



The
technological
solutions



Professional Vision

Ircon Design Bureau has focused its professional development in the area of design and consulting services for the investment realization of complex projects for industrial and public use. Our projects are based on engineering approach and integral process management.

We rely on highly qualified team of professionals, who have proven their skills in the long run. We at Ircon concentrate our efforts and address our activities entirely to Customer's support, while respecting moral standards and public regulations and implementing responsible professional behavior to the surrounding natural and social environment.

The main driving force in our business is the knowledge acquired through the sound professional tradition, scientific approach and modern computer technologies. We believe that striving for perfection is an endless source of energy and creativity.

Team

A highlight of Ircon projects is achieving interdependence and complexity of the offered architectural, structural and engineering solutions. Ircon Design Bureau operates with permanent staff and relies on the creativity of each employee. We work continuously to improve our professional skills and acquire new knowledge, as well as establish a well-balanced working environment for our staff.

Ircon has a permanent staff of major subject matter experts involved in the investment projects and cooperates with a selected number of prominent partners and reliable suppliers.

The Ircon team has successfully developed, implemented and certified ISO 9001:2008 Quality Management System.

Experience and specialization. Software and technologies

Ircon Ltd. is a bureau for complex design and engineering consultancy business specializing in projects of industrial and public use, steel constructions, infrastructure, engineering facilities and facade engineering. Our expertise includes:

- ✓ Projects of public and commercial use
- ✓ Industrial installations and industrial projects
- ✓ Engineering facilities and bridges
- ✓ Detailed design and CAD CAM technologies
- ✓ Facade engineering

In this presentation, Ircon Design Bureau would like to share with you, our present and future customers, its 17 years of experience in the realization of a great number of projects, both in the country and abroad.

Ircon strives to look far into the future, relying on the use of the most modern computer technologies towards its goal to offer a comprehensive and high quality expertise and consulting services. In order to realize our ideas in the field of investment projects in an effective and comprehensive manner, we use integral software environment for conceptual, technical and detailed design known as BIM (Building Information Model). Working with BIM enables us develop our projects in a virtual computer environment and synchronize all systems of the buildings or facilities that we design. Employing BIM enables us to perform an integral management of the processes related to designing, planning, production management, installation and construction, as well as to ensure the proper operation and maintenance of our projects. Using BIM makes Ircon's projects convertible and applicable worldwide. Our detailed design of steel constructions is the best developed branch employing BIM. It is based on the CAD technologies and has a CAM orientation to steel construction manufacturers.

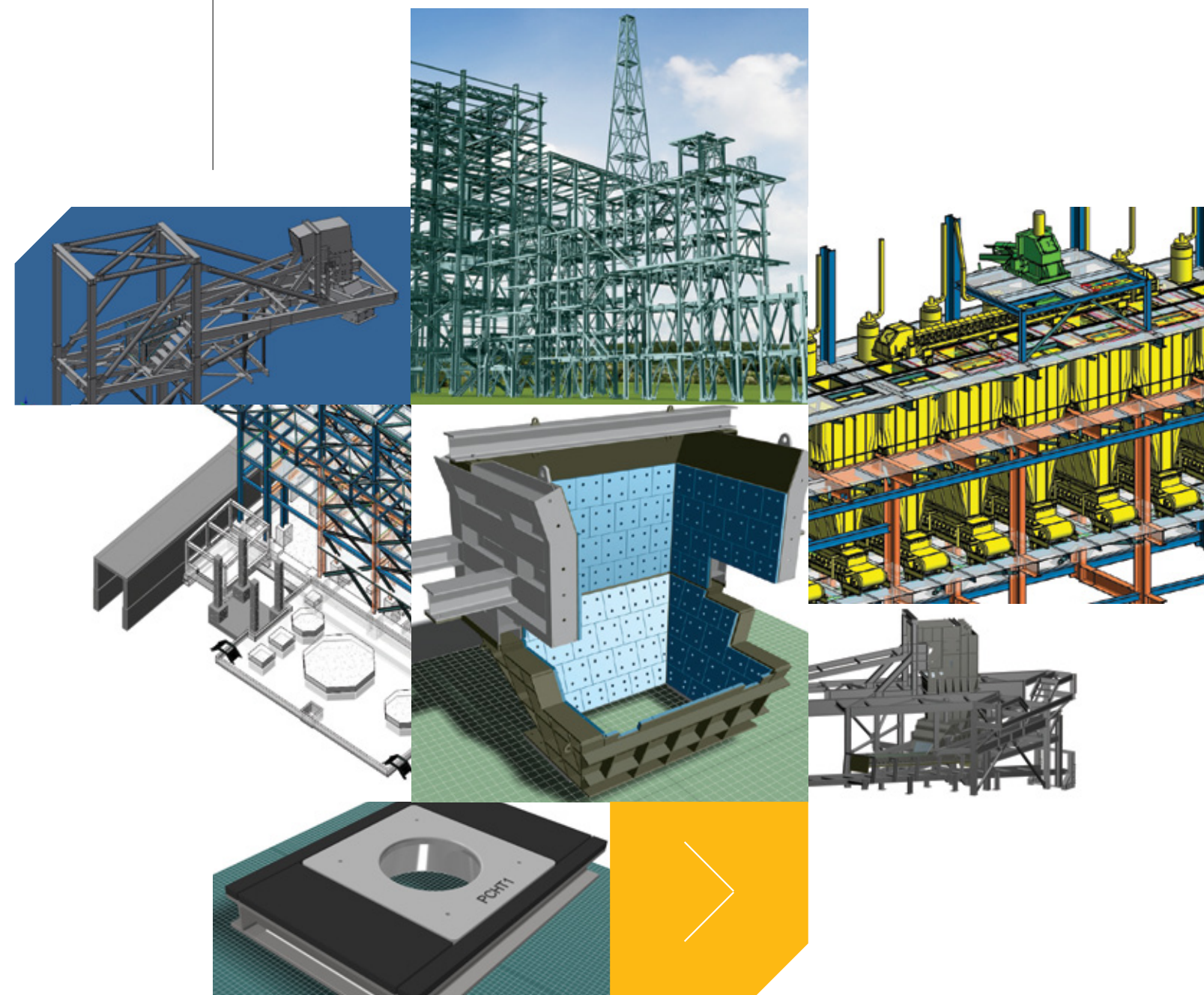


Team



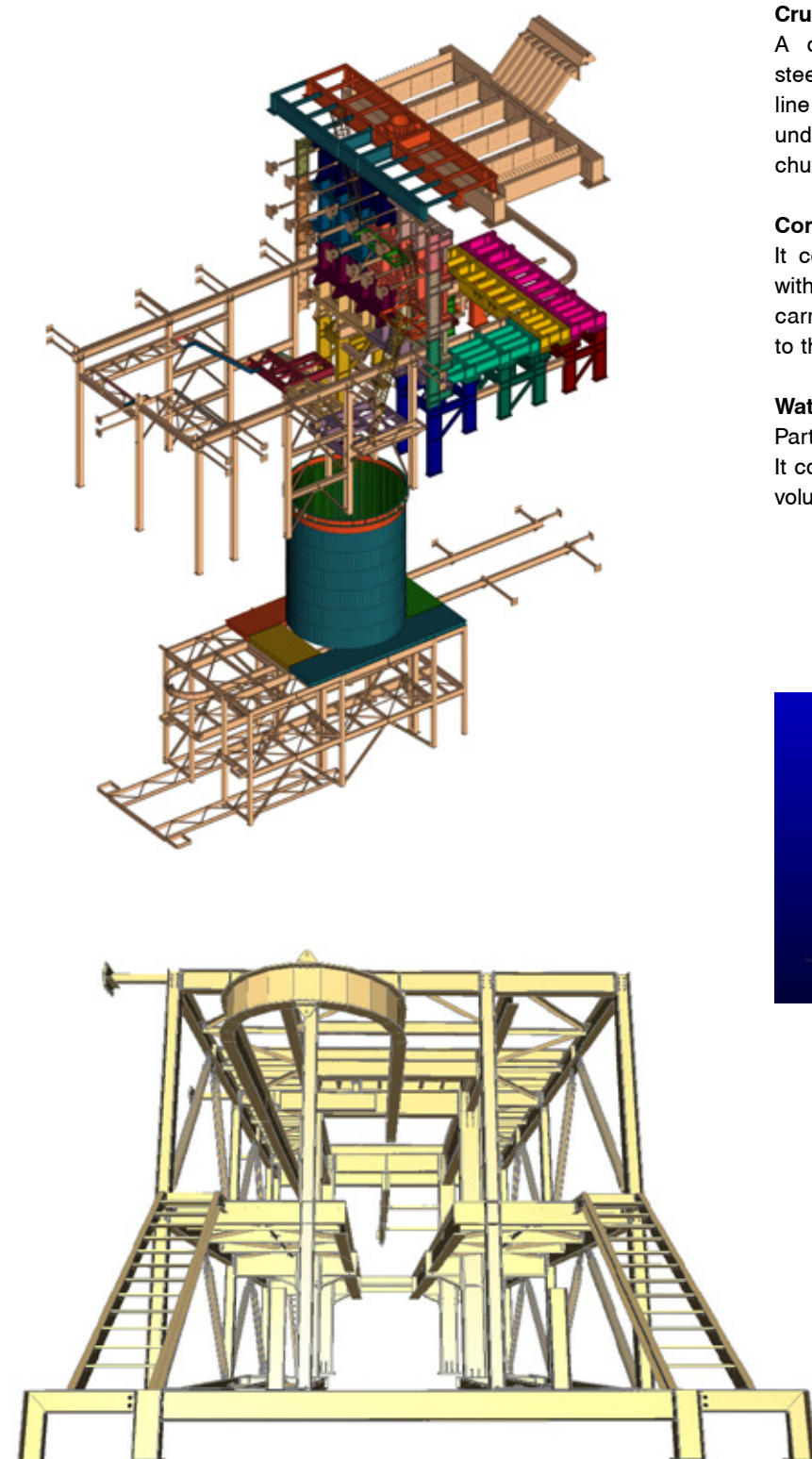
Detailed Projects and CAD CAM Technologies

Iron Bureau is closely related to the technological design, used for industrial or complex public and infrastructure projects. As part of our development in this specialized market niche, the detailed design of building, sheet and machine constructions, as well as mechanical parts and elements are a vital phase of the overall project. Owing to this stage, the realization of the original design in the required design parameters becomes possible. The detailed design in Iron Bureau has been developed based on the use of advanced CAD technologies, linked with Solid Frame models and aims at an integrated BIM. The offered by our specialist CAM technologies are an invariable part of our CAD technologies and are intended to facilitate the production cycle. The detailed design offered by us involves management and synchronization of nominated suppliers and clash control of the separate installations.



Underground installation for ore crushing, sorting and transportation for the needs of Chelopech Mining JSC

Detailed engineering and CAD CAM technologies



Crusher Installation

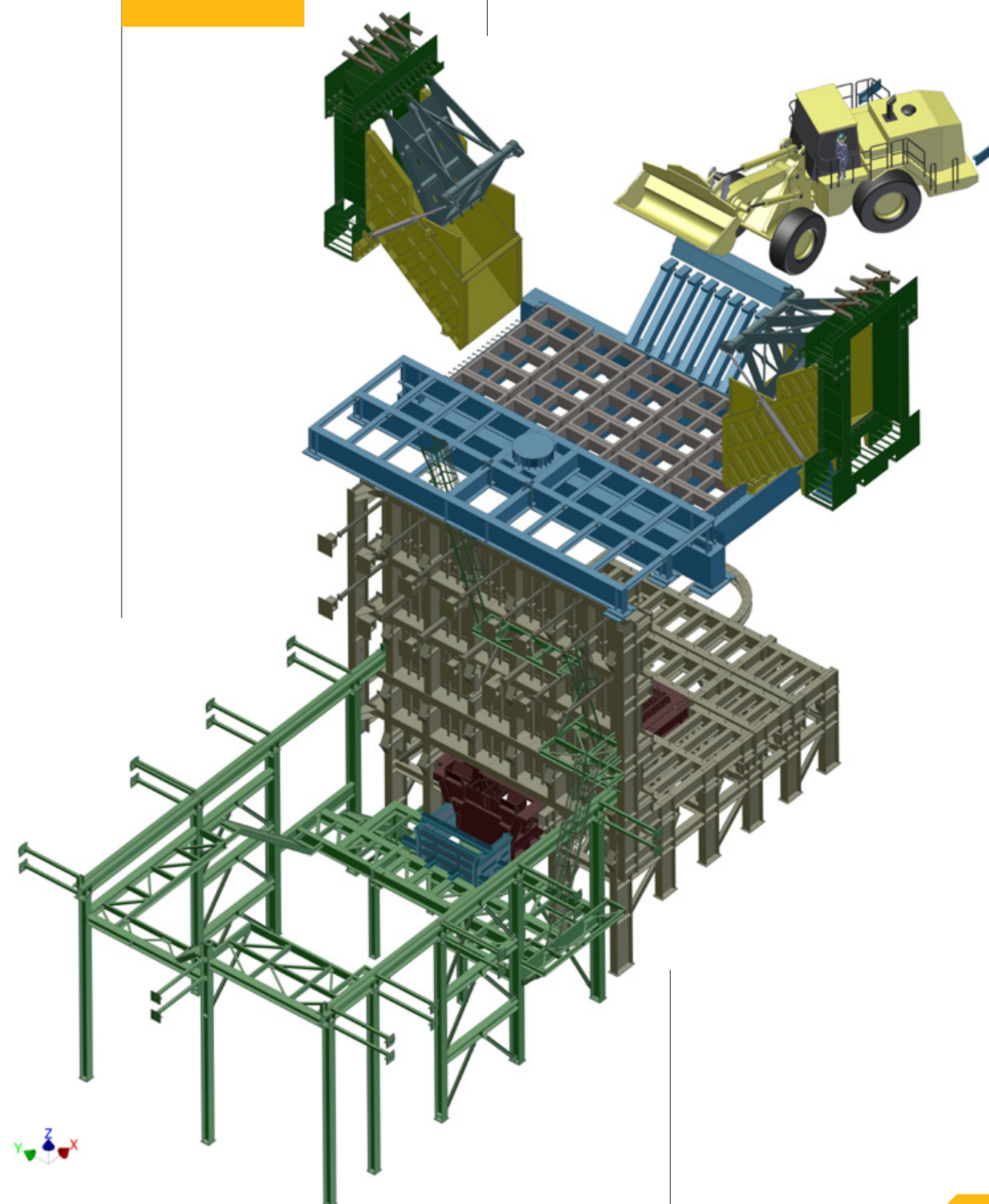
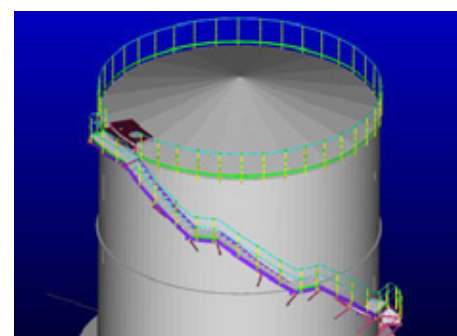
A complex system of plate work and steel work constructions. The production line consists of a series of crushers, underground storage buffers and refilling chutes and hoppers.

Conveyor section

It consists of a series of belt conveyers with refilling stations that automatically carry material from elevation ore extraction to the mine exit.

Water tank

Part of the fire safety system at the mine. It comprises a vertical cylindrical tank of a volume of 1,400 cubic meters.



Detailed engineering and CAD CAM technologies



New Lead Plant of KCM JSC

Furnace Installation

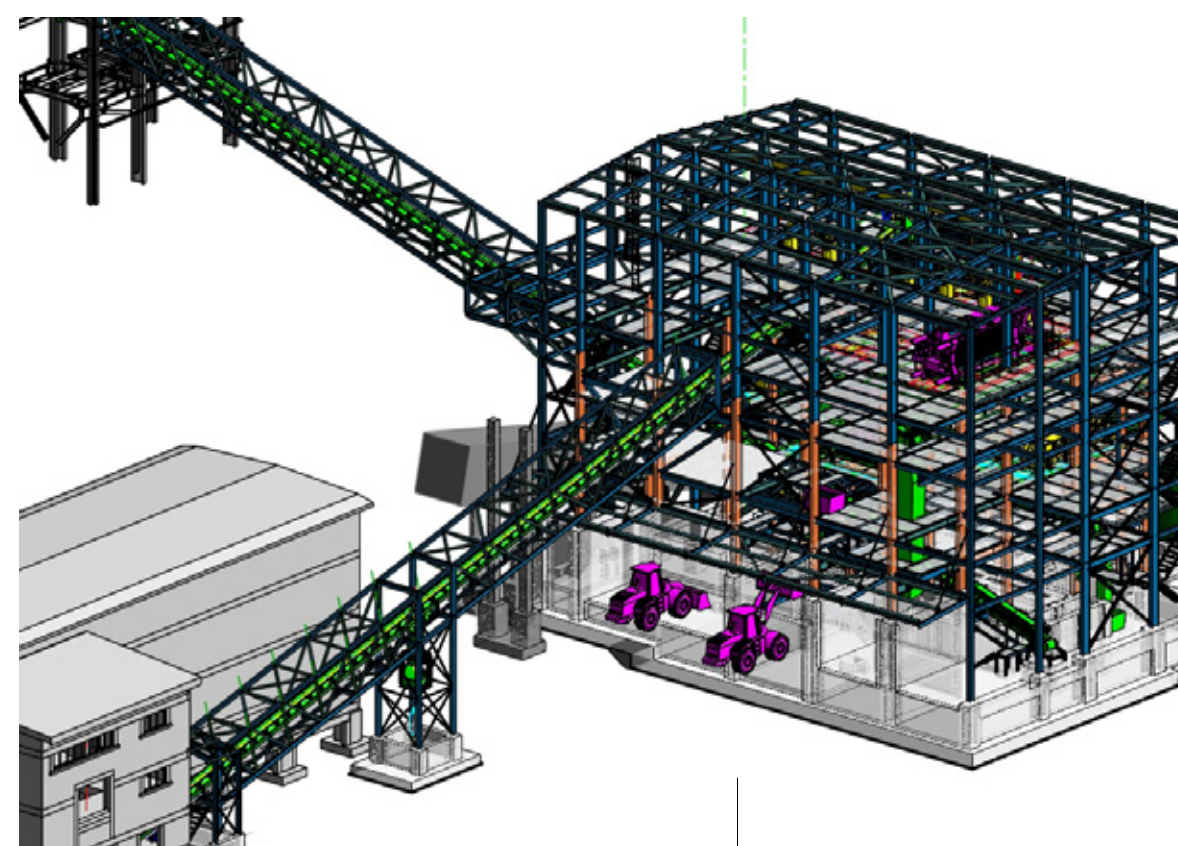
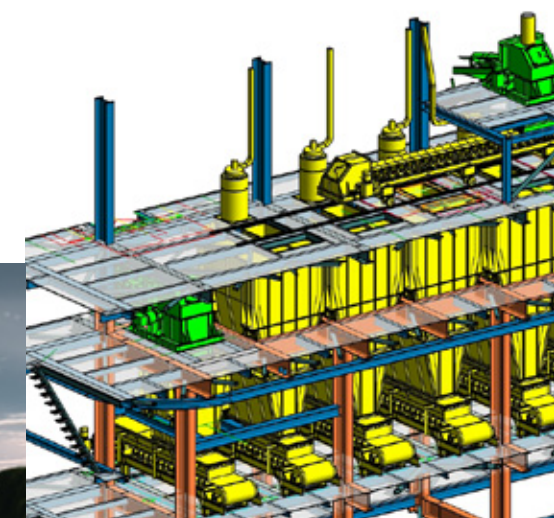
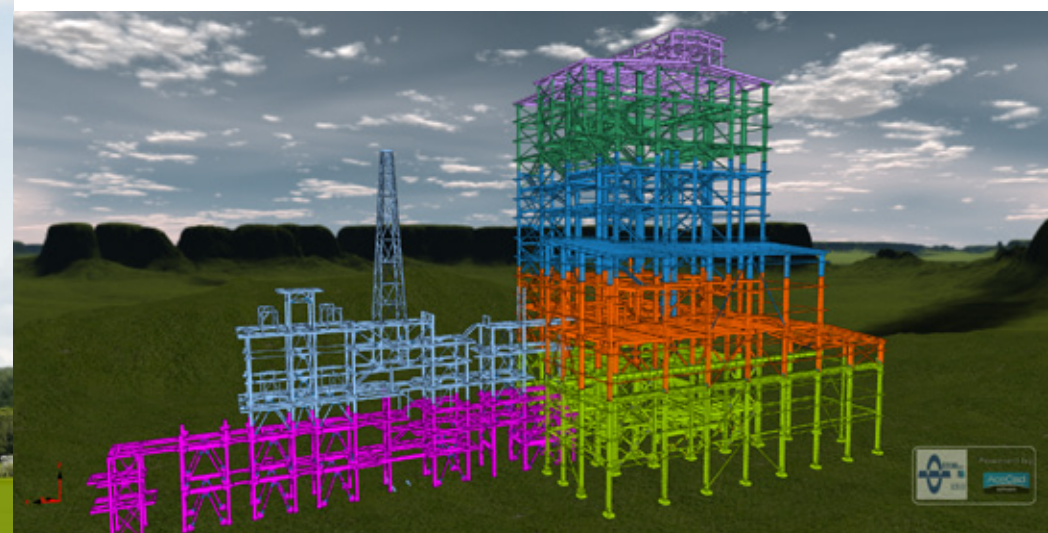
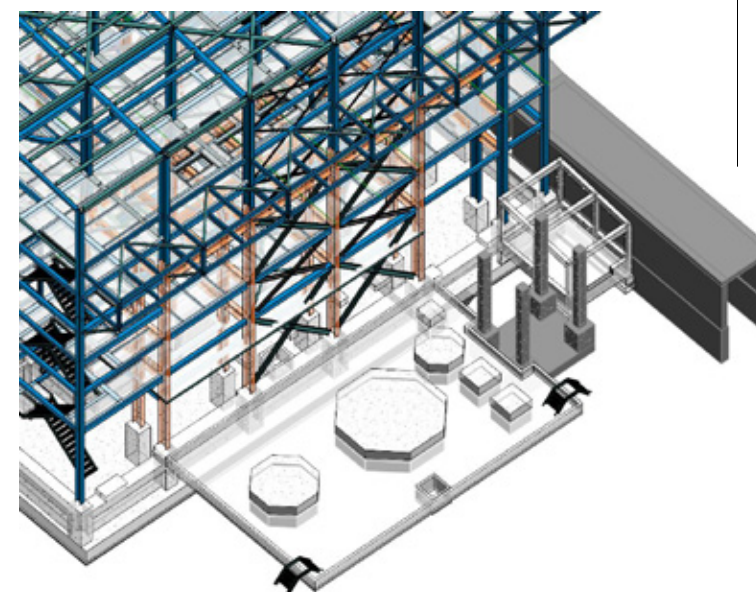
Heavily loaded steel structure of the type steel skeleton „industrial rack“ with included integrated assembly of the bearing structure and technological equipment. The project is carried out in stages, as for the main structure, as well as for the technological equipment. The use of CAD-CAM technologies allows clash free stagewise planning and process synchronization.

Wet gas cleaning plant

A steel supporting structure, strongly subject to the technological equipment. It is a complex system in which there is a genetic interplay between the production technology and the vessels, piping and ducting.

Feed handling sector

This installation is a system of chutes, hoppers, filter press and a mixing drum. It carries out the preparation, mixing and dosing of raw material, dust extraction and transportation. Belt conveyors, inlet and outlet conveyor galleries are integrated in the structure.





Clients and Partners

During its seventeen year history Ircon Design Bureau has worked for companies and public organizations of various business sectors and public life. We are proud of the results achieved and the wonderful relationship we have with clients, such as:

„Liebherr Hausgeraete Maritza Ltd.
Baumit Bulgaria Ltd.
Nestle Bulgaria JSC
Inter Expo Centre JSC
Trade center Boyla
ADF Bulgaria Ltd.
Actavis - Dupnitsa /Balkanpharma/
Gorenje Bulgaria Ltd.
Swissmod clothing company
Parallel Ltd.
Technoexport Ltd.
Sting JSC Glassco Ltd
Mr.Bricolage
Beautiful Bulgaria Project
Pirin Tex Ltd. /Rollmann/
Biovet JSC
Telelink JSC
Leadcom Bulgaria JSC
Alexander Logistics Ltd
Daewoo Bulgaria
Knauf Gipsfaser JSC
Umicore Med JSC
Heros Ltd.

Bellissimo Business Centre
Ministry of Transport
Metropolitan JSC
Ministry of Finance
Petrol JSC
AMOCO Bulgaria Petroleum Products Ltd.
Forest furniture company
Eco Petroleum Ltd.
Ministry of Youth and Sport
Piccadilly JSC
Boliari JSC
Daks-96 Ltd.
Diado Bojko Ltd.
Biomashinostroene JSC
Interlogistica Ltd.
Office Express Services Ltd.
Prophex bioproducts Ltd.
Metix Ltd.
Alex EA
Natonal Sport Base JSC
Chelopech Mining JSC
Balkan Mineral and Mining JSC
KCM JSC
Trimo d.d.

Of course we should not miss to mention our established partners:

Hochtief Bulgaria
Star bat Bulgaria Ltd.
Agrogroup Exact Ltd.
Preciz AI Energy Ltd.
Glavbolgarstroy JSC
At Engineering 2000 Ltd.
Diado Bojko Ltd.
Planex Ltd.
Tilev Architects Ltd.
ELITE Architectural studio
Terna JSC
Trimo Bulgaria JSC

Enemona JSC
VIAPLAN Ltd.
Montage Stroitelni Konstruktzii JSC
Atelier Serafimov Architects Ltd.
Project Management Company Ltd.
Trace Group Hold
ANISA - M
ADA Ltd
Proin JSC
Tanyu Dimitrov & Partners Inc.



Address: 1138 Sofia, 2 L Samokovsko Chaussee str.

Tel.: + 359 (2) 917 54 00

Fax: + 359 (2) 917 54 01

E-mail: office@irconltd.com

Website: www.irconltd.com