

HOME³

wood | energy | life

Ing. Libor Hrouda, CSc.

Selected references

Mr. Libor Hrouda realized more than 80 construction projects mostly in:

- project design
- global engineering
- construction permit stage including all necessary documents demanded by the Municipal Office
- all business matters related to the construction activities and management of the project
- management and control of all subcontractors
- safety and quality control of works
- preparation and coordination of the final building approval process

Key references are outlined in the below areas:

- construction aimed for sport and leisure activities
- large construction projects supported by government programs
- construction of factories
- construction of warehouses
- projects done in foreign countries
- family houses
- construction and reconstruction of commercial spaces in Prague
- nuclear reactors construction

Mr. Hrouda is currently the key person within the HOME³ team actively researching the field of energy sustainability of the buildings, vibrational and frequency characteristics of the houses, study and execution of the principles of geomancy and other relevant disciplines, sacred geometry, photovoltaic systems, and of course the influence of negative oxygen ions in buildings.

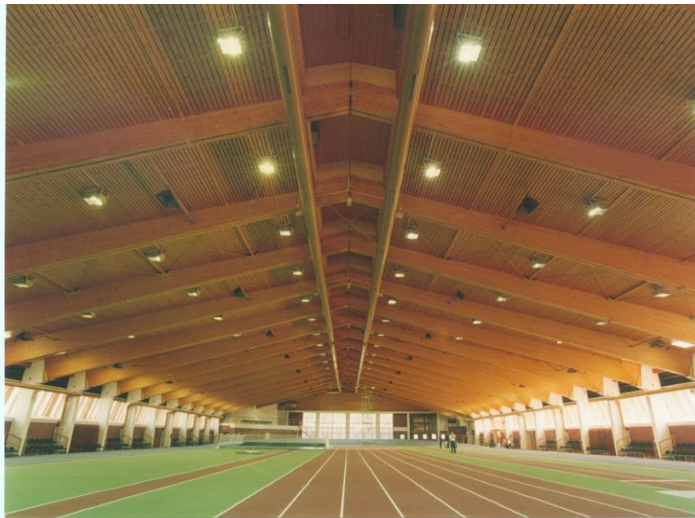
1. Construction aimed for sport and leisure activities

- Projecting and realization of the multi-function sporting areal in Prague 4 – turnkey delivery including the project documentation – part of the works on the areal laying on a 20 000 m² plot included a complex shift of high voltage cables and water tubes.
- During the realization, a unique solution to strengthen a 10 meter filling for a required 4 mm allowance within laying-out the artificial sport surface had to be applied.
- The works were completed during 1994/1995 for the Police Academy.



1. Construction aimed for sport and leisure activities

- Construction of a light-athletic hall -100x50m in Prague Stromovka including the entire surrounding infrastructure – 1996.
- Reconstruction of a light-athletic hall (combination of an iron-concrete and a wood base construction – original solution), the hall has a 5000 m² – in 1996 it was the only hall of this type in Central Europe



1. Construction aimed for sport and leisure activities

- Reconstruction of a sporting area including a tennis hall, wrestling and a weightlifting premises. The complete reconstruction of the area was due to extensive floods in 2002. The premises lies on a 10 hectares lot and it includes a restaurant, swimming pool, specialized healthcare workplace, hotel accommodation and a number of outside sporting areas and covered halls.



2. Large construction projects supported by government programs

- Technical and financial supervision of the first phase of the construction of the Prague Ruzyne airport.
- Entire supervision for the Czech government – construction of the runway, construction of the passenger hall, airport road-mix – special method of strengthening the sub-surface.
- The main contractor was the French group Bouygues and technical supervision was done by British Aerospace.



3. Construction of factories

- Construction of a Rolls-Royce airplane engine factory in Pilsen.
- Project supervision, quality control and final building approval.



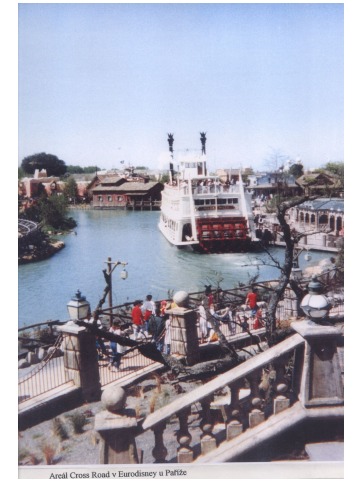
4. Construction of warehouses

- Construction of a warehouse – iron/concrete skeleton. Supervision on behalf of the company Black and Veatch Czech Republic.
- Construction of a warehouse next the D1 highway – engineering, quality control, final building approval – prefabricated iron/concrete skeleton 85m x 270m – comprising of three halls with total space of 40 000m² in a 90 000m² plot including communication, infrastructure.
- Construction of warehouses next to D1 highway – two halls with total space of 35 000m² on a plot of 120 000m² with communication and infrastructure.



5. Projects done in foreign countries

- Construction of the Cross Road western city areal within the EuroDisney project next to Paris.



6. Family houses with HOME³ technology



7. Construction and reconstruction of commercial spaces in Prague

- Reconstruction of ex-Planet Hollywood building in downtown Prague. Original techniques of strengthening of the walling and the building statics. The building lies in an area of sand unstable ground. During the research of the site, part of foreland of a 13 century bridge found.
- Technical supervision for Black and Veatch.



8. Nuclear reactors construction

- Construction of the technical university nuclear reactor VR-1 in Prague.

