GOLDBECK

Multi-storey car parks



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No barriers to car park construction

Mobility is changing and with it, the role of the multi-storey car park. What was once a purely functional building is becoming a dynamic mobility destination that opens up new possibilities for cities and communities. The car parks of the future combine impressive architecture, smart technology, sustainable concepts and integrated services.

As specialists in multi-storey car park construction, we support you throughout every project phase. Discover what lies behind our façades and experience the limitless possibilities of car park construction.

Multi-storey car parks

GOLDBECK – The Original

Today's multi-storey car parks do more than ever before. They enhance their surroundings and integrate new mobility concepts. At the same time, you are under increasing pressure to deliver projects on time and within budget. A compelling reason to choose GOLDBECK, the original in car park construction.

With many years of experience, we design and build customised multi-storey car parks using a systemised approach. This makes construction fast, delivers consistently high quality and enables competitive pricing. As we also operate car parks ourselves, we understand what matters in everyday use. We apply this knowledge directly to the ongoing development of our car parks, allowing us to offer you future-proof solutions at all times.

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01

Your benefits with the original

Quality at every level.
Our experience is your advantage. More than 40 years of experience in multi-storey car park construction, over 1,300 completed properties and our expertise in parking operations make us the market leader in multi-storey car park construction. Our construction system combines industrialised production with continuous innovation to deliver consistently high quality and lasting value throughout the life of your building. In doing so, we set benchmarks for an entire industry.

Excellent value for money.
You benefit from cost-effective and efficient planning from start to finish, throughout the building's life cycle. GOLDBECK multi-storey car parks are not only cost-efficient and sustainable in construction, but also in operation. This helps minimise environmental impact while delivering long-term value.

Take the fast lane.
Expertly planned, quickly manufactured, delivered just-in-time and professionally assembled, all from a single source. This delivers the shortest construction period, allowing you to generate revenue from your car park sooner.

Setting the standard in car parks.
High quality, competitive pricing
and fast delivery – as standard.



Meeting every need: Our multi-storey car parks

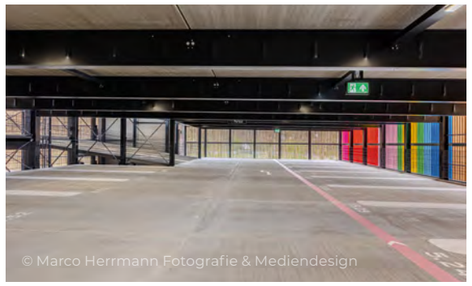
Every journey is different, whether it's commuters heading to work, residents returning home, rail passengers catching a train or patients attending appointments. That is why we develop multi-storey car parks that are tailored to your location and its users. With GOLDBECK, people reach their destination quickly and safely.

// **Staff car parks**
Make the start of the working day as seamless as possible. Clear guidance, short walking distances and electric vehicle charging facilities help employees arrive and park with ease.

// **Residential car parks**
By bringing parking together in one place, residential developments can reduce on-street parking and create more space for people. Combined with car-sharing and cycle storage, this helps make neighbourhoods more attractive and liveable.

// **Public car parks**
At the heart of city life, our public car parks are well connected to bus and rail services. Bright parking areas and façades that blend into their surroundings and help them to meet urban development requirements with confidence.

// **Hospital and university car parks**
When every minute counts, customised signposting, accessible entrances and direct routes provide reassurance, even in busy and stressful situations.



Staff car park, Ernsting's Family, Coesfeld


Residential car park, Biehlweg, Hamburg

GOLDBECK is your trusted and experienced partner, including for public-sector construction projects. We provide a fully integrated service, from tender and design through to turnkey delivery. Our single-source approach simplifies project delivery by removing the need to manage multiple contractors while providing programme certainty and cost control.

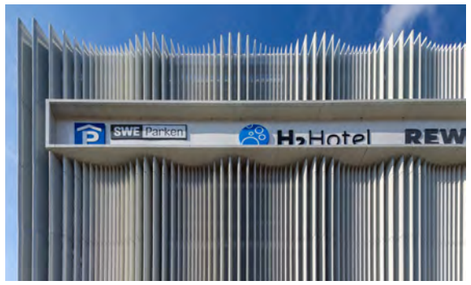

Park-and-ride car park, Gateway Gardens, Frankfurt am Main

// **Park-and-ride car parks**
Designed for smooth onward travel, our park and ride facilities guide drivers directly to an available space and provide quick, convenient access to the station or airport.

// **Customer car parks**
The customer journey starts before the entrance. Generously sized parking bays make loading and unloading easier, while clear wayfinding supports a smooth arrival.

// **Van Parking**
Keeping streets clear overnight. Wide parking bays, ramps designed for larger vehicles and generous access routes provide the space commercial vehicles need.

// **Vehicle storage**
Designed for efficient vehicle storage across multiple levels. Multi-storey parking systems save valuable space through optimised routes and efficient manoeuvring processes.



Customer car park, Am Hirschgarten, Erfurt



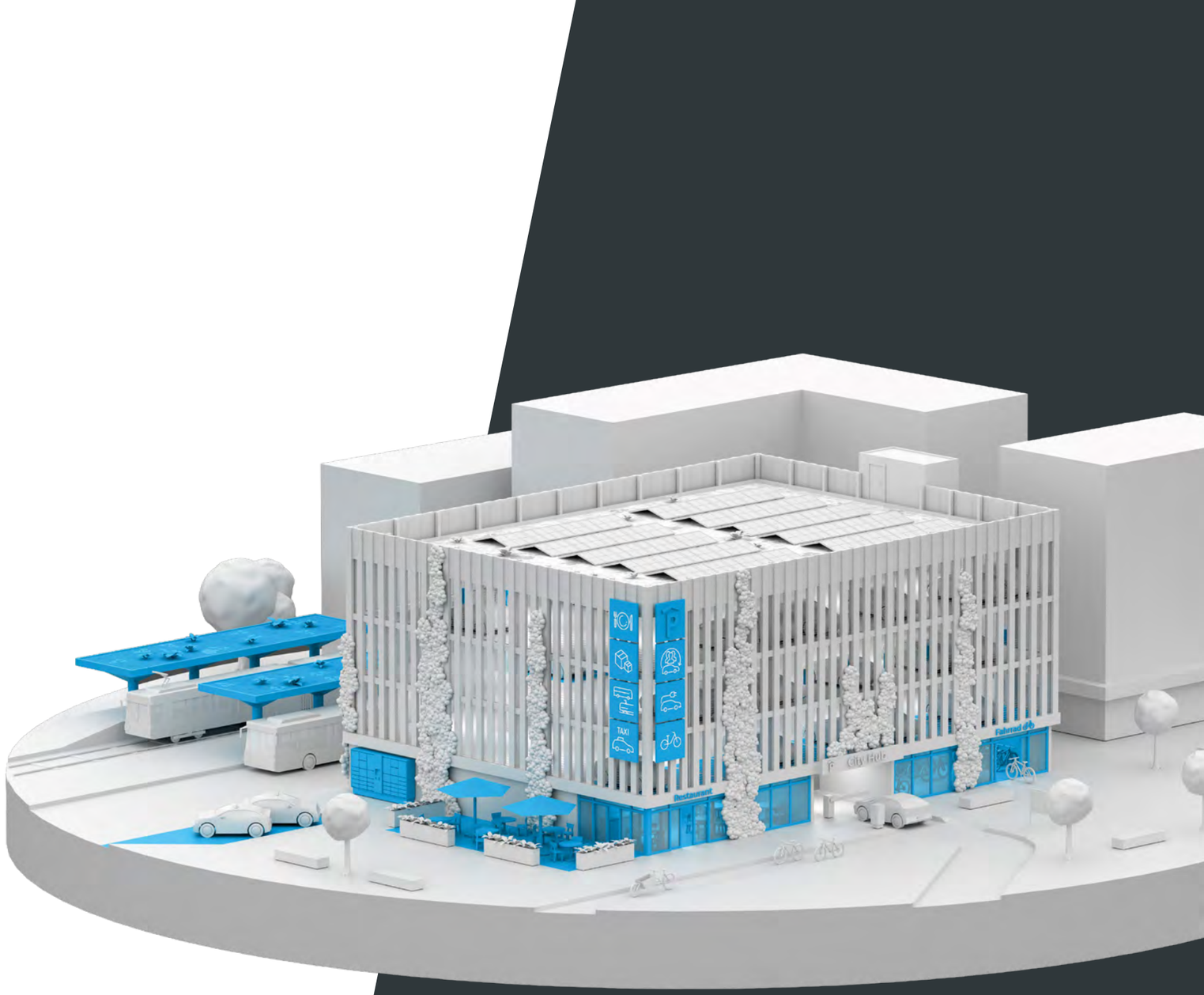
University car park, Westerdijk, Leiden

The future starts here:

Mobility Hubs

The city is growing and mobility needs are changing. To reduce emissions and improve quality of life, the mobility transition needs spaces that bring different modes of transport together.

We develop multi-storey car parks into Mobility Hubs. They combine car and bicycle parking, shared mobility services and public transport in one place. This makes onward travel quick and convenient. Electric vehicles can be charged while parked and digital booking systems make use simple. WiFi, meeting areas and additional services such as kiosks or bicycle servicing add further value and make the hub an attractive place to use.



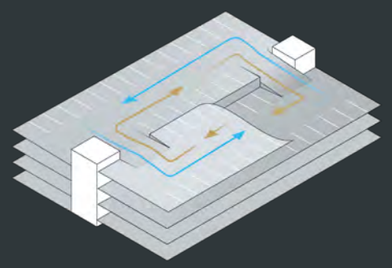


As a client and operator, you benefit from stable capacity utilisation and additional revenue opportunities. The climate benefits too: from multi-storey construction as well as from the increased use of bicycles, rail and buses. This reduces soil sealing and saves CO_2, while congestion and noise decrease. The result is a tangible improvement in the liveability of cities and districts.

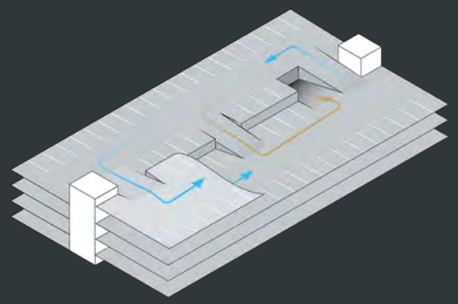
Ready for the future of mobility?

Our Mobility Hubs bring together a full range of urban mobility solutions in one place. Make the move today.

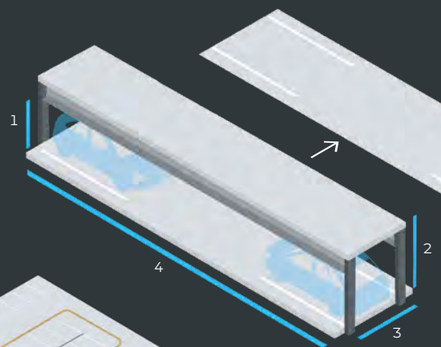
Split level with two-way traffic
Cost-effective solution for small and medium-sized car parks, particularly staff car parks



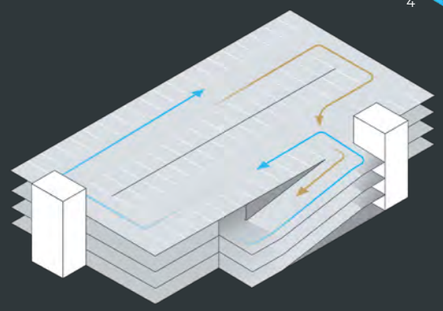
Split level with one-way traffic
An optimised ratio of circulation space to parking spaces makes this a particularly cost-effective solution



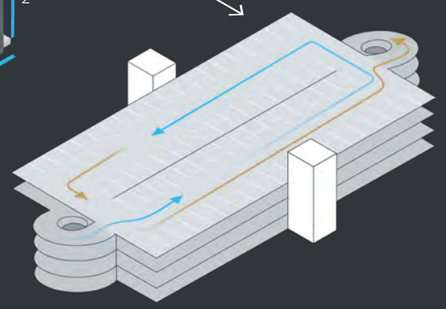
1 Clear height: 2.1 m
2 Storey height: 2.75 m
3 Parking space width: 2.5 m/2.7 m
4 Level width: 16 m



Entry route
Exit route



Full storey with straight ramp
Short distances to available parking spaces



Full storey with spiral ramp
Direct access to an available parking space and easy to use – ideal for car parks with approximately 800 parking spaces or more.

Innovative, unique and durable: The coating-free concrete ceiling slabs are the heart of the GOLDBECK system. Designed to withstand temperature fluctuations, frost, de-icing salts and oil, they are also particularly low-maintenance. From the outset, we focus on keeping maintenance requirements – and the long-term costs of your new multi-storey car park – as low as possible.

Design that moves people

Good architecture starts with well-planned traffic management and a user-friendly construction method. Whether split level or full storey, we design your car park to suit the site, number of parking spaces, frequency and use. Straight or spiral ramps connect the levels. A range of parking space widths, optimised traffic lanes and generous clear heights make the car park easy to use and cost-effective. Durable, slip-resistant surfaces help keep your multi-storey car park safe and accessible in all weather conditions. The parking area is bright, column-free and clearly structured. This clear layout allows architecture and technology to work together seamlessly. The result is a distinctive building, architecturally precise and tailored to your needs.



More than just a façade: An architectural statement that adds value

The façade gives your multi-storey car park its identity and helps shape the character of its surroundings. Whether purely functional or architecturally distinctive, it offers a wide range of possibilities in terms of colour, form and material. From perforated sheet metal and cassettes to vertical and horizontal fins, clinker brick slips and greenery, we tailor the building envelope to your requirements.

We meet urban planning requirements down to the last detail. But a façade is about more than appearance: our solutions address requirements relating to noise control, glare control and fire safety and can even generate electricity. With integrated photovoltaic modules, it becomes a source of renewable energy. The result is a façade that protects the building, enhances the cityscape and delivers more than visual appeal.


© Uwe Zahn


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Our customised solutions for entrance areas and stairwells give you further design flexibility. You decide what your stairwell should look like: purely functional or architecturally distinctive, open or clad, with or without a lift. Carefully designed, it becomes a striking feature of the building.

We regularly deliver projects in collaboration with independent architectural and design firms, involving them as equal partners throughout the design and coordination process.

Do you already have a design from an architectural practice you trust? Let’s talk!



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With GOLDBECK, you create a parking experience that people will want to return to time and again, while tailored features help reduce operating costs and minimise environmental impact.

Comfort on every level: Tailored features

Your car park users want to arrive quickly, find their way easily, feel safe and leave without stress. Our features and facilities are designed around these needs.

// Comfort begins at the entrance: the barrier opens automatically using number plate recognition.

// Digital space-availability displays guide users directly to an available parking space. Clear colour coding and signage make it easy to find their way around.

// An energy-efficient LED system developed specifically for GOLDBECK illuminates the car park evenly. By reducing glare and eliminating dark corners, it creates a pleasant and secure environment.

// Users can charge their vehicles while parked. The charging infrastructure can be expanded as demand grows and, if required, combined with photovoltaics on the roof or façade.

// Leaving is just as easy: users can pay by contactless payment or be billed automatically. The barrier opens using number plate recognition, just as it did on entry.



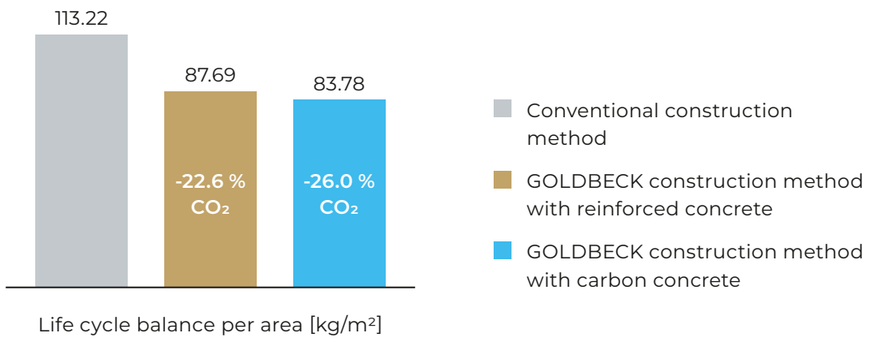
Less material, lower carbon impact

The difference is clear at first glance: our system uses less concrete than traditional methods. It's prefabricated components are significantly slimmer than those used in conventional reinforced-concrete structures, while delivering the same structural performance. To verify this, we put our system to the test with the help of independent experts.*

The result? Compared with conventional methods, the GOLDBECK system reduces CO_2 emissions from a reinforced-concrete multi-storey car park by more than 22 per cent.

By using carbon concrete, this reduction can increase to as much as 26 per cent.

CO_2 emissions by construction method
across manufacturing and disposal



Life cycle balance per area [kg/m²]

*More on the construction method comparison



Car park slabs and beams are only the starting point. Photovoltaics, green roofs and façades, as well as other sustainable measures such as the use of CO_2-reduced steel, have not yet been included in the construction method comparison and can further reduce the carbon footprint of your multi-storey car park.

Sustainability made simple

Our Blue Buildings

To make the design of your sustainable car park as straightforward and efficient as possible, we have developed Blue Buildings – our holistic concept for sustainable buildings using the GOLDBECK system.

Our preconfigured Blue Building and Blue Building Premium options bring together a range of sustainability measures in clearly defined packages. Both are aligned with recognised ESG standards and cover seven key sustainability criteria. Blue Building focuses on optimising whole-life costs, while the Blue Building Premium is designed to deliver the best possible sustainability performance.

This approach provides you with a sound basis for informed decision-making and an ideal starting point for the design of your building. We offer expert advice on every aspect of the project, helping to identify your requirements and working closely with you to develop a building that meets all regulatory requirements as well as your sustainability objectives.



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Our Blue Building criteria



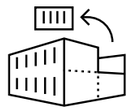
EU taxonomy alignment



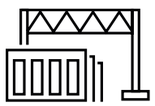
DGNB certification



Comfort & health



Circularity



Material efficiency



Biodiversity



Carbon footprint

Your individual sustainability concept

Whether you choose a standard Blue Building design, a solution tailored to your needs or a fully bespoke building, we bring together every decision made during the sustainable planning process into a comprehensive sustainability concept. This gives you greater certainty throughout the planning process and an early indication of your building's expected sustainability performance.

If required, we can also support you in achieving DGNB certification and manage the associated documentation on your behalf. The GOLDBECK system's existing certifications help make DGNB certification for car parks more straightforward and cost-effective.

References

Parking designed to impress

There are more than 1,300 GOLDBECK multi-storey car parks across Europe. Each one is designed to meet the specific needs of our clients and the people who use it.

We deliver these bespoke multi-storey car parks quickly and efficiently, combining high-quality, cost-effectiveness and certified sustainability. Discover how our intelligent building system combines architectural freedom with efficient delivery.

Central Quay car park
Cardiff, United Kingdom
681 parking spaces

// Façade: Illuminated perforated sheets
// Enhanced mobility: bicycle parking spaces, electric charging points, taxi station, connection to the main railway station
// Integrated special areas: ticket centre, sanitary facilities, retail

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Car parks that are going your way

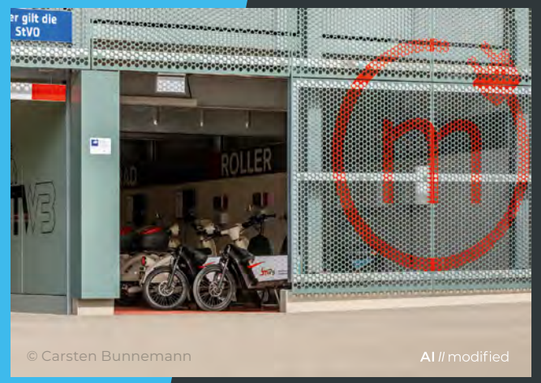


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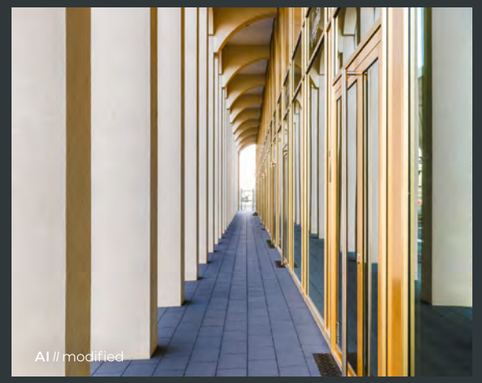
Lagarde Campus residential car parks
Bamberg
250 parking spaces

// PV system
// Façade: perforated sheets and profiled construction glass with greenery
// Enhanced mobility: electric charging points, mobility station including for electric cargo bikes, e-scooters and car sharing



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Car park at the long-distance bus terminal
Bremen
500 parking spaces

// Construction and operation by GOLDBECK
// Façade: fair-faced concrete elements
// Enhanced mobility: bicycle and e-scooter parking spaces, electric charging points, connection to the long-distance bus terminal
// Integrated special areas: ticket centre, waiting area with sanitary facilities, bicycle hire



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About GOLDBECK

We’ve got your back

Working with GOLDBECK to build, operate or refurbish your building means you can rely on reliable delivery, cost certainty, high quality and sustainability. By using Building Information Modelling (BIM), we create a digital model of the project, helping us identify and resolve challenges early, both during construction process and throughout its operational life. As a trusted partner, we give you the confidence to focus on your core business.

// **Coordination and information hub**
Coordinating all project disciplines and providing comprehensive information through a point of contact

// **Single point of responsibility**
Single point of contact for costs, programme, quality and defect management

// **All services covered by one invoice**
Full responsibility for all design and construction work, with everything covered by a single invoice

// **Early cost certainty**
Greater cost certainty from the outset, with pricing based on the agreed design and performance requirements

// **Supporting regional economy**
The majority of construction work is delivered by regional subcontractors, supporting local businesses and communities

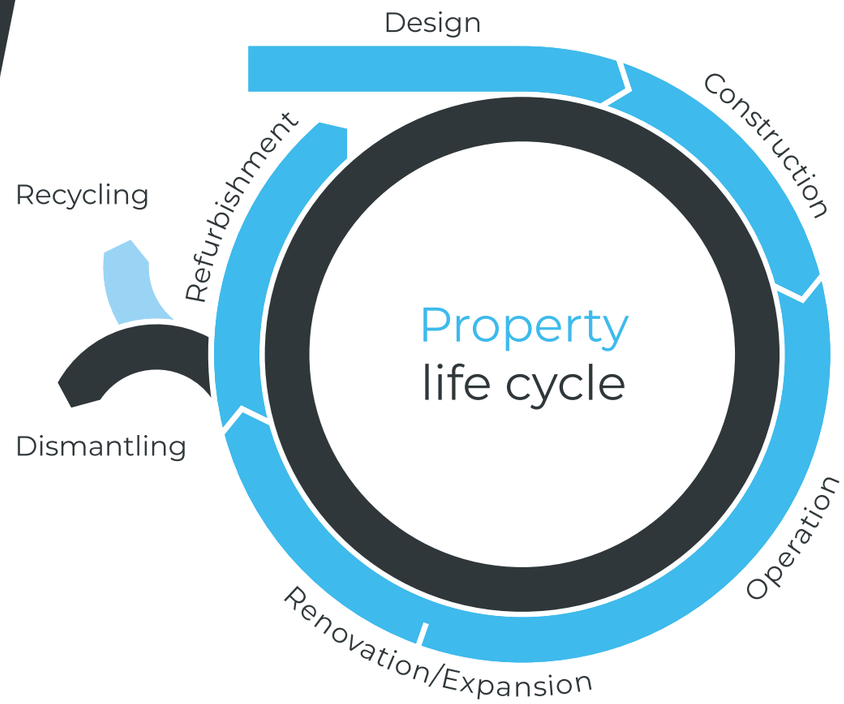
From design to dismantling: All services from a single source

Design
When building or refurbishing a property, many complex issues need to be considered for the right decisions to be made. We provide you with comprehensive and expert support at all stages of your project – from the first draft to the execution design. When it comes to the specialisms required to successfully design a property for you, we have everything we need in-house: Whether it's civil engineering and free area planning, structural engineering and architecture, mechanical and electrical equipment, energy or sustainability management. We develop bespoke, contemporary building and usage concepts that perfectly meet your individual requirements.

Construction
Element-based construction with a system means customising everything that can be seen and systematising everything that can't. We prefabricate key building components at our plants and then assemble these into turnkey buildings on the construction site. This provides consistent quality, makes construction less dependent on weather conditions and reduces resource consumption and emissions – while also supporting schedule and cost certainty.

Operation
Anyone who builds or buys a building wants to know that their investment will be secure in the long term. As a partner throughout the entire life cycle of your property, we remain at your side even after the keys have been handed over. Our building-related services bring together the expertise of all our divisions, including Property, Facility, Parking, Refurbishment Services and Sustainability Consulting, as well as fire protection.

Existing building refurbishment
Is your property showing its age, but boasts an excellent location? We're here to help with that, too. Our experts develop tailored solutions for architectural, functional and energy-efficiency refurbishments. Whether it's gutting and redevelopment, additional storeys, renovation or a change of use, we provide all services. This is how we create optimised residential, commercial and municipal buildings that are designed to remain fit for purpose for years to come.



GOLDBECK delivers tailored building solutions for every client, from medium-sized businesses and large corporations to investors, developers or public-sector organisations. Our portfolio includes logistics and industrial buildings, multi-storey car parks, offices, schools, residential buildings, sports halls and rescue and safety buildings. We also design and deliver data centers. Refurbishment projects and building-related services complete our portfolio. With an extensive network of locations across Europe, we are always close to you and your project.

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