We are experts in complex engineering projects, providing interdisciplinary & technical solutions.
Integrative solutions for complex engineering projects based on a broad spectrum of experience and international know-how
A strong foundation.

As a company of chartered engineers, iC is a licensed expert in the following areas:

- Civil engineering - structural engineering
- Mechanical engineering
- Forestry & wood management
- Earth sciences
- Electrical engineering
- Environmental engineering & water management
Interdisciplinary expertise helps us keep our finger on the pulse.

- Project planning and computation
- Tendering and award of contract
- Project management
- Control and monitoring
- Surveys and consultancy
- Due diligence
Passion & principles are not opposites.

iC has a certified ISO 9001-2015 and ISO 14001-2015 quality assurance program in place.

According to iC’s policy, which is based on the Compliance Management System, our business activities are conducted strictly in line with all applicable laws, rules and regulations.
With more than 600 hundred colleagues we provide solutions for projects worldwide, based on our global know-how, competencies on site and experience in 100 countries.

Vienna • Salzburg • Villach • Innsbruck
Athens • Belgrade • Brisbane • Greifenberg • Kyiv
Ljubljana • Lund • Pristina • Sarajevo • Skopje
Sofia • Tbilisi • Tirana • Varaždin

Ready for the challenges of the future – worldwide.
Technical fields

The technical fields of iC offer solutions for complex tasks in the area of conflict between society, politics, environment and economy.
Building & Structures
Professional and reliable support and handling of all building construction services in Germany and abroad. With extensive know-how and a lot of experience, our experts solve complex issues and tasks.
Building & Structures

Services

- General planning
- Project monitoring
- Site supervision
- Structural design
- Building physics
- Planning
- Expert opinions and consulting services
- Project management
Educational Campus Landgutgasse - new building

Project Overview

Client: Municipality of the City of Vienna, MA 19, ARGE STRABAG / Caverion / HYPO NOE Leasing

Location: Vienna, Austria

Timeline: 2019–2023

Services: General planning

Architecture: Schluder Architects
Austro Tower - Construction of a high-rise Office Building

**Project Overview**

**Client:** Soravia Group GmbH

**Location:** Vienna, Austria

**Timeline:** 2018–2022

**Services:** Site supervision and site management, site supervision civil engineering, site supervision mechanical facilities, site supervision electrical facilities
ÖBB Training Campus
St. Pölten - new building

Project Overview

Client: ÖBB-Infrastruktur AG

Location: St. Pölten, Austria

Timeline: 2018–2022

Services: General planning

Architects: F + P Architekten
Renovation, conversion and extension Cobenzl, 1190 Vienna

Project Overview

Client: Supernova Beteiligung GmbH

Location: Vienna, Austria

Timeline: 2018–2022

Services: General planning

Architects: Realarchitektur & mostlikely architecture
iC's experts guarantee the professional and reliable supervision and implementation of all services in the field of building construction in Austria and abroad, such as design, site supervision, structural design, building physics or project monitoring.
iC’s experts guarantee the professional and reliable supervision and implementation of all services in the field of building construction in Austria and abroad, such as design, site supervision, structural design, building physics or project monitoring.
Technical Building Equipment
Technical Building Equipment

Intelligent technical systems for sustainable and energy-efficient operation of buildings and infrastructure.

© Lukas Dostal/Austrian Power Grid AG
Planning and technical construction supervision
Accompanying control (deadlines, costs, quality)
Technical expertise and consulting services
Electromagnetic fields (EMF) in power engineering
Technical due diligence and project audits
Specialization in hospitals, educational facilities, tunnel projects and district heating
Renewal Cooling Plants
UZA II

Project Overview

Client: University Vienna

Location: Vienna, Austria

Timeline: 2019–2021

Services: Project management, local construction supervision for the trades HVAC, ET, structural engineering
Koralm Railway Graz - Klagenfurt

Project Overview

Client: ÖBB-Infrastruktur AG

Location: Austria

Timeline: 2020–2024

Services: Site supervision mechanical facilities, site supervision electrical facilities
Residential building North 19

Project Overview

Client: WINO GmbH
Location: Vienna, Austria
Timeline: April 2019–December 2019
Services: Controlling for construction projects
Archdiocese of Vienna - Reconstruction Archbishop's Palace

**Project Overview**

**Client:** Building office of the Archdiocese of Vienna on behalf of various organizational units

**Location:** Austria

**Timeline:** 2005–2012

**Services:** Planning, tendering and site supervision for structural engineering, building physics, electrical engineering, HVAC, instrumentation and control, safety, noise and vibration
The pool of experts from all fields of building services and electrical engineering allows topics such as energy efficiency, convenience, sustainability, security checks, access control, electricity supply, waste heat recovery and utilisation of technical informatics to be dealt with in-house.
Strong engineering skills, smart technologies and a clear understanding of mobility requirements are the basis for a capable transport infrastructure and reliable services.
Transport & Mobility

Services

Planning and cost estimates
Applications for project financing
Studies on feasibility, economic efficiency and environmental compatibility
Technical planning – concepts and details
Tendering according to national and international guidelines
Tender evaluation and procurement support
Contract management
Site supervision according to national and international guidelines (FIDIC, EU PRAG etc.)
Supervision of IT system integration into transport infrastructure (ITS)

© Lukas Dostal/Austrian Power Grid AG
Highway E60 Samtredia – Grigoleti

Project Overview

Client: Road Department of the Ministry of Regional Development and Infrastructure of Georgia

Location: Georgia

Timeline: 2013–2021

Services: Site supervision, FIDIC Engineer’s services, contract and claims management
Railroad line Nikšić – Podgorica

Project Overview

Client: Railroad Infrastructure of Montenegro Željeznička Infrastruktura Crne Gore AD (ŽICG)

Location: Montenegro

Timeline: 2018–2022

Services: Topographical surveys, geotechnical investigations, rockfall modelling designs, specifications, tender documents, procurement support, site supervision/FIDIC engineer, project & contract management support
Iron Gate 1 Navigation Lock

Project Overview

Client: Ministry of Construction, Transport and Infrastructure

Location: Serbia and Romania

Timeline: 2019–2023

Services: Site supervision under FIDIC Yellow Book
Upgrade of Tolling System on Corridors VIII and X in North Macedonia

Project Overview

Client: Public Enterprise for State Roads, (PERS)/EBRD financed

Location: North Macedonia

Timeline: 2011–2023

Services: Project management, system concept, designs, specifications, tender documents, procurement support, contract management and technical assistance
Many years of iC expert’s experience in transportation and mobility are no contradiction in being open to smart technologies - on the contrary, they are the common foundation for meeting the mobility needs of the 21st century.
Construction & Project Management
The lasting success of projects is based on our expertise in construction economics and networking with all departments of iC.
Construction & Project Management

Services

- Project management and owner’s representative services
- Project control
- Site supervision
- Project monitoring, construction monitoring and bank monitoring
- Master planning
- Cost and schedule control
- Technical due diligence and project audits
- FIDIC engineer
- Health and safety planning according to the Austrian Construction Work Coordination Act (BauKG)
- Expert opinions and consulting in the field of construction economic
Wien Museum Neu

Project Overview

Client: Museen der Stadt Wien

Location: Vienna, Austria

Timeline: 2019–2025

Services: Site supervision and site management, site supervision building construction, site supervision electrical facilities, site supervision mechanical facilities
Call from the framework agreement on project management services (Project controlling and site supervision) for the House of Science Engineering (HoSE) on the FH Campus Vienna

**Project Overview**

**Client:** FH Campus Wien, House of Engineering GmbH

**Location:** Vienna, Austria

**Timeline:** 2019–2023

**Services:** Project management, site supervision
Airport Vienna Terminal 2

Project Overview

Client: Vienna Airport AG

Location: Schwechat, Austria

Timeline: 2018–2021

Services: Site supervision, construction coordination
General renovation of parliament building

Project Overview

Client: Parliamentary Directorate Vienna

Location: Vienna, Austria

Timeline: 2013–2024

Services: Project monitoring
Our construction expertise and networking with all iC departments ensure sustainable project success.

In order to continually advance knowhow, the technical field has become an active partner of the technical universities: apart from holding core courses, it supervises scientific work and performs application-oriented research and software development outside of the company.
Geological, geotechnical and hydrogeological engineering, planning services, consulting and site supervision in the fields of infrastructure, geothermal energy, wind power, hydropower and mining projects.
Services

Geology & Geotechnical Engineering

Site investigation, mapping
Geotechnical measurements
Data processing and interpretation
3-D modelling
Geotechnical design and dimensioning
Stability calculations
Expert opinions
Consulting and documentation
Site supervision and monitoring
Risk assessment and management
Geothermal energy
Yusufeli Dam,
540 MW Hydropower Plant

Project Overview

Client: Su-Yapi Mühendislik

Location: Yusfeliu, Turkey

Timeline: 2013–ongoing

Services: Geological investigation, geotechnical consultancy, rock mechanics study, geotechnical cut slope design, excavation and support design for caverns
ÖBB High Speed Rail Graz-Klagenfurt Koralmbahn, St. Kanzian Tunnel Chain lots 60.3 and 60.5 Geological Documentation and Consulting

**Project Overview**

**Client:** ÖBB-Infrastruktur AG

**Location:** Graz – Klagenfurt, Austria

**Timeline:** 2015–2020

**Services:** Geological construction documentation, geotechnical consultancy, expert statement
City street Vienna
BIM building ground model

**Project Overview**

**Client:** Magistrate of the City of Vienna

**Location:** Vienna, Austria

**Timeline:** 2020–2021

**Services:** Geological and soil chemical model, modeling of excavation geometry, mass determination
Deutsche Bahn Geo risks: planning for rock and slope protection, packages of measures for FHSKASSEL, FHSHELLGRÜN and FHSROSA

Project Overview

Client: DB Netz AG

Location: Germany

Timeline: 2019–ongoing

Services: Terrain surveys, 3D rockfall simulations for dimensioning as well as the design and approval planning of all plants
In our offices in Salzburg, Vienna and Ljubljana our geologists and geotechnical engineers offer geological and geotechnical planning and consulting for projects in the fields of infrastructure, tunnelling, mining, hydropower and wind power.
In our offices in Salzburg, Vienna and Ljubljana our geologists and geotechnical engineers offer geological and geotechnical planning and consulting for projects in the fields of infrastructure, tunnelling, mining, hydropower and wind power.
Our experts and designers offer professional and interdisciplinary solutions for geotechnical and underground engineering and mining.
Services

Civil and structural design for tunnels (NATM and TBM), shafts, open cuts, slopes and foundations

Geotechnical supervision and support for underground works

Risk management

BIM-modelling and coordination

Construction management

Health & safety management

Project management and control
New Semmering Base Tunnel

Project Overview

**Client:** ÖBB-Infrastruktur AG

**Location:** Gloggnitz – Mürzzuschlag, Austria

**Timeline:** 2009–2026

**Services:** Tunnel design in the alignment selection process, for environment impact assessment and for construction permission, tender design and final design of the tunnel, emergency station and shafts and as-built drawings, geotechnical consultancy during construction.
Deutsche Bahn, NBS Stuttgart-Ulm Albaufstieg, Bosslertunnel

Project Overview

Client: Arbeitsgemeinschaft Albaufstieg (ATA) (Porr/Hinteregger/Östu/Swietelsky)

Location: Wendlingen – Ulm, Germany

Timeline: 2012–2020

Services: Design planning TBM tunnelling and tubbings, detailed design NATM and TBM tunnels, connecting structures
Divaca-Koper New Railway Line

**Project Overview**

**Client:** 2TDK, Družba za razvoj projekta d.o.o.

**Location:** Slovenia

**Timeline:** 2019–2024

**Services:** Design, approval and execution planning of the 27km long line with 8 tunnels (total 37km), BIM modeling, departmental coordination and overall coordination.
Llogara Tunnel
Albania

Project Overview

Client: Ministry of Infrastructure and Energy

Location: Llogara-Pass, Albania

Timeline: 2020–2021

Services: Feasibility study, geological survey and expert opinion, design planning, preparation of tender documents, detailed design
Our geotechnical and civil engineering and mining experts with 15 to 35 years of experience from projects in Austria and abroad lead a team of over 130 engineers at three locations, Vienna, Salzburg and Ljubljana.
Our geotechnical and civil engineering and mining experts with 15 to 35 years of experience from projects in Austria and abroad lead a team of over 130 engineers at three locations, Vienna, Salzburg and Ljubljana.
Environment
We care about protecting the environment and human beings from all kinds of pollutants. By creating sustainable buildings with optimized building physics to live and work in and by cleaning up where asbestos is causing problems, we redesign the living environment of man.
Environment

Services

Immission control: noise, vibrations, air hygiene, climate, electromagnetic fields or light and shading

Measurement activity and monitoring in all departments

Accredited testing laboratory

Building dynamics, building dynamic simulations, vibroscan measurements

Planning, tendering and supervision of the disposal of pollutants

Building physics, energy efficiency analyses
Brenner Base Tunnel

Project Overview

Client: BBT SE

Location: Austria, Italy

Timeline: 2009-2024

Services: Vibration monitoring during construction
EIA Northern Railway: Vienna Süßenbrunn - Bernhardsthal

Project Overview

**Client:** ÖBB-Infrastruktur AG

**Location:** Süßenbrunn – national border, Austria

**Timeline:** 2017-2027

**Services:** Expert contributions on immissions to the environmental impact statement
Vienna Central Station

Project Overview

Client: ÖBB-Infrastruktur AG

Location: Vienna, Austria

Timeline: 2009-2015

Services: Preservation of evidence immissions, processing of subsidies for structural measures of noise control, acoustic design platform level, detail design ground heat plant
Koralmbahn Graz - Klagenfurt

Project Overview

Client: ÖBB-Infrastruktur AG

Location: Austria

Timeline: 2000–2024

Services: Export support in the fields of vibrations, noise and air quality
Our success in the technical field of environment is based on closely linking measurement techniques with our work as experts – combining theory and practice. The **team of experts** includes civil engineers, mechanical engineers, geophysicists, meteorologists, electrical engineering technicians, chemists and biologists and thus has a wide range of experience at its disposal.
Water Management
Water is life - and our element! Our experience and commitment not only produce innovative solutions in individual projects, but also affect national and international water sector developments.
Surveying and remote sensing:
Terrestrial, GPS, echo sounder, laser scanning, drone and diving robot, hydrological and bed load measurements

Natural hazards:
Flood event docu, runoff analysis, hazard zone plans, risk analyses

Hydraulic engineering:
Flood protection, river renaturation, power plants, fish ladders

Construction and construction supervision:
Tendering and contracting, site supervision, construction site coordination

Numerical modeling
Research and development
Flood protection Lavamünd

**Project Overview**

**Client:** Marktgemeinde Lavamünd  

**Location:** Lavamünd, Austria  

**Timeline:** 2012–ongoing  

**Services:** Detailed design, tender design, coordination for safety and health matters, site supervision
Run-off analysis Slovenian Drava

**Project Overview**

**Client:** Verbund Hydro Power GmbH

**Location:** Slovenia

**Timeline:** 2019–ongoing

**Services:** 2D runoff investigation on the Slovenian Drava from the border with Austria to the border with Croatia (approx. 140 km)
Fish bypass power plant
Annabrücke – River Drau

Project Overview

Client: Verbund Hydro Power GmbH

Location: Annabrücke, Austria

Timeline: 2017–2020

Services: Detailed design, tender design, site supervision
Bathymetric survey river Inn

**Project Overview**

**Client:** Office of the Tyrolean Provincial Government

**Location:** Austria

**Timeline:** 2020

**Services:** Terrestrial and GPS surveying, echo sounding, analysis
The water division is mainly handled by our subsidiary **flussbau iC**, which is an internationally active company based in Villach and Vienna. Our **experts cover the entire field of hydraulic engineering**, including studies of natural hazards, surveys and monitoring, hydropower, morphology studies as well as construction supervision and works management, to the entire measurement technology in hydraulic engineering, geoinformation systems and numerical modelling (hydrodynamics and solids 1D/2D/3D) as well as infiltration.
Implementation of integrated energy and building solutions for sustainable urban and rural development.
Project development:

- Site investigations
- Site analyses
- Market potential analyses
- Due diligences
- Feasibility studies
- Integrative energy concepts
- Cost/benefit/life cycle analyses
- Profitability analyses
- Conceptual design
- Energy efficiency audits
- Building certificates
Services

Energy

Implementation:
- Detailed planning
- Detailed design
- Tendering
- Project management
- Execution design
- Site supervision
- Commissioning
Geothermal Usage Rail Control Center Spittal

**Project Overview**

**Client:** ÖBB-Infrastruktur AG

**Location:** Spittal, Austria

**Timeline:** 2019–ongoing

**Services:** Feasibility study, hydrogeological and thermal analysis, water law submission, tender and detail design
Caucasus Green Economy Financing Facility (Caucasus GEFF)

Project Overview

Client: IPC - Internationale Projekt Consult GmbH contracted by EBRD

Location: Armenia

Timeline: 2012–2021

Services: Bank advisory services related to EE and RE technologies, capacity building for national PFIs, development of loan products, marketing strategy, project
Improvement of district heating systems in Prishtina, Kosovo

Project Overview

Client: District Heating TERMOKOS JSC (Origin of funding: KFW, EU, SIDA)

Location: Kosovo

Timeline: 2012–2018

Services: Project management, alignment study, hydraulic modelling & GIS, conceptual design, procurement, implementation monitoring and supervision, design verification
Feasibility study: 126 MW Kairakkum hydropower plant (Tajikistan)

Project Overview

Client: Open Stock Holding Power Company Barki Tojik

Location: Sughd, Tajikistan

Timeline: 2012–2013

Services: Feasibility study
iC’s experts of the technical field of energy are the concentrated competence for the development and implementation of sustainable solutions in the areas of energy and building.
www.ic-group.org
iC consultanten Ziviltechniker GesmbH
Schönbrunner Straße 297
1120 Wien, Österreich