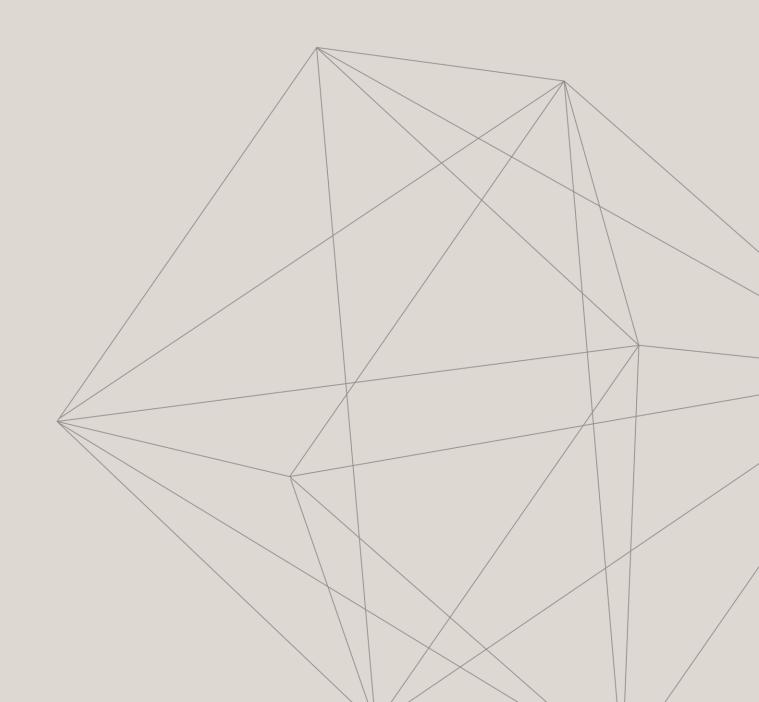


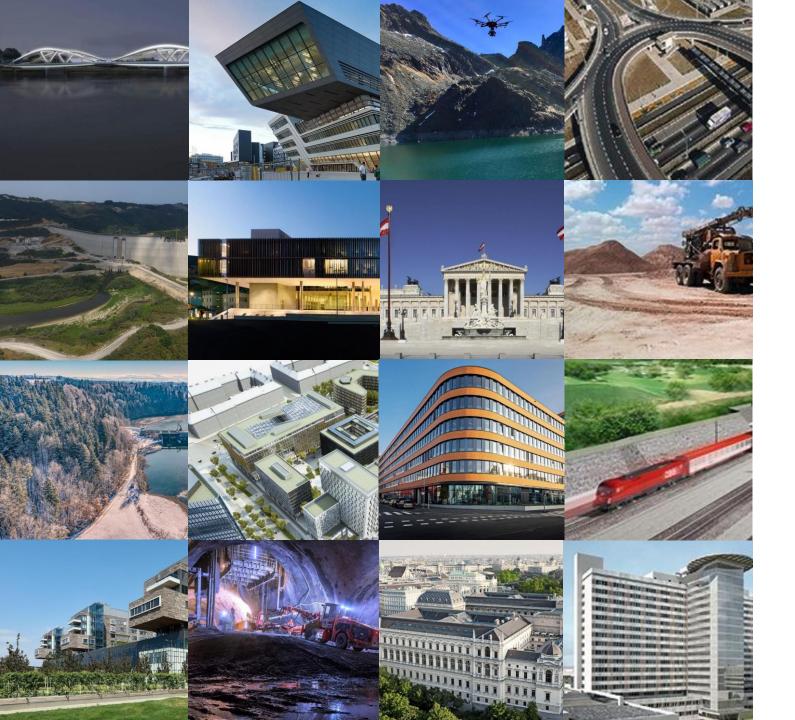
iC group of companies

Company Presentation

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



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





Project planning and computation

Tendering and award of contract

Project management

Control and monitoring

Surveys and consultancy

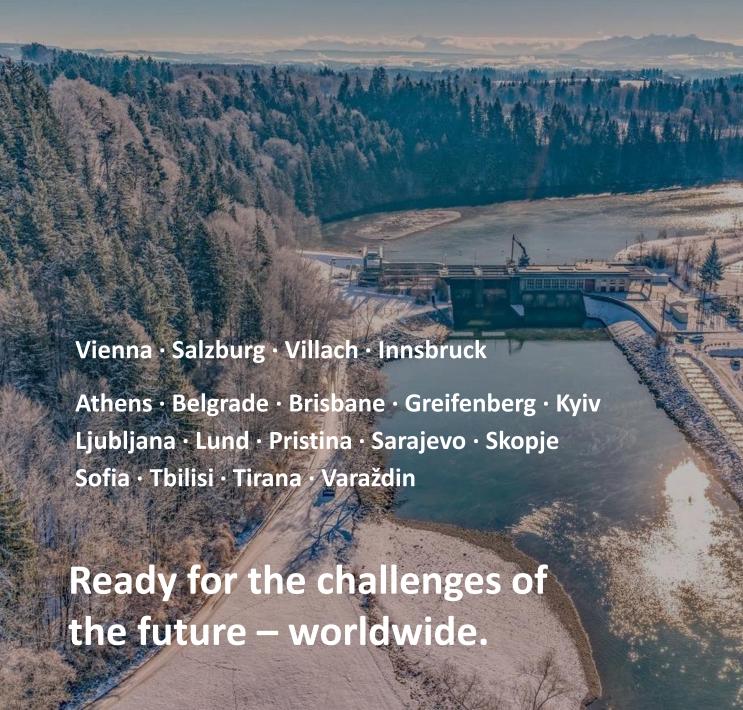
Due diligence



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.



Technical fields

The technical fields of iC offer solutions for complex tasks in the area of conflict between society, politics, environment and economy.



Buildings & Structures



Technical Building Equipment



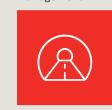
Geology & Geotechnical Engineering



Transport & Mobility



Construction & Project
Management



Tunnelling



Environment



Water Management



Energy



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.

@ IC &I Oul





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





Building & Structures

















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.



Building & Structures







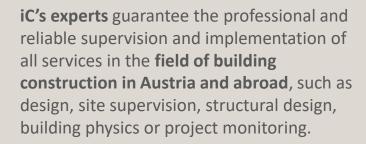
















Technical Building Equipment





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





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

© iC group



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

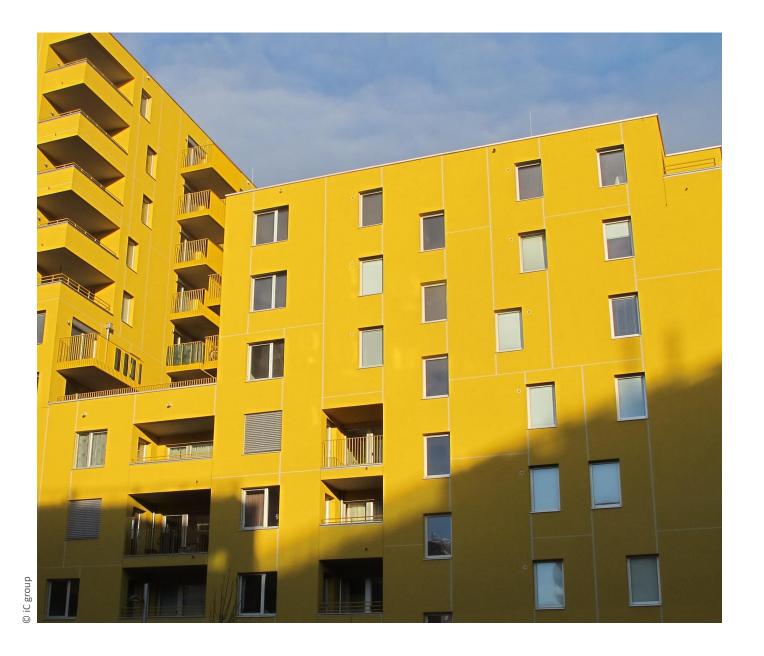
Project Overview

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





Technical Building Equipment











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.



Transport & Mobility





Strong engineering skills, smart technologies and a clear understanding of mobility requirements are the basis for a capable transport infrastructure and reliable services

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Planning and cost estimates

Applications for project financing

Studies on feasibility, economic efficiency and environmental compatibility

Technical planning – concepts and details

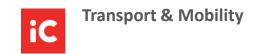
Tendering according to national and international guidelines

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)



Highway E60 Samtredia – Grigoleti

Project Overview

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

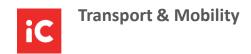
Location: Georgia

Timeline: 2013-2021

Services: Site supervision, FIDIC Engineer's services,

contract and claims management





Railroad line Nikšić – Podgorica

Project Overview

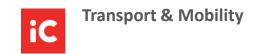
Client: Railroad Infrastructure of Montenegro Željeznička Infrastruktura Crne Gore AD (ŽICG)

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

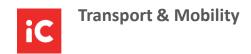
Client: Ministry of Construction, Transport and Infrastructure

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





Transport & Mobility





















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.





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



Construction & Project Management

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

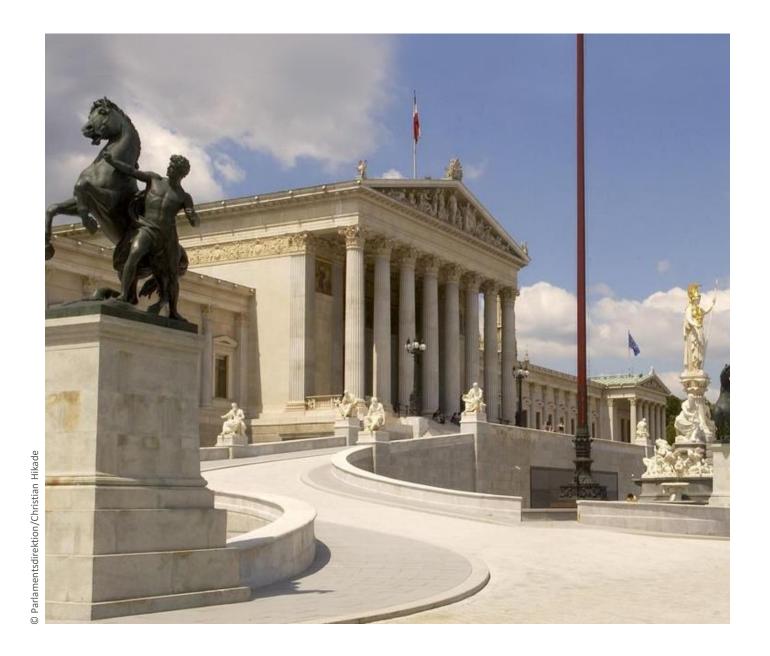
Project Overview

Client: Parliamentary Directorate Vienna

Location: Vienna, Austria

Timeline: 2013–2024

Services: Project monitoring





Construction & Project Management













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.





















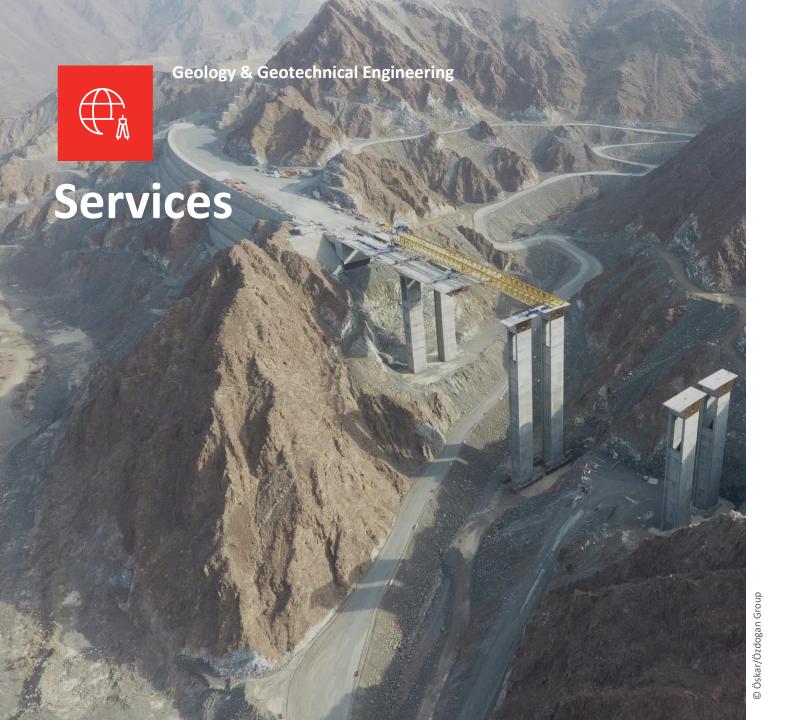


Geology & Geotechnical Engineering





Geological, geotechnical and hydrogeological engineering, planning services, consulting and site supervision in the fields of infrastructure, geothermal energy, wind power, hydropower and mining projects.



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

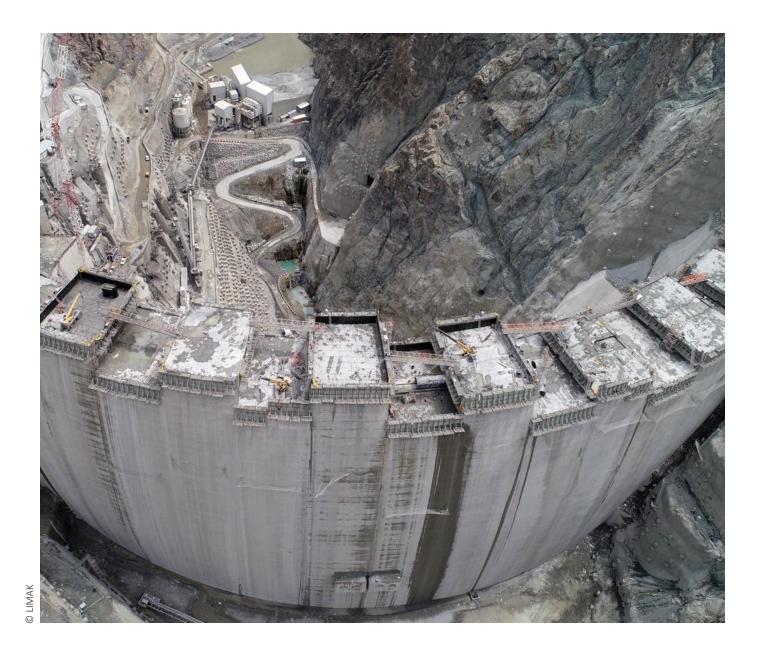
Client: Su-Yapi Mühendislik

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

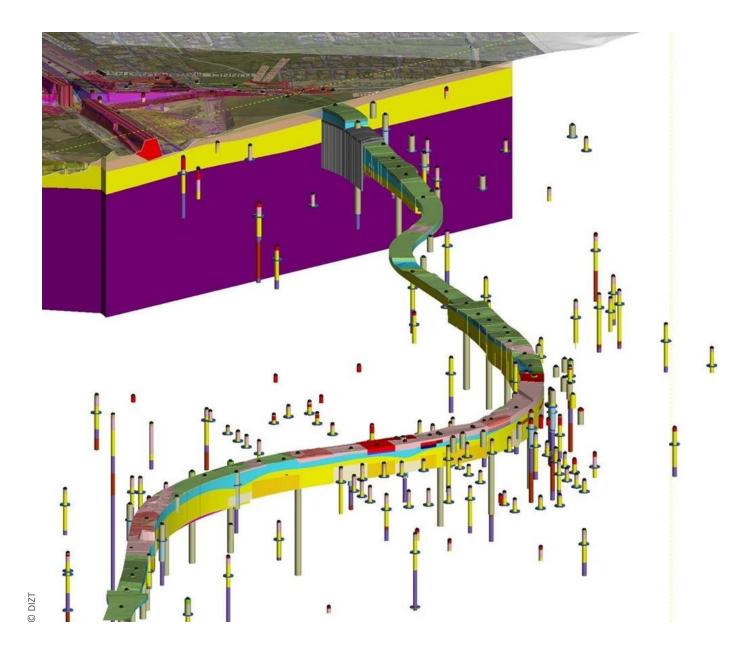
Client: Magistrate of the City of Vienna

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

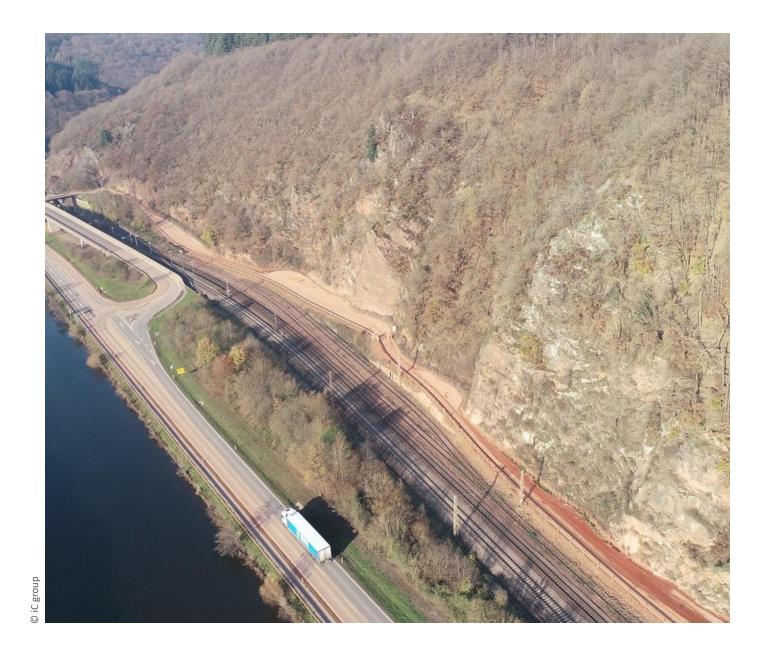
Client: DB Netz AG

Location: Germany

Timeline: 2019—ongoing

Services: Terrain surveys, 3D rockfall simulations for dimensioning as well as the design and approval planning of

all plants





Geology & Geotechnical Engineering





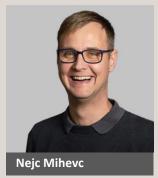






















Geology & Geotechnical Engineering











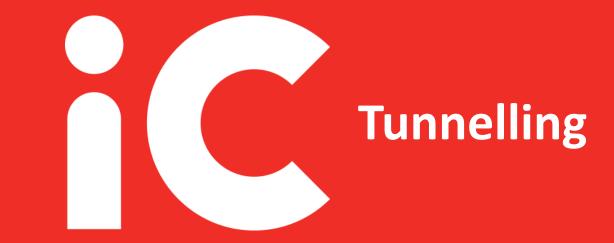






In our offices in Salzburg, Vienna and Ljubljana our geologists and geotechnical engineers offer geological and geotechnical planning and consulting for projects in the fields of infrastructure, tunnelling, mining, hydropower and wind power.









Our experts and designers offer professional and interdisciplinary solutions for geotechnical and underground engineering and mining.

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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





Divača-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



R

Tunnelling











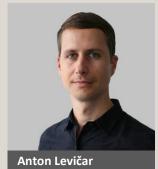
















Tunnelling







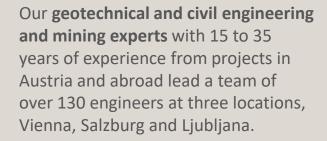










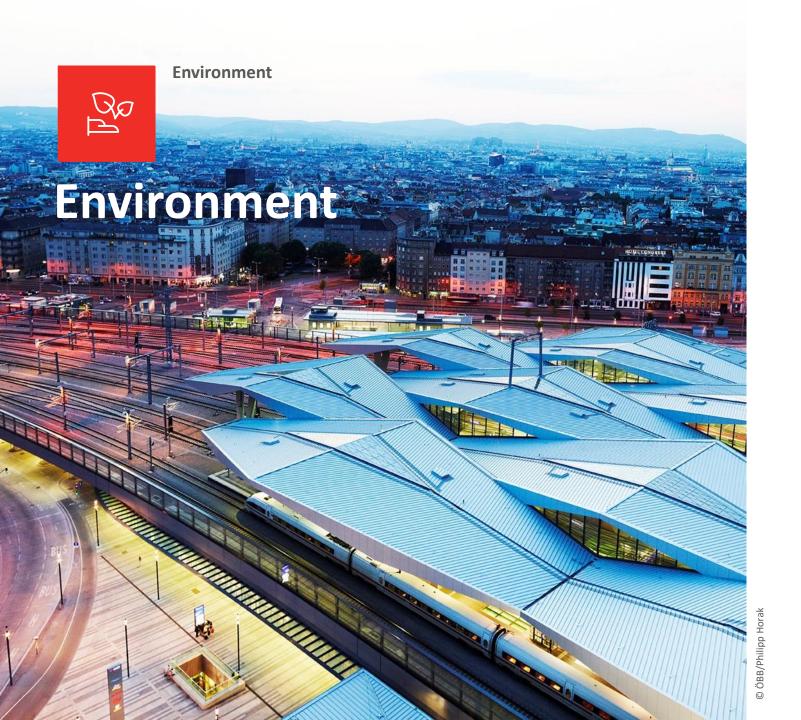












We care about protecting the environment and human beings from all kinds of pollutants. By creating sustainable buildings with optimized building physics to live and work in and by cleaning up where asbestos is causing problems, we redesign the living environment of man.





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

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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

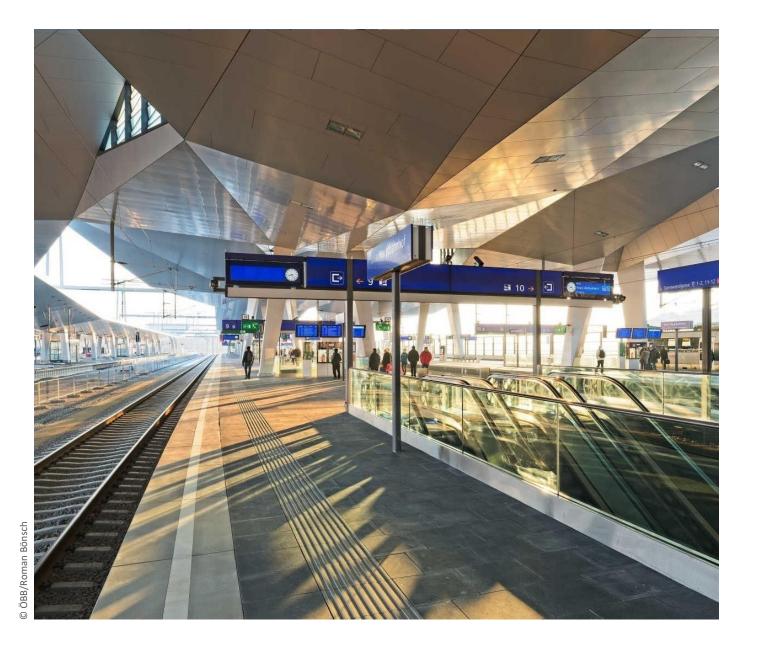
Project Overview

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

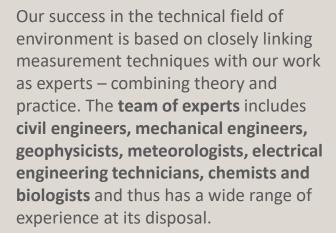
Services: Export support in the fields of vibrations, noise and

air quality



Enviro

Environment



































Water Management

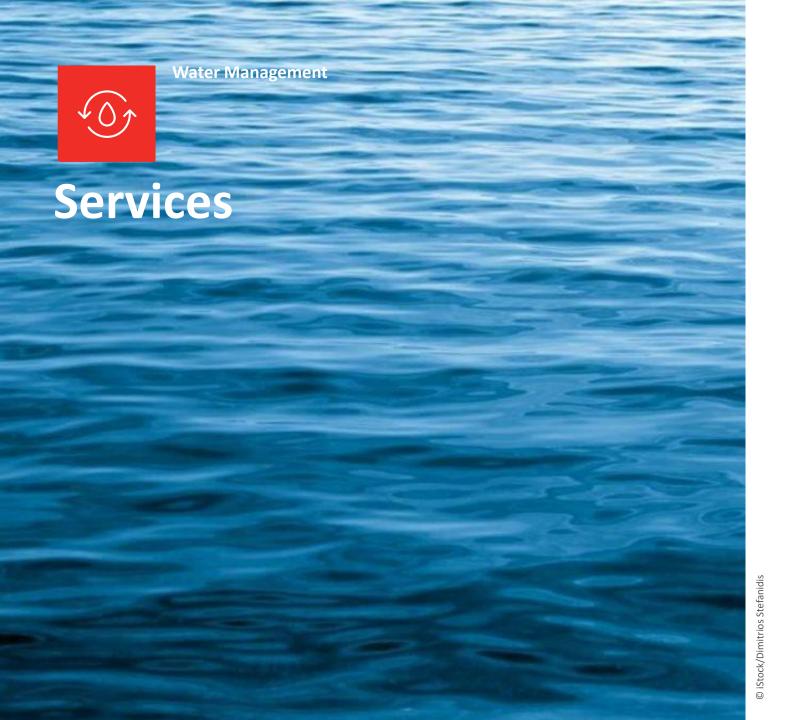




Water is life - and our element! Our experience and commitment not only produce innovative solutions in individual projects, but also affect national and international water sector developments.

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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:

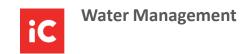
Flood protection, river renaturation, power plants, fish ladders

Construction and construction supervision:

Tendering and contracting, site supervision, construction site coordination

Numerical modeling

Research and development



Flood protection Lavamünd

Project Overview

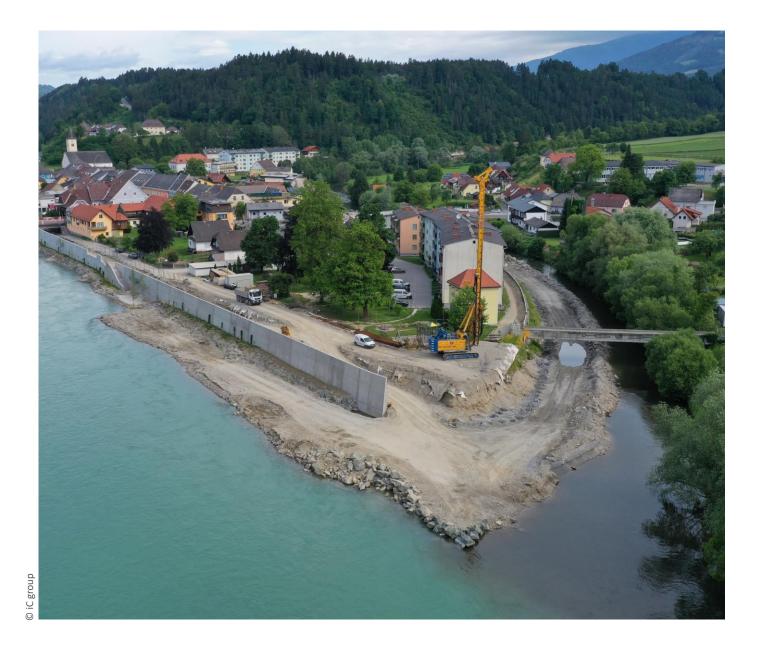
Client: Marktgemeinde Lavamünd

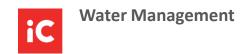
Location: Lavamünd, Austria

Timeline: 2012—ongoing

Services: Detailed design, tender design, coordination for

safety and health matters, site supervision





Run-off analysis Slovenian Drava

Project Overview

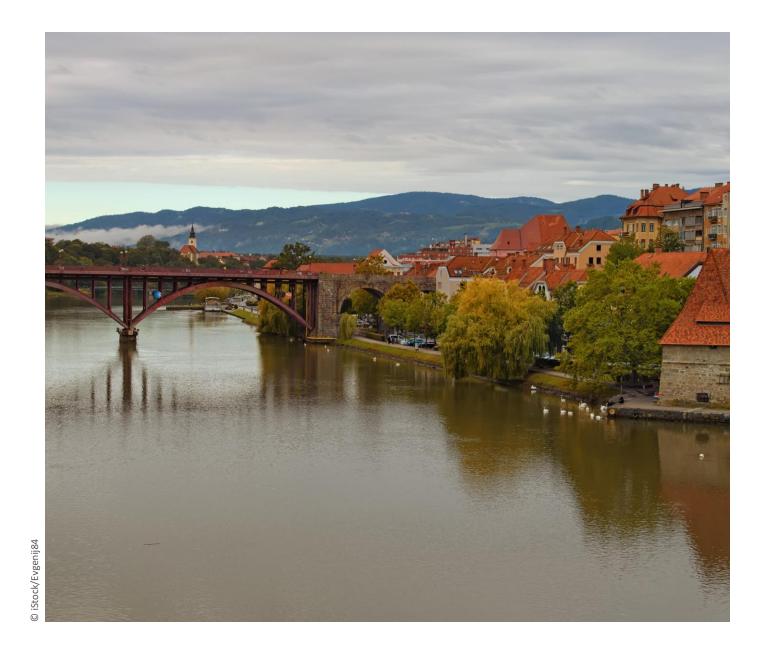
Client: Verbund Hydro Power GmbH

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

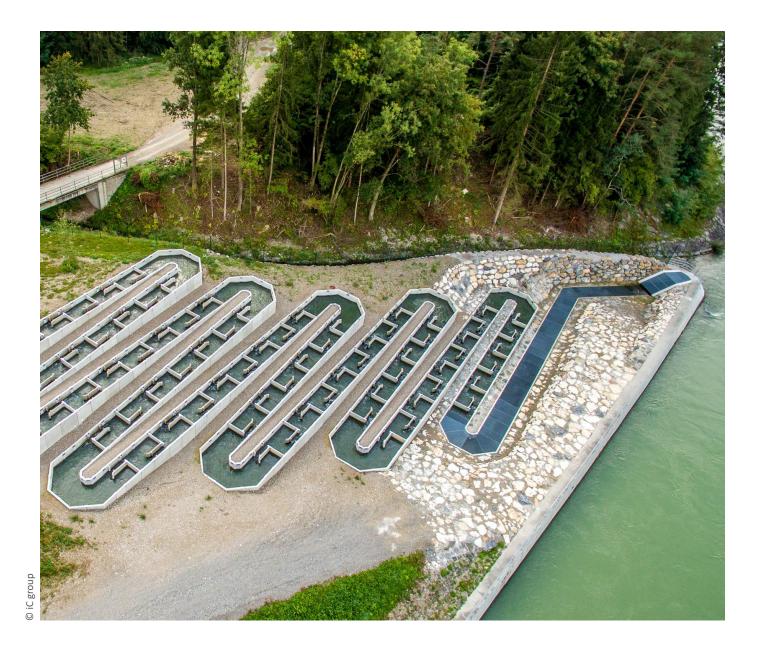
Project Overview

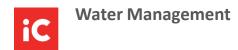
Client: Verbund Hydro Power GmbH

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



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Water Management

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.











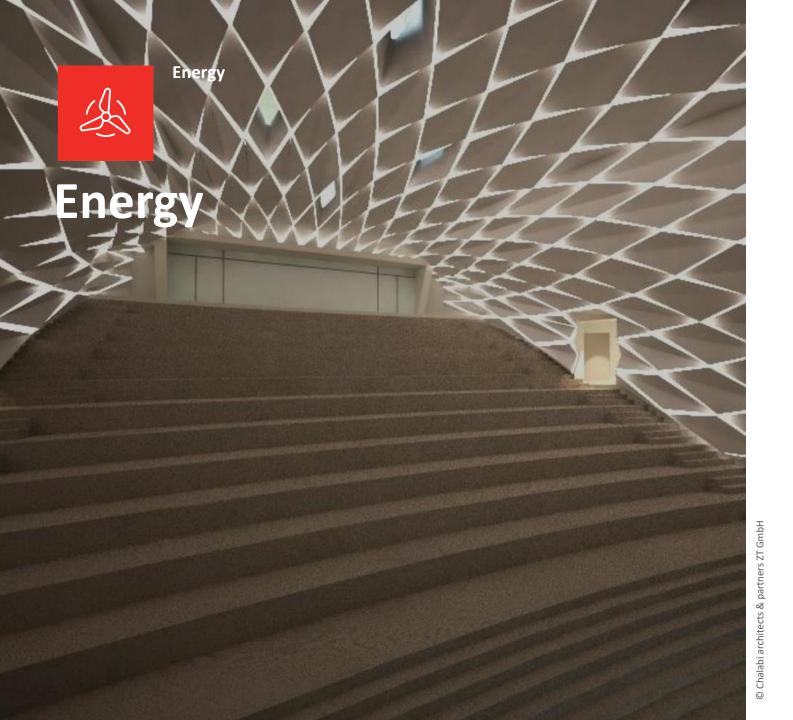






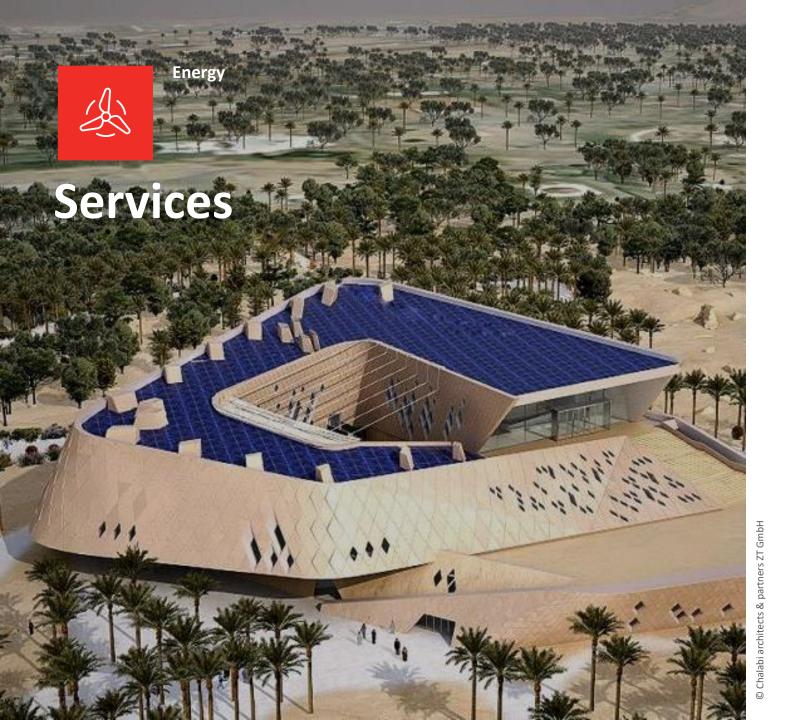






Implementation of integrated energy and building solutions for sustainable urban and rural development.





Project development:

Site investigations

Site analyses

Market potential analyses

Due diligences

Feasibility studies

Integrative energy concepts

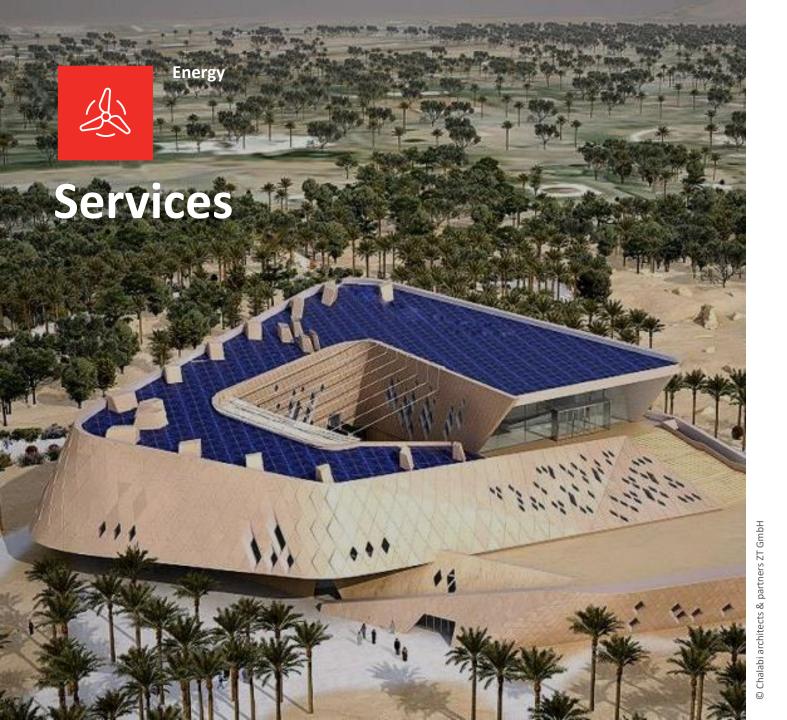
Cost/benefit/life cycle analyses

Profitability analyses

Conceptual design

Energy efficiency audits

Building certificates



Implementation:

Detailed planning

Detailed design

Tendering

Project management

Execution design

Site supervision

Commissioning



Geothermal Usage Rail Control Center Spittal

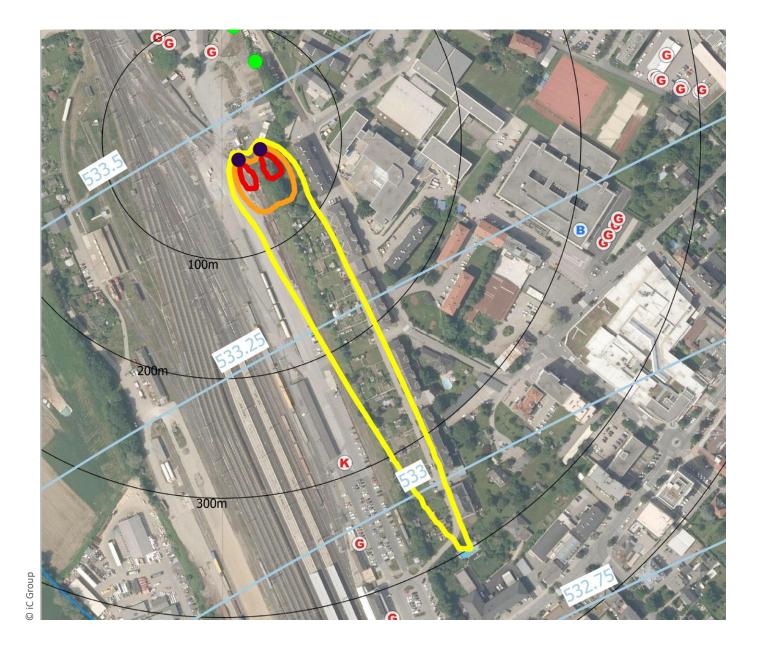
Project Overview

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





Energy









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 consulenten Ziviltechniker GesmbH Schönbrunner Straße 297 1120 Wien, Österreich