



COMPLEX DESIGN SERVICES |
PREPARATORY PHASE | IMPLEMENTATION | FM



HISTORY



2008

Establishment of HESCON s.r.o.
5 employees

2009

Opening and moving to own office

2010

Implementation of the company's
management information system

2011

Expansion of the company
Opening new atelier

2013

Focus to BIM

2014

Ranked in the top 10 engineering
offices

2015

Focusing to complex projects and
strengthening the position in the field
of structural engineering

2017

Mapping of internal processes

2019

Opening new office in Košice, East
Slovakia

WITH US YOU CAN DO IT



COMPLEX DESIGN SOLUTIONS

From the initial study we further processing documentation up to the executive design and workshop documentation.



OPTIMIZATION

We deliver multiple cost-savings options to investors for their load-bearing structures.



EXPERTISE

Our experienced team use the latest BIM software and unique on-line project management.

TEAM

MEMBERS

6

MANAGEMENT
AND SALES
DEPARTMENT

8

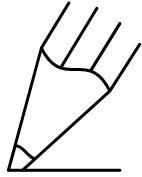
ARCHITECTS
CIVIL ENGINEERS
PROJECT
MANAGERS

18

STRUCTURAL
ENGINEERS,
CONSTRUCTORS,
EXTERNAL MEP

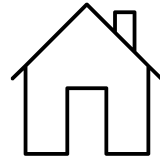


SERVICES IN BIM



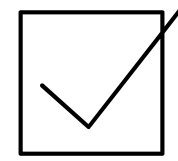
COMPLEX DESIGN SOLUTIONS

- Due Dilligence
- Masterplans
- Architectural study
- Project for zoning permits
- Project for building permits
- Tender documentation
- Executive design
- Audit



STRUCTURAL ENGINEERING OF LOAD-BEARING STRUCTURES

- Steel structures
- Concrete structures
- Precast structures
- Special foundations
- Reconstructions



WORKSHOP DOCUMENTATION FOR STEEL & PREFABRICATED CONSTRUCTIONS

- Steel structures
- Prefabricated structures
- Optimize load-bearing structures for new and finished projects
- Investors can achieve significant cost savings by properly optimising load-bearing structures.

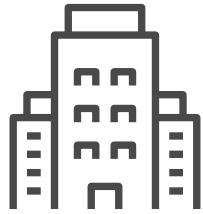


ENGINEERING AND CONSULTANCY

- Zoning decision
- Building permit decision
- Author's supervision
- Technical Supervision
- Construction supervision
- Using permits
- Environmental reports

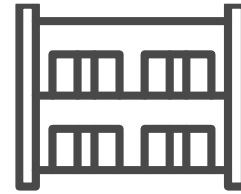
WE DESIGN

TYPES OF BUILDINGS



RESIDENTIAL & ADMINISTRATIVE BUILDINGS

We are able to offer the elaboration of projects after the CONCEPT of architects in the project for zoning permit, project for building permit and elaboration of the execution design.



CIVIL PROJECTS

The design work stages for civil projects includes completing the project for a land use planning decision, construction permit, and the implementation project.



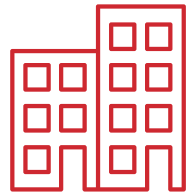
INDUSTRIAL BUILDINGS

We offer optimally engineered steel, prefabricated or combined castings with years of experience and our know-how in the field of structural and complex solutions.

OUR CLIENTS



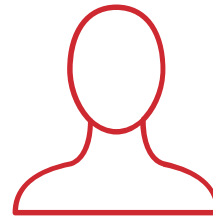
INVESTORS



DEVELOPERS



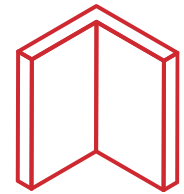
ARCHITECTS



GENERAL
CONTRACTORS



MANUFACTURERS
OF STEEL
STRUCTURES



MANUFACTURERS
OF
PREFABRICATES



SOFTWARE

DESIGN IN BIM

WE ARE CONSIDERING TO USE NEW SOFTWARE
IN THE FUTURE

WE PARTICIPATE ON UPGRADING THE
SOFTWARES

ACTIVE COMMUNICATION WITH SOFTWARE
DEVELOPERS

BRINGING NEW IDEAS

WE DESIGN BIM-e



DESIGNING OF STEEL STRUCTURES



DESIGN OF MONOLITHIC AND PREFABRICATED STRUCTURES



VISUALIZATIONS



STRUCTURAL ENGINEERING



ONLINE PROJECT MANAGEMENT SYSTEM

HESCON
ARCHITECTURAL
AND ENGINEERING
OFFICE

Login

Rigorous inspections

Not logged in

Login using email and password

Email:

Password:

Log in

Forgot your password?

ONLINE PROJECT MANAGEMENT SYSTEM

We have created a unique online document management system to streamline our project work. All files and documents are saved in chronological order in a single place. You'll keep track of important information with email notifications keeping you updated. Intuitive controls and transparency are our system strengths. Just enter your name and password to reliably access your data anywhere at any time.

OUR SERVICES AND BENEFITS

COMPREHENSIVE SOLUTIONS OPTIMISATION PROFESSIONALISM

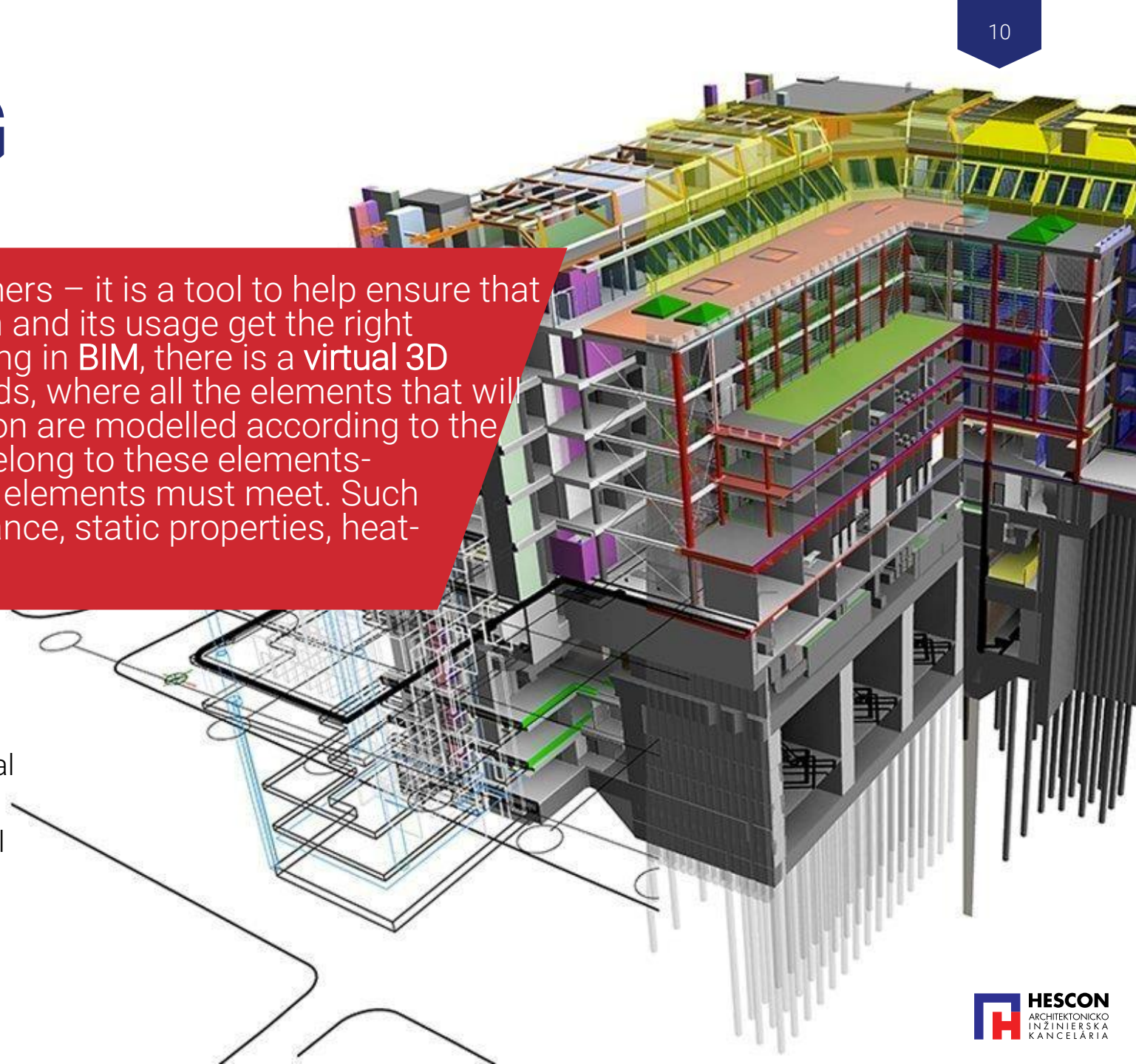
- **External data storage**
linked with the partner zone on the HESCON website
- **Clients can log in**
and have access to all their projects
- **Online information about documentation**
that has been saved onto the server
- **Email notification**
automatically generated emails are sent to the email addresses listed in the particular contract

BIM MODELING

BUILDING INFORMATION MODELING

BIM is more than just a software for designers – it is a tool to help ensure that the right people in the design, construction and its usage get the right information at the right time. While designing in **BIM**, there is a **virtual 3D construction model**, unlike classical methods, where all the elements that will really be present at the physical construction are modelled according to the selected details. The following attributes belong to these elements- characteristics that individual construction elements must meet. Such properties include material type, fire resistance, static properties, heat-technical values, etc.

- Design adjustments already during the early phases of the project.
- Easier estimation of the impact of changes on a total cost of the project.
- More accurate assessment of costs in the individual construction's phases.
- Lower risk of errors in the project - cost and time saving.
- Effective building management tool.



IMPLEMENTATION

HESCON & BIM

2013

Learning about BIM
Focus to BIM
Upgrading 3D modeling to structural models

2015

Progress in BIM modeling
Using suitable software for BIM modeling
First models in BIM

2016

BIM presented to our clients
Entrance education for BIM

2017

Establishment of technical committee no.121 for BIM standards
Software education for BIM
Using BIM in architecture

2019

Create our own library, templates, manuals and processes



BIM+ CDE

COMMON DATA ENVIRONMENT

WEB SITE FOR MODEL SHARING
AND EXPLORING

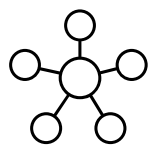
- Checking the current status of model
- BIM tool for accessing information and model without needed software
- New tools BIM+, that are making connection to other software like MS Excel, Revit, ... Etc.



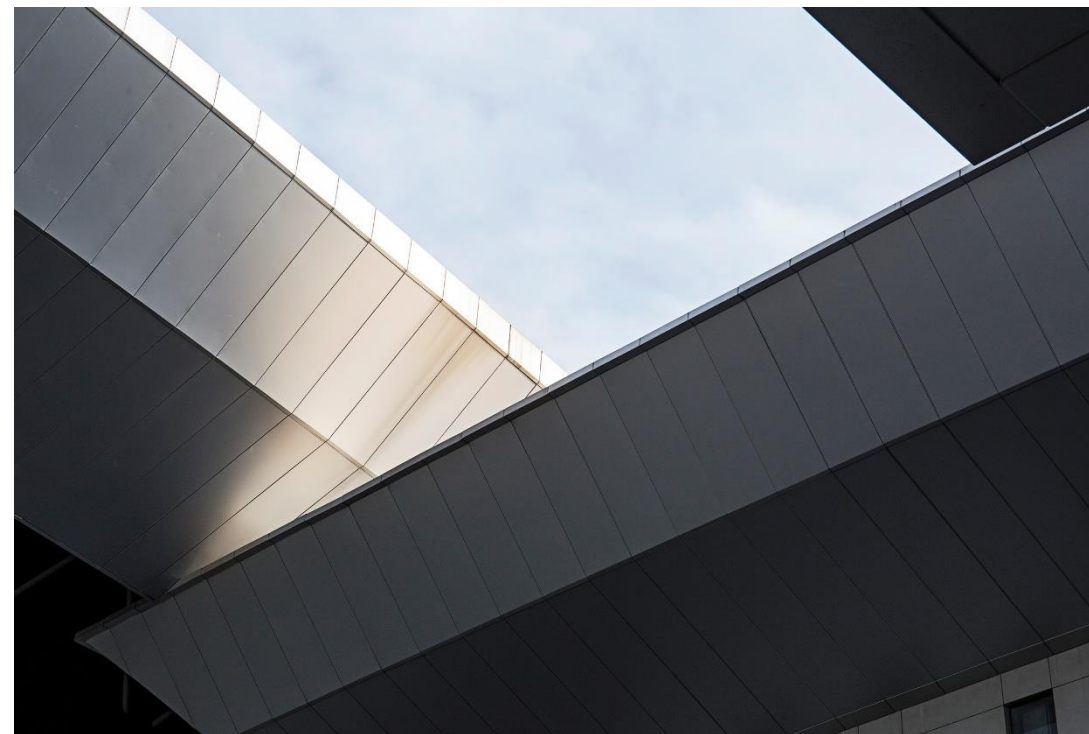
BIM ASSOCIATION SLOVAKIA



BIMAS has set up working groups to create **standards, libraries and workflows** in architecture



HESCON is one of the founding members and **actively cooperate**



spoločnosť založená 01/2013



MAPPING OF PROCESSES



Identification and analysis
of key processes



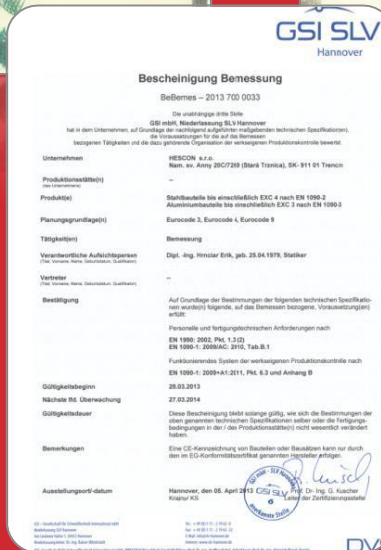
Quality comes first



Precision in details

CERTIFICATES

CHAMBER MEMBERSHIP IN CIVIL ENGINEERING



AWARDS

SCIA USER CONTEST 2017

SCIA User Contest 2017
The *Art* of Structural Design

CHEQUE

€1.500

WINNER
Special BIM Prize of the Jury

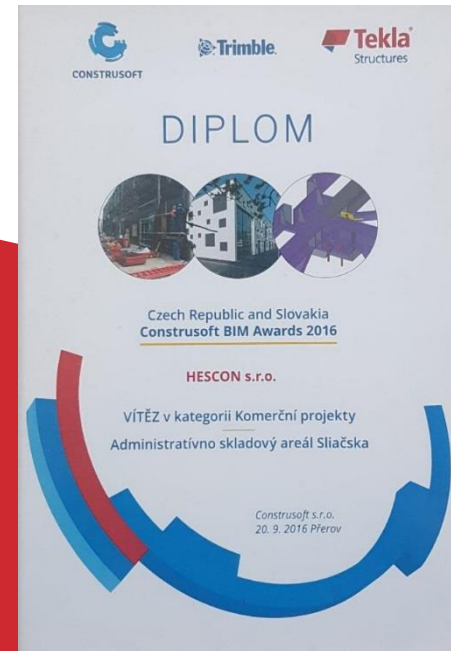


HESCON s.r.o
Football Stadium - Dunajská Streda, Slovakia

HESCON s.r.o
Football Stadium - Dunajská Streda, Slovakia


HESCON s.r.o

TEKLA BIM AWARDS



CONSTRUSOFT Trimble Tekla Structures

DIPLOM



Czech Republic and Slovakia
Construsoft BIM Awards 2016

HESCON s.r.o.

VÍTEŽ v kategorii Komerční projekty
Administrativno skladový areál Slačska

Construsoft s.r.o.
20. 9. 2016 Pterov



Trimble Tekla

DIPLOM

Tekla BIM Awards 2017
Czech Republic & Slovakia



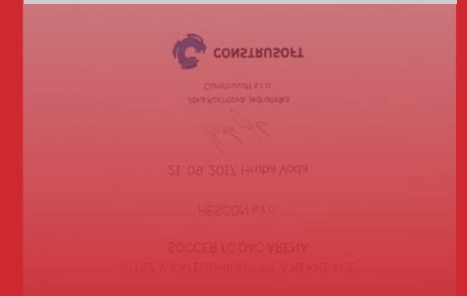
VÍTEŽ V KATEGORII SPORT A REKREACE
SOCCER FC DAC ARENA

HESCON s.r.o.

21. 09. 2017, Hrubá Voda

Jilka Kochtová
Jilka Kochtová, jednatelka
Construsoft s.r.o.

CONSTRUSOFT



SELECTED REFERENCES



RESIDENTIAL AND ADMINISTRATIVE
BUILDINGS

MULTIFUNCTIONAL COMPLEX

MLYNSKÉ NIVY



HBReavis



Bratislava



New build

Project level:

Executive Design – Structural documentation of steel structures.

Workshop Documentation – Steel structures

SLOVNAFT



Slovnaft



Bratislava



New build

Project level:

Executive Design – Structural documentation of steel structures.

Workshop Documentation – Steel structures

Supply and fit - steel structures



INDUSTRIAL BUILDINGS

PRODUCTION HALL

BRUCKNER



TI Services s.r.o.



Topolčany



New build

Project level:
Complex design solution





THANK YOU
FOR YOUR ATTENTION



HESCON s. r. o.

Námestie sv. Anny 20C/7269
911 01 Trenčín



hescon@hescon.sk



+421 (0)32 6513 700



www.hescon.sk

