

# Company Profile

[www.allcons.cz](http://www.allcons.cz)



ALLCONS

# About the Company



The ALLCONS a.s. company is the roof of companies dealing in design and implementation of the building projects. The ALLCONS company provides the comprehensive services in the fields of design and implementation of the steel, concrete and other building structures, in particular in the sectors of power engineering, chemical, metallurgical and petrochemical industries, but also in the sector of civic facilities.

Our activities comprise all stages of design documentation from the study preparation, through the design phases up to deliveries of the steel structures, production supervision and site supervision of the author.

In the field of steel structures we provide also delivery and assembly.

The design work offer comprises also preparing of the thermal and material balances, process diagrams, P&I Diagrams, specifications of the process equipment and also design and creation of documentation for the media pipelines in the industrial areas. As a team we are able to implement comprehensive engineering solutions of technological units.

We provide our customers the solid background in the form of a team of experienced professionals and sufficient capacities for deliveries of extensive and

technologically demanding investment complexes. Our technical solutions are always carefully designed to meet all requirements of our customers, while the stress is always put on the design economy and efficiency.

Since its establishment in 1993 the company passed the dynamic development in its fields of activities. Initially it specialised in small and medium steel structures, however, gradually it had started to design and deliver all types of structures. At present the ALLCONS company, thanks to its solid technical and office background, is able to implement comprehensively the turnkey projects, beginning with technical solution, through design, production, delivery and assembly.

In cooperation with the Czech Technical University (ČVUT) in Prague the ALLCONS company attains outstanding results in the field of design and analyses of structures. Thanks to these research and development activities we can offer our customers the new products and innovations, bringing them significant economies.

The company gained the position of the acknowledged, reliable and professional business partner not only within national scale, but in particular in abroad. Our strategic objective is to become the market leader in the central European and East European regions and important partner in the regions of Asia and Africa.



*Strong partner for your projects*

# Products

*The main activities of the company comprise the engineering, delivery and construction of power sources, turnkey projects and deliveries of individual technological units and pieces of equipment.*

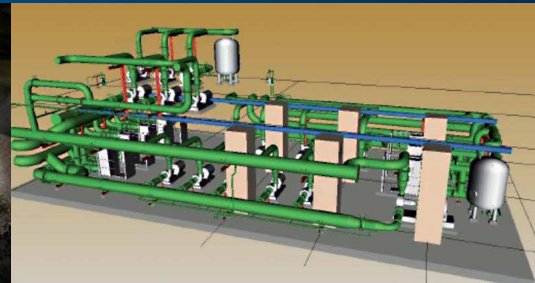
- Production and assembly of steel structures (platforms, cooling chambers, machine halls, boiler rooms, tanks, stacks, storage silos, bridges, warehouses and number of other structures)
- Pipeline and conveyor systems and routes
- Design and delivery of structures for hydropower plants (stop logs, lifting devices, screens, concrete structures, etc.)
- Reconstructions and designs of utilisation of the existing steel structures for new technological uses (so-called brownfield projects)
- De-dusting units for power engineering sector and other industrial branches
- Design and delivery of structures for DeSO<sub>x</sub>, DeNO<sub>x</sub> and DeHg technologies
- Equipment for flue gases evacuation
- Pneumatic transport of material
- Pump stations including connecting piping and valves
- Hydraulic distributions and service media distributions
- Heat exchanger stations
- Photovoltaic technologies for both existing and new buildings (comprehensive delivery, verification of the existing structure and possible strengthening)
- BIM (Building Information Modelling) for both existing and new buildings



*We are the company with clear objectives and professional approach to the customers*

*The ALLCONS group further provides the comprehensive scope of engineering activities for conventional power engineering equipment and systems including the boilers, gas and steam turbines, condensing systems, reheating and feed water systems, cooling systems, chemical water and wastewater treatment plants, flue gases purification and building section. For these activities we offer the positions of the general designer and project manager.*

- > Technical Due Diligence and assessment of the power engineering systems
- > Optimization of the power engineering systems operation
- > Engineering studies of technological units and equipment feasibility, reconstruction and renewal
- > Design documentation of projects
  - Preliminary concept study
  - Feasibility study – technical section
  - Building permit design documentation
  - Detailed design documentation
  - Implementation design documentation
- > Assistance at selection of the EPC contractor
  - Tender documentation preparation
  - Tender preparation – technical section creation
- > Project management
- > Technical supervision of the investor
- > Production and assembly supervision and management
- > Warranty period and after-warranty period operation support
- > Creation and maintenance of the coordination layout situations /general layout / basic maps of the production plants



*Our team of professionals is ready to design the optimal solution tailored to meet your needs*

# Experience

*We have more than 25 years of experience in the field of design of steel structures of civic projects and technological structures worldwide, experience and references in the field of processing and implementation of the technological-mechanical engineering solutions of equipment and systems in power engineering, chemical, metallurgical and petrochemical industries.*



# Software

- > Structural design programs – SCIA ESA, Feat, SCAD, Idea Statica, Dlubal RSTAB/RFEM, GEO5
- > 3D CAD Systems – AdvanceSteel, Inventor, TEKLA Structures, Catia, ALLPLAN Engineering, PDMS, E3D
- > Autodesk AutoCAD Plant 3D
- > 2D CAD Platform – AutoCAD
- > Software for
  - Calculation of pressure losses and flow
  - Combustion calculations
  - Heat transfer calculations



*We use the latest applicable software for our design and implementation, we are ISO 9001:2016 certified*



## **Petrochemical complex Bathinda, India**

Design concept and shop design documentation, production and pre-assembly steel structures supporting the precipitators and cyclons unit CRU.



## **Mělník I Power Plant**

Design and production documentation of the steel, concrete and building structures, initial inspections for the SOx Emissions Reduction project, K1-K6 boilers.



## **Plzeňská teplárenská, a.s.**

Desulphurisation system intensification. General designer, project manager, design of steel structures, building section.

*We have extensive professional experience from the Czech Republic and worldwide*



### **Temelín Nuclear Power Plant**

Replacement of the heat water heaters and piping distributions including strengthening of the carrying steel structure of the Main Production Units 1 and 2 Unit Heat Exchanger Station.



### **Chvaletice Power Plant**

Design documentation concerning interconnection of the flue gas ducts of B1–B4 units, design documentation of the building and structural part of the B2 unit fabric filters reconstruction.



### **Agglomeration South, Arcelor Mittal, Ostrava**

Dedusting system, precipitators, supporting structures, pipelines.

*We design and implement technological units of various industries*

# Contacts



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