GOLDBECK
Multi-storey Car Parks

cost-effective user-friendly durable
GOLDBECK has been building multi-storey car parks for over 25 years. Approximately 600 car parks with a capacity of 220,000 spaces have been completed throughout Europe using our system. We are proud to have hundreds of satisfied clients and proud that thousands of users enjoy driving into our user-friendly car parks every day. Our success is based on highly skilled, committed and experienced teams delivering the projects. Our development teams are constantly working to improve the system, its specification and its details to make it even more cost-effective and user-friendly. System building is the key to our success.
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Integrated Systems

User-friendliness can be planned

What makes a multi-storey car park particularly user-friendly? Our answer is: Functionality. In order to achieve this, GOLDBECK operates on the principle of a “one-stop solution”. Our entire engineering services are provided by our in-house departments. We also manufacture the key steel and concrete components in-house. Our own teams assemble our car parks on-site. By minimising interfaces we achieve a well coordinated management of the project – from inception to completion. We can demonstrate the optimum benefits with regard to investment and operating costs. We use the most up-to-date parking space management technologies. This adds up to a comprehensive, all-encompassing package that is hard to beat.

- Competent advice
- Individual planning and design
- Interdisciplinary team
- Fast turnkey execution
- High level of cost-effectiveness and quality
- Contact person on-site
Split Level Car Park
The most used multi-storey car park layout. This arrangement minimises the amount of circulation space. There are various options for the arrangement of ramps. Split level car parks can be extended up to three or four aisles.
Traffic management

Well-defined

Safely and quickly to a parking space and quickly back on the road again. That is what the customers want. This can be attained in a well thought-out multi-storey parking system. Whether a split level or full storey parking levels (depending on size and usage) the traffic management should be instinctive. Good visibility, short travel distances and a good safety concept are essential. GOLDBECK car parks have the advantage here due to their support-free and column-free parking levels, their user-friendliness and their transparency.
Flexible arrangements

Perfectly coordinated

Driving a car, experiencing mobility, getting to where you want to go quickly and then being slowed down when it comes to finding a parking space. We all know this scenario but no of us wants to experience it. Employees, cutomers, travellers, visitors: all of them need quick solutions. GOLDBECK car parking systems have been tried and tested a hundred times over and proven with regard to very different uses. The flexibility of our car park layouts ensures that they can easily be combined with other uses – from restaurants to retail shops. And thanks to clever design ideas it is not just the inner life but also the outside view that fits into any surroundings.
GOLDBECK Multi-storey Car Parks | 02 Construction with a system
Having completed hundreds of car parks, we know what we are doing and how to do it. The GOLDBECK system has been thought through to the last detail and is permanently being developed according to market and regulatory requirements. The system evolves to meet the requirements of modern car park construction. The standard, basic module is 16.00 m wide comprising two 5.00 m deep parking bays and a 6.00 m wide traffic lane. The parking bay width is 2.50 m, giving a bay size of 2.5 × 5.0 m. The minimum clearance height is 2.10 m and the car park storey height is 2.75 m. Columns are positioned at all four corners of the 16.00 m × 2.50 m parking module. This configuration results in a user-friendly parking deck, without columns, allowing for easy manoeuvrability and the modules can be placed in a row to create a parking deck of any desired length.

- Proven system solutions instead of single components
- User-friendly realisation
- Customisation regarding use and design
- Continuing on-going development
The GOLDBECK structural system
The externally positioned supporting steel columns extend over the entire height of the multi-storey car park. The 16.00 m long deck support beams are placed between the columns, 2.50 m apart. The basic measurements of the concrete deck slabs are 8.00 m × 2.50 m. The joints between the prefabricated concrete components also serve as the markings for the traffic lanes and parking spaces.
Our steel and pre-cast concrete supporting structure has a slender appearance creating a pleasing architectural impression. This ensures that GOLDBECK car parks are bright and friendly thereby creating a feeling of safety and security. The deck slabs are technically fully-developed and well-engineered. They are highly resistant to mechanical and thermal stress, frost and de-icing salt and do not needing any coating. Therefore, they are especially low-maintenance. This product is only available from GOLDBECK – and is a result of our intensive development work.

- High quality through our own production
- Exclusive to GOLDBECK:
  Coating-free deck slabs with a structured or smooth surface
Steel support beams are manufactured in our own factories – as standard components, not specifically for a particular project.
In-house production and assembly

High quality – from our own production

We manufacture steel beams, steel columns and pre-cast concrete slabs in our own factories, always under the same conditions. We work independently of the weather and with uniform materials. Our production processes have been standardised and perfected with use. Consequently, we consistently produce high quality products. Controlling our own production ensures that we can rapidly respond to future requirements. This control allows us to continually improve our systems and to pass on the advantages to our clients.
A special coarse and textured surface to the ramp slabs ensures slip resistance.

Special transition curves in the pre-cast concrete ramp slabs ensure increased driver comfort.
Ramps
On the right track

The ramps are the most sophisticated construction elements within the parking decks. Their quality, form and width are the key factors that decide if a multi-storey car park is comfortably negotiable. Therefore, our special focus is on their user-friendliness. Whether the decision is for split level, full-level or circular ramps – the transition curves in GOLDBECK car parks are always the same, both comfortable and vehicle-friendly. The reason: Due to the controlled production processes in our factories, the concave and the convex forms are always identically manufactured.
GOLDBECK Multi-storey Car Parks | Construction with a system
Entrance areas

The selling point of a multi-storey car park

Entrance areas are the connection between the car park and its surroundings. They are the parts of a car park that is noticed directly by its users. Here the vehicle is not the centre of attention; here the requirements of pedestrians are the main consideration. Here users should feel comfortable, safe and in good hands. Well-designed entrances and staircases become the selling point of a car park. Colours, forms and materials can make every single car park distinctive and provide a lot of room for individual design possibilities. Let us work together and bring your ideas to fruition!
Aluminium glass doors help to provide an open design and increase the feeling of safety and security.
Staircases

Bright and appealing

Open or with cladding? With or without a lift? Steel or aluminium glazed doors? All GOLDBECK options are economical and the same applies to our staircases: Our own production ensures a very good price-performance ratio. Thanks to a modular construction design, every staircase can be easily and ideally integrated into the overall concept. The external façades can be customised to suit the overall architectural design.
The use of various materials, forms and colours creates many design possibilities for creative façade architecture.
Façades

Individual and attractive

Clothes make a statement – and a façade can also be a statement! From simple and elegant to expressive and extravagant – there are no limits as to one’s architectural wishes. The functional building that is a car park gets its individuality from its façade. GOLDBECK offers a wide variety of options when it comes to façade variants, including urban development requirements, adjusting into historical surroundings and the image of your company. Options also take account of requirements for noise and glare reduction and fire protection. We would be delighted to develop a new façade type for you!
Parking guidance systems with a single space monitoring can be implemented for complex car parks.
Good signposting is essential in car parks. We have created the GOLDBECK signposting concept for car parks that can be adapted to suit local requirements, regulations and language. Our signposting is easily recognisable, self-explanatory and co-ordinates with any installed guidance and control system. Colours, numbers and symbols can be used to produce a one-off customised solution. The combination of colours, numbers and symbols has proven to be particularly valuable for effective orientation. The slender and open GOLDBECK construction system guarantees a transparent appearance.

Orientation

Seeing and immediately understanding
The parking lens that was especially developed for GOLDBECK illuminates the parking space in an optimum manner and ensures that there is no glare in the carriageway lanes.
Lighting

Well lit, safe and secure

Lighting is safety – both sensed and objectively. In every car park pedestrians and vehicles meet up and good bright lighting helps to ensure that accidents are prevented. GOLDBECK can offer long-life, energy-saving LED lights produced by HELLA. These lights were developed in close collaboration for use in GOLDBECK multi-storey car parks. Clients are protected in that each light has a 5 years warranty and delivery is guaranteed for 20 years. Anti-glare protection is not necessary as the LEDs give light without any stray light loss.

The comparison makes it clear: LED lighting is a worthwhile investment in the long term.
The energy self-sufficient car park

The future has already started

The energy self-sufficient car park is not just a vision of the future. The combination of building-integrated solar power systems and electric car charging points already offers a high economic potential today. In addition, the use of wind energy will play a role in the future. Renewable energy sources lead to independence and contribute to sustainability. GOLDBECK can provide you with a one-stop solution – you can get both: a multi-storey car park and a renewable power supply system. Our specialists are at your disposal with their comprehensive know-how.
Parking space management

The frequency decides

A good car park is more than just a space to park your vehicle. It is a well thought out, user-friendly system that allows for a comfortable operation as well as economical management. It includes reliable guidance and control equipment. This equipment can record and differentiate user data depending on the size and the use purpose and can process this data so that it can easily be statistically reviewed. Only a clean and technically fault-free car park gives the users a feeling of safety and security.

The automated pay machine is the centrepiece of parking space management.

A clean car park builds user trust.
As an owner-operated group of companies, GOLDBECK stands for and embodies real life values. Humanity, a commitment to performance and responsibility are the foundations on which our company is built. We are one of the driving forces behind the commercial and communal engineering sector. The focus of our service offering is the design, construction and servicing of industrial buildings, offices and car parks as well as residences for senior citizens and schools. In addition, we also provide photovoltaic systems on flat roofs and outdoors. We build using system elements that we, for the most part, make ourselves. As a result, we are able to carry out jobs particularly economically and quickly. Our clients obtain holistic solutions from a one-stop provider in their vicinity, thanks to our local subsidiaries.
Building management
You want to have your head clear for your key tasks and the things you really need to focus on? We would be delighted to take on the technical, the infrastructure related as well as the business side of building management as a whole for you. The GOLDBECK Gebäude-management GmbH (property and facility management) will look after you on-site.

Competence on-site – always close to you
The nearest GOLDBECK office is never far away – our comprehensive network ensures proximity to the client providing local knowledge with regard to regional requirements. The best is when all of the threads come together and your local partner can answer all of your questions quickly and competently. Our branch offices allow just that – in Germany, the UK, Austria, Poland, Switzerland, the Slovak Republic or the Czech Republic.
Concrete details that you can actually touch: In our System Centres in Bielefeld and Hirschberg you can really understand our technological expertise – in the truest sense of the word!
System Centres

Full sized exhibits

Do come in! In our System Centres in Bielefeld and Hirschberg you will experience a real spatial feel and you will get an impression of what your building could look like: Exhibits in original size show, amongst other things, examples of car park variants. In addition, there are concrete details that you can actually touch: Here one can really get a grasp of our expert technology in the truest sense of the word!

Our product portfolio covers a wide spectrum; the starting point of our work, however, is always the same: We build on the basis of industrially manufactured system components: fast, cost-effective, sustainable Conventional and recurring building blocks are assembled in ever new ways in order to produce both customised as well as individualised buildings that are perfectly tailored for the usages you have envisaged.

- Office buildings
- Logistics buildings
- Industrial buildings
- Car Parks
- Solar systems
- Schools / Sports halls
- Senior citizen real estate
- Construction in existing structures

03 Individual customer care | GOLDBECK Multi-storey Car Parks