

ViCon

Business System for Virtual Construction

Around the world, virtual product development has established itself in fields ranging from automobiles to aircraft. Process and technology services provider HOCHTIEF ViCon now offers you the solution for the construction sector.

The basis of Virtual Design and Construction (ViCon) is a 3d computer model, which can be extended to include any required information (such as time, costs, form of utilization) to produce a 4d model.

In project business, ViCon offers many advantages:

- Shorter execution times
- Fewer risks in construction operations and lower construction costs
- Increased scope for prefabrication
- Improved project communication and project marketing
- Greater planning dependability and process transparency
- Subsequent information utilisation for facility management

Take a look at all that Virtual Construction offers you.

Please get in touch with us:

HOCHTIEF ViCon
Alfredstrasse 236
45133 Essen
Germany

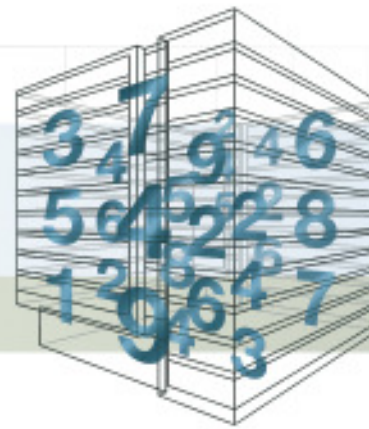
Telephone: +49 201 824-3060
Telefax: +49 201 824-3050
vicon@hochtief.de
www.hochtief-vicon.com



HOCHTIEF ViCon

Your supplier for ready-to-use solutions in the field of Virtual Construction.





Our Service Modules

ViCon Implementation

This service module comprises all that you need for the successful introduction of virtual construction in your company.

HOCHTIEF ViCon is ready to place all its Building Information Modeling (BIM) know-how at your company's disposal and cooperate with you in preparing a ViCon Implementation plan customised to your corporate requirements or to a specific project.

This includes:

- Project analysis,
- Aligning the BIM processes to your organisational structure,
- Allocating responsibilities,
- Training and development plan,
- Resources planning,
- Definition of individual BIM standards.

ViCon Management

HOCHTIEF ViCon supports and advises you throughout the course of the project in order to guarantee effective BIM utilisation.

Among other things, ViCon furnishes the following:

- BIM contractual terms,
- BIM contract administration,
- BIM training,
- Systems configuration/ installation/ support/ operation.



ViCon Products

The ViCon product portfolio covers all the BIM applications required for the practical Implementation of BIM.

In addition to the central hardware and software, HOCHTIEF ViCon offers you products from the following fields:

- **Marketing/ Sales**
Photorealistic views and 3d video animations accelerate decision-making and facilitate communication.
- **Operational Simulation**
Enabling you to identify at an early stage any potential for optimising subsequent operation.
- **Model-based Quantity Take-off**
An important estimating and control instrument for you.
- **Building Information System**
Supplies you with all the key structural data during planning and execution.
- **4d Construction Sequence Planning**
Giving you an overview of the timing and performance of all work packages.
- **Collaboration**
Various communication media save you time at meetings and reduce misunderstandings between all those involved.
- **Design and Trade Coordination**
Helps you early on to spot possible clashes or overlaps between the different specialised plans.
- **Facility Management**
The information from the construction phase can be used later during building operation.