

FAÇADE ENGINEERING



ITL ENGINEERING

PROJECT MANAGEMENT
FACADE CONSULTING



ITL ENGINEERING, Moscow,

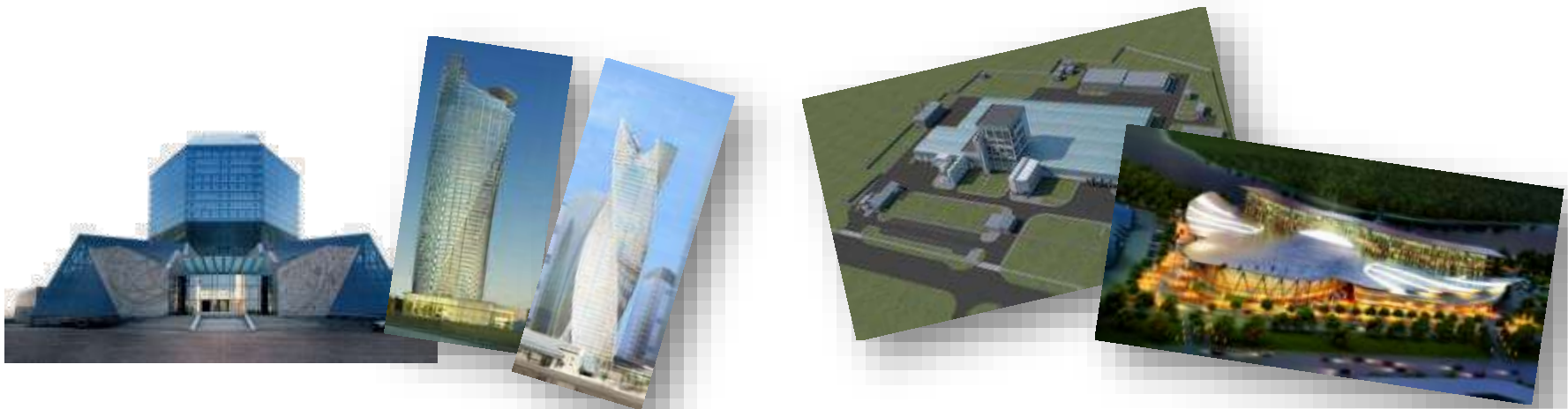
International company specializes in providing **extended range of engineering services** in design, fabrication and installation of **complicated façade** and interior structures.

Our **complex approach** involves participating in design of main infrastructural systems that are affected by building envelope: facades, HVC, illumination, safety and security, BMU etc.

Our specialization are sophisticated projects and engineering solutions for **non-standard design tasks** in the sphere of transparent facade constructions.

ITL Engineering is a joint venture of two engineering companies:

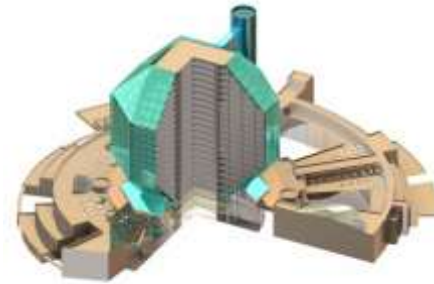
TECHNOLOGICA specializing in complicated façade structures and **ITC ENGINEERING** specializing in complete construction project management .





2007 -
Foundation of **TECHNOLOGICA** company.

- Façade engineering & consulting company
- 10 professionals engineers
- Projects in UAE, Qatar, Europe, Mongolia, Russia & CIS
- Specialization in complicated projects, high-rises, unitized facades
 - Full-cycle façade consulting
 - Engineering and design
 - Project management
 - Tendering and quality control
 - Structural, energy, acoustic calculations
 - Fire-proof facades design
 - Lighting and media solutions design
 - BMU-systems design
 - LEED/BREAM Consulting





2008 - Foundation of **ITC Engineering** company.


- The core business area of the company is complete management of construction investment activity.
- At the same time providing full range of services in construction management: investment planning, design, performance of construction auditing inspections and technical site supervision etc,
- Working with different types of real estate facilities: buildings, factories, shopping and logistics centers etc
- The present company's professional team numbers more than 70 highly qualified and skilled engineers, designers and architects.




FAÇADE ENGINEERING SERVICES

- ✓ FAÇADE CONSULTING
- ✓ COMPLETE FAÇADE DESIGN
- ✓ FAÇADE PROJECT MANAGEMENT

Professional tandem of Technologica and ITC Engineering enables **ITL ENGINEERING** to provide comprehensive engineering support for investment projects in design and construction of estate facilities, primarily, sophisticated projects and engineering solutions for non-standard design tasks in the sphere of building envelope construction.

 2 Offices in Minsk and 1 in Moscow

 Dozens of projects in 12 countries



FAÇADE ENGINEERING

Complete engineering support in envelopes construction:

- Full-cycle façade consulting
- Engineering and design
- Project management
- Tendering and quality control
- Structural, energy, acoustic calculations
- HVC-systems design
- Fire-proof systems design
- BMU-systems design
- Lighting and media solutions design
- ETFE and complex envelopes design
- LEED/BREAM Consulting

PROJECT MANAGEMENT

Complete engineering support of investment projects:

- design engineering;
- construction project management;
- technical supervision of construction;
- front-end engineering design;
- topographical survey works;
- labor safety;
- development of method statements, construction management plans, crane operation method statements.

✓ FAÇADE CONSULTING

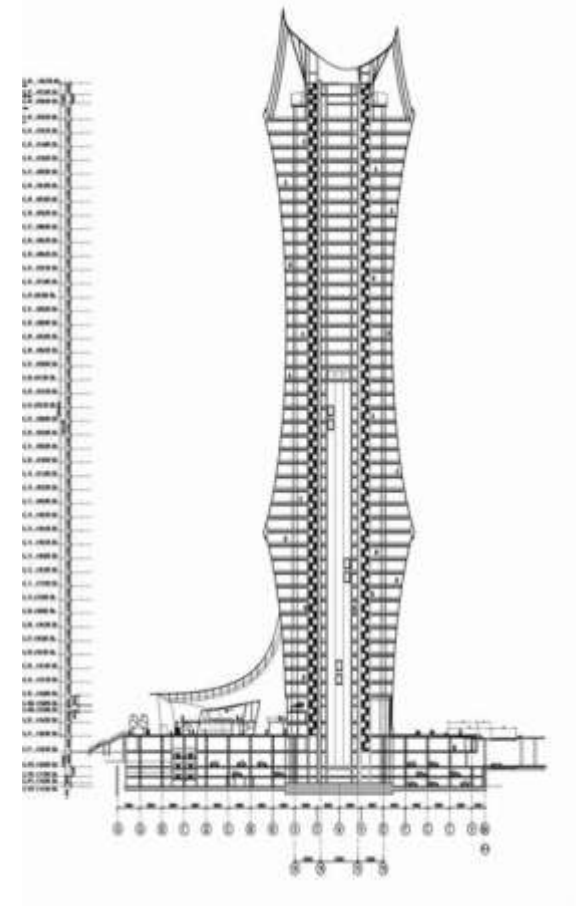
Target groups: Investors, Contractors, Architects

Types of works:

- Requirements compilation and coordination of target groups interests
- Concept design and preliminary calculations
- Iteration assessment of the project budget
- Elaboration of technical specifications and tender packages
- Organizing tenders, giving recommendations on the winner nomination
- Analysis and optimization of the energy efficiency
- Preparation of requirements on BMU and media-façades use
- Organizing of performance testing
- Development and approval of the Technical Requirements

Evolution Tower, Moscow, Russia

✓ **FAÇADE CONSULTING**



✓ DESIGN SERVICES AND CALCULATIONS

Target groups: Customers, Architects, Designers, General Contractors, Façade contractors,

Types of works:

- Concept design
- 3D-modelling
- Structural and thermal calculations
- Elaboration of detailed design drawings
- Elaboration of fabrication drawings
- Elaboration of installation drawings and schemes
- Elaboration of steel fixation structures and bearing sub constructions
- Development of method statements

“Leader” Tower, Saint-Petersburg, Russia

✓ **DESIGN WORKS**



✓ FAÇADE PROJECT MANAGEMENT

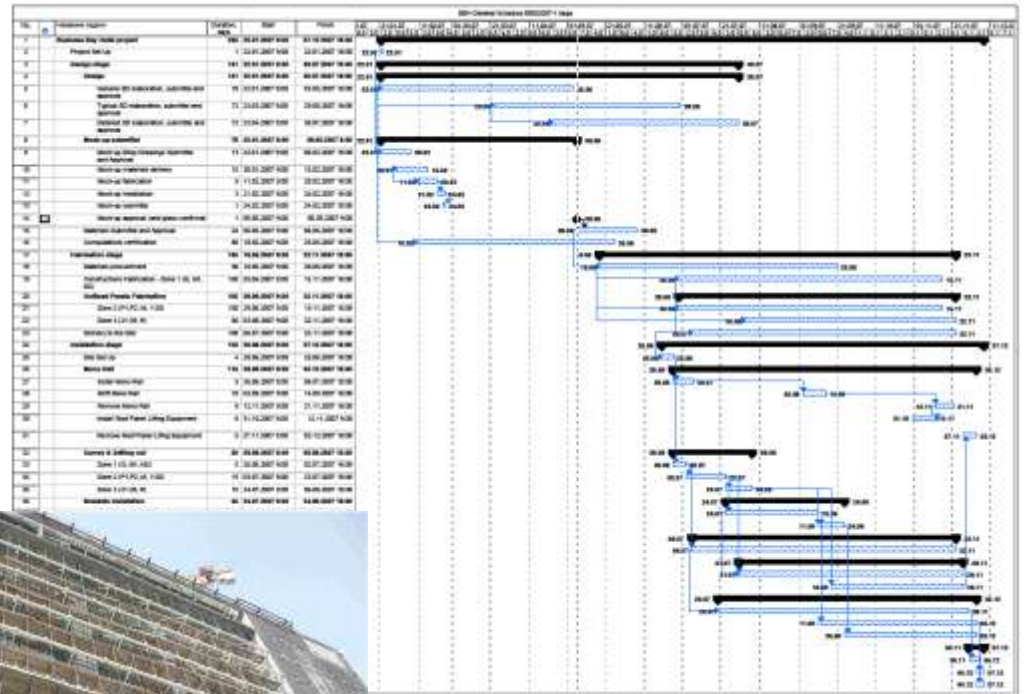
Target groups: Customers, General Contractors, Façade Contractors

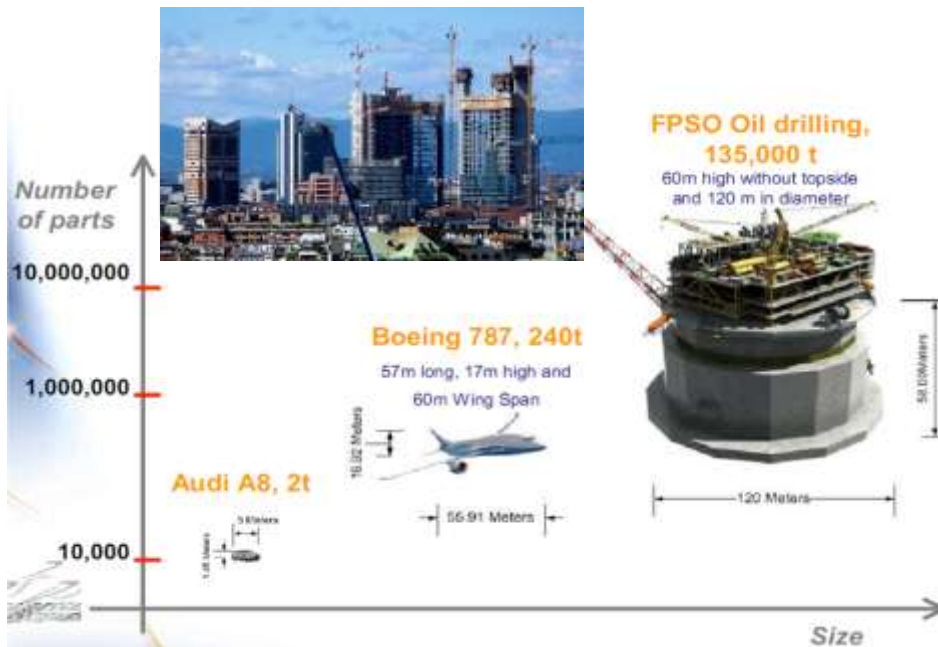
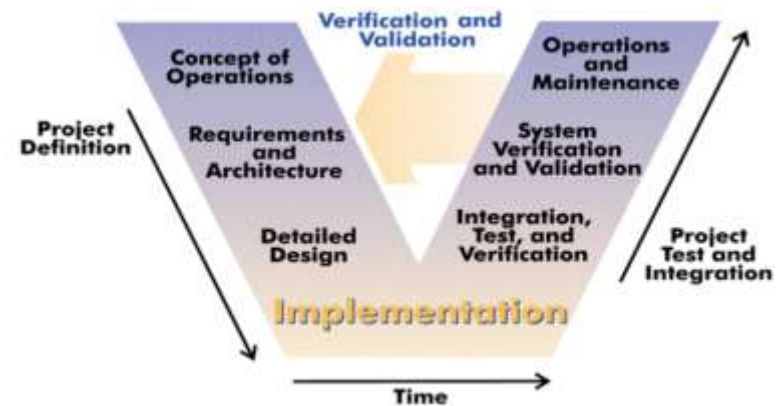
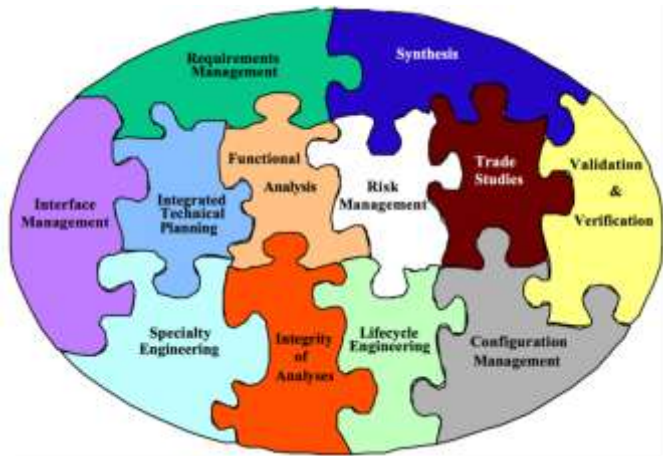
Types of works:

- Budgeting and project financial management
- Preparation and introduction of the project time schedule
- Preparation, introduction and auditing of quality control system
- Elaboration of logistics plan
- Legal support (supply agreements, country of origin definition etc.)
- Preparing project reporting
- Presenting the client interests at project meetings
- Project risks management

Business Bay Hotel, Dubai, UAE

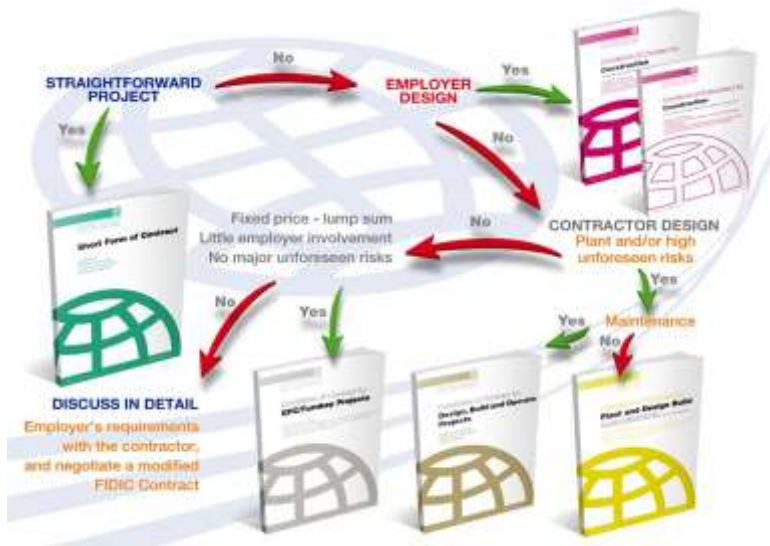
✓ PROJECT MANAGEMENT





Systems Engineering is an interdisciplinary approach and means to enable the realization of successful systems. It focuses on defining customer needs and required functionality early in the development cycle, documenting requirements, then proceeding with design synthesis and system validation while considering the complete problem.

Systems Engineering integrates all the disciplines and specialty groups into a team effort forming a structured development process that proceeds from concept to production to operation. Systems Engineering considers both the business and the technical needs of all customers with the goal of providing a quality product that meets the user needs.



International Federation of Consulting Engineers (FIDIC)

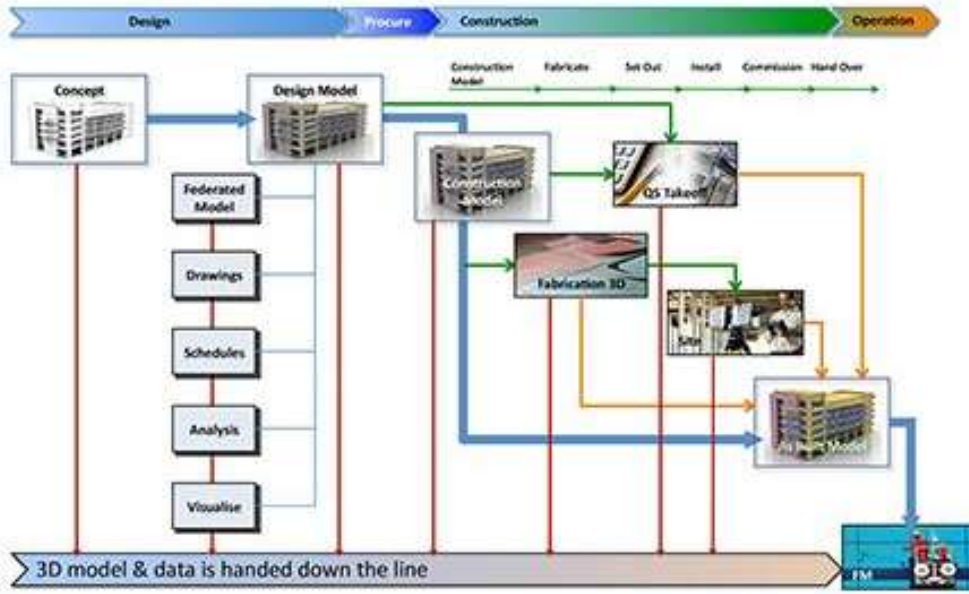
In our work we actively use FIDIC principles and standards forms of contracts (especially while working as a Façade Consultant)

The International Federation of Consulting Engineers (commonly known as FIDIC, acronym for its French name Fédération Internationale Des Ingénieurs-Conseils) is an international standards organization for the construction industry, best known for the FIDIC family of contract templates.

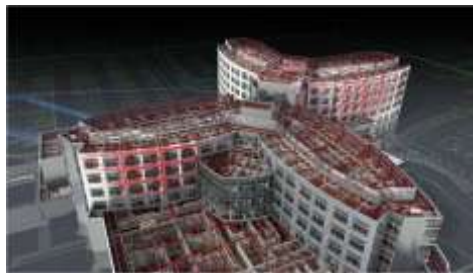
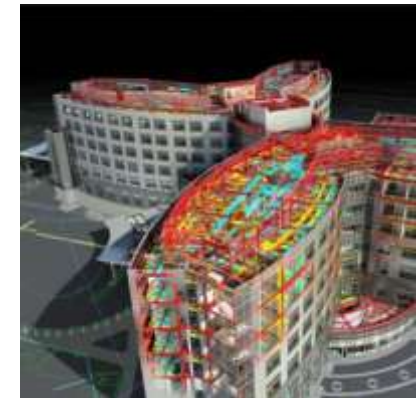
This allows us to provide our clients with the best possible services and create well balanced and reliable working schemes fairly combining the Client's requirements and project participant's responsibilities



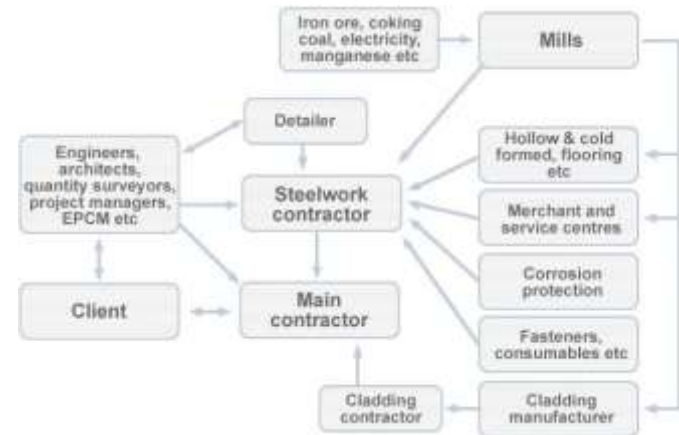
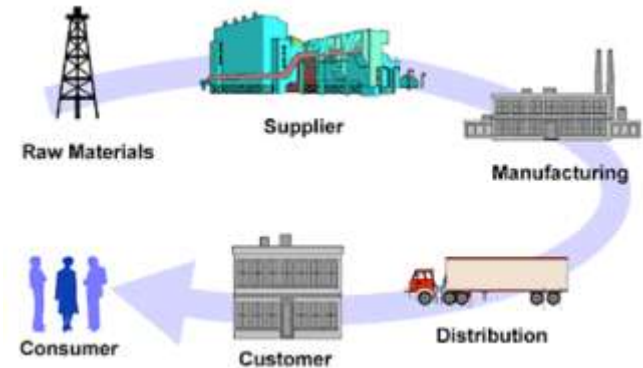
BIM – Process Overview



Construction has become increasingly complex, with tighter schedules and budgets. Use BIM approach and software helps to streamline workflows, maintain more accurate information, and keep BIM construction projects moving forward more predictably.



- Our approach to façade design – as it is mechanical engineering, not construction, and we have this mechanical engineering experience
- We know and understand facades from the basics, so we have less biases
- We have our own structural engineers and 3D designers
- We recognize, understand and use FIDIC, PM practices and Systems Engineering
- Almost all our projects are international, so we know how to work remotely.
- We worked with “big names” in our field and benefited from this.
- We are relatively small, flexible, reliable and stubborn. We are used working within tight schedule.



Artem Buturlin

CEO

+7 (916) 800 6817

a.buturlin@itl-engg.com

Igor Avzin

Project Management

+375 (29) 676 0647

i.avzin@itl-engg.com

Victor Temkin

Façade design & consulting

+7 (916) 118 7806

v.temkin@itl-engg.com

Vladimir Ryzhkov

Façade design & consulting

+375 (29) 640 6408

v.ryzhkov@itl-engg.com

ITL ENGINEERING

29/2 , Olympic pr.,
141006, Mytishy, Moscow Region,
Russia.

43-32, Narodnaya str.,
220026, Minsk,
Belarus

21, Uruchskaya str.,
220026, Minsk,
Belarus

www.itl-engg.com