Automatically generated admin codes, data sovereignty with the operator/customer, DSGVO compliance and encrypted data transmission are just a few examples.

Locker-to-Locker transfer

Consignments can be transferred/transferred from one Locker to another. Also between buildings, locations.

Data sovereignty with operator(customer)

Data sovereignty (recipient/user data) lies with the operator/customer. Variocube does not collect data for analysis/marketing purposes.

Turn-Key System solutions for web-enabled lockers.



The latest web technology and innovative locking systems paired with modular locker systems.

- Modular and adaptable.
- Cloud-based, using state-of-the-art technologies.
- Easy to integrate into your IT.
- High security due to well thought-out system architecture.
- Can be individually planned as furniture by architects or designers.
- Versatile use thanks to different compartment sizes and multi-app capability.
- Independent due to use of LTE connection, only 230 Volt socket is required.

