



INTECH
ENGINEERS & CONTRACTORS

COMPANY PRESENTATION

COMPETENT ENGINEERING FOR YOUR BUSINESS SUCCESS



FOREWORD

INTECH was established as a **planning, design and engineering company** in September 1990. At present INTECH's activities are concentrated on turn-key plants mainly in **chemical, petrochemical, pharmaceutical industry and related industries**

INTECH is able to offer you a complete range of services. The scope and extend of delivery covers complete **EPC activities** - from feasibility studies and Basic Engineering, through Authority Engineering, Detail Engineering, Procurement, Purchasing up to Construction activities and plant start-up.

INTECH has the necessary **resources, background and expertise** to perform offered services in a professional and well-organised manner. INTECH also co-operates with other engineering companies. This fact allows us to take a part in a large projects.

Only one contract partner, reduction and simplification of the process connected with project preparation and execution - these advantages are offered by INTECH, if acceleration of your business intention is decisive for your success.



OUR COMPETENCE

The Engineering services offered by INTECH cover **all activities** connected with preparation and construction of technological projects or whole plant are covering:

- project management,
- planning,
- design engineering,
- procurement
- construction including start-up

Our investments are aimed first of all on providing reliable hardware and software of high quality, which are means for creative ability support of our specialists. INTECH is using special software for designing (EiCad, AutoCad, Autoplant, Alplan, Feat, etc.), which enable our specialist to focus their activity on solution of your problems.

Our advantage is our own **experience** with the design engineering and construction of the technological complexes also in co-operation with foreign partners and our **flexibility** at problems solution..



PROJECT MANAGEMENT

Complexity of processes connected with project execution and variety of the activities connected with them, impose high demands on planning, organisation and control of human, material and financial resources. The result of this process shall be a project which ensures **economic, reliable and safe operation** without inappropriate influences on environment.

For the project execution a team of engineers and technicians is established, mainly from own personal sources, which is able to solve on professional level problems connected with planning, design, procurement and construction.

The project team is led by **project manager** (PM) who is responsible for the entire work regarding quality, economy and agreed time schedule.

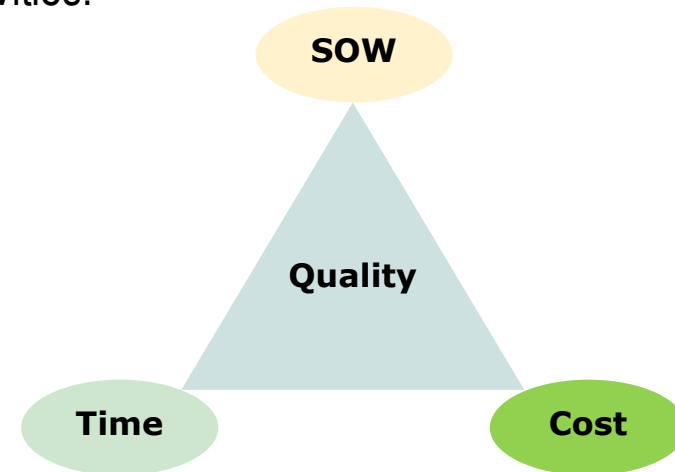
PM maintain continuous **contact with the Client**, submits a monthly progress report giving a review of the work performed and information regarding necessary changes and modifications of the project concept made during the progress of the design phase.

PROJECT MANAGEMENT

PM organises common **project meetings** with the Client, main target of which is to reach conformity between requirements on technical solution level and investment means.

The project management covers following activities:

- Tasks and resources planning
- Co-ordination (client-authorities-vendors)
- Scheduling and cost control
- Progress control and progress reporting
- Quality control





PLANNING

First and often unavoidable step of each project is **reviewing of its feasibility** from technical and economical viewpoints.

An inevitable foundation for the resolving process is to **determine demands** on technical and architectural solutions, operational capacities, appropriate site location, determination of needs for raw materials and energy requirements, manpower, reaching of solution agreement with common interests at regions of environmental protection, safety and health protection at work and fire protection, cost estimates, etc.

- Costs estimation
- Time schedule
- Resources
- Quality
- Communication
- Risk



DESIGN ENGINEERING

This phase of the project implementation has usually three stages. In order to accelerate the approval process predetermined by Construction Law valid in Slovakia, INTECH elaborates in the first stage Authority Engineering documentation attached to application for:

- Plant location permit
- Plant building permit

The documentation for the **location permit** determines requirements on the solution concept of the future plant with limiting of demands on its execution from time and sources covering viewpoints. It states also requirements on environmental protection, safety work, health protection and fire protection.

The documentation for the **building permit** is the first complete technical and architectural solution of the future plant. It determines the plant function, its extent and the environmental influence.

The **detailed design** is the last step of the design documentation elaborated in details which are necessary for procurement and construction.



PROCUREMENT

According to the elaborated detailed technical specifications included in the bidding documents, INTECH contacts several credible suppliers. Process of offers evaluation follows in order to select most suitable suppliers in terms of quality, reliability and financing. This process will ensure **high quality of deliveries at acceptable costs**.

During manufacturing period INTECH performs inspection activity concentrated on quality control, compliance of the deliveries with the design specification and requested delivery time schedule. All these activities enable INTECH to perform measures eliminating any influence of contingent deviations from final target reaching.

- RFQ, solicitation
- Evaluation of bids and supplier selection
- Purchase orders and contract awards
- Logistic, shipping



CONSTRUCTION INCL. START-UP

Construction activities start during the design work. These activities are driven by Client's demands for **keeping the deadline** of the plant start-up, requests for quality of performed works at acceptable costs.

INTECH - as an engineering company - carries out construction work in cooperation with **well-proved and competent suppliers**.

- Construction planning
- Field procurement
- Equipment installation
- Commissioning
- Start-up support
- Training



WE OFFER YOU

FLEXIBILITY

high speed response on potential unexpected problems and availability
more simply = less expensive

KNOWLEDGE & EXPERIENCE

local conditions and regulations
special Client's demands
specific site experience

COST SAVING

due to participation of our competent specialists on early stage of project design
concept and clear scope and work content definition

TIME SAVING

acceleration of ItB and RFQ processes
time overrun = cost overrun

Faster – better – less expensive

INTEGRATED MANAGEMENT SYSTEM

INTECH has certified integrated system by

- ISO 9001
- ISO 14001
- OHSAS 18001



CERTIFICATE OF APPROVAL

This is to certify that the Management System of:

**INTECH, spol. s r.o.
Vičie Hrdlo
824 12 Bratislava
Slovak Republic**

has been approved by Lloyd's Register Quality Assurance to the following
Quality, Environmental and Safety Management System Standards:

ISO 9001:2008 ISO 14001:2004 OHSAS 18001:2007

The scope of this approval is applicable to:

**Design, engineering, procurement and construction
management of production units for oil refining
and chemical, petrochemical and related industries.**

Approval Certificate No: PRA 0003998	Original QMS Approval: 23 March 2000
	Original EMS Approval: 1 March 2013
	Original SMS Approval: 1 March 2013
	Current Certificate: 1 March 2016
	Certificate Expiry: 14 September 2018

Handwritten signature: Karel Kováčik

Issued by: Lloyd's Register EMEA, Prague office,
for and on behalf of Lloyd's Register Quality Assurance Limited



Těborská 31, 146 00 Prague 4, Czech Republic
for and on behalf of Lloyd's Register Quality Assurance Limited, Birmingham, B37 7YU, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this document as "Lloyd's Register". Lloyd's Register Group Limited and its subsidiaries are not liable for any person or organization who copies or reproduces, in whole or in part, any information or data in this document or otherwise provided, without the prior written consent of the relevant Lloyd's Register entity. For the purposes of this document, Lloyd's Register Group Limited and its subsidiaries are not liable for any person or organization who copies or reproduces, in whole or in part, any information or data in this document or otherwise provided, without the prior written consent of the relevant Lloyd's Register entity.



OUR REFERENCES

Chemical industry

- organic chemicals
- rubber chemicals
- agriculture chemicals
- detergents production
- inorganic chemicals

Petrochemical industry

- large storage tanks
- pumping stations
- oil refining plant

Ecology

- waste incineration plants
- Deoilers - VOC recovery system
- Vapour recovery units

Pharmacy

- medium preparation
- sterile operations
- clean spaces Storage areas, loading and unloading equipment :

Storage areas

- aggressive liquids
- combustible liquids
- storage terminals and distribution centres
- liquefied gases (LPG) storage mounded tanks and filling equipment

Ask us for further details or check out our web site www.skintech.sk



CONTACT US

Do you intend to make investment into technological equipment, to revamp or to modernise your plants?

Ask our specialists, they will help you to find **optimal solution** of your problem.



INTECH, spol. s r.o.

**Vičie hrdlo
824 12 Bratislava
Slovak Republic**

Tel: +421 2 4552 73 55

Fax: +421 2 4552 73 59

intech@skintech.sk

www.skintech.sk