

ILF GROUP ENGINEERING EXCELLENCE.



ILF AT A GLANCE

ILF is a leading international engineering and consulting group that supports its clients in executing technically demanding energy, industrial and infrastructure projects.



“ILF combines local presence and international expertise to sustainably serve clients’ needs.”

Klaus Lässer, CEO

55+
years of experience

With over 3,700 highly qualified employees in more than 45 offices across six continents, the companies of the ILF Group have a strong regional presence. This enables ILF to interact with clients and project parties at any time and any place.

12,000+
projects successfully executed

At the same time, close cooperation within the network enables ILF to draw on a number of international experts and utilize their special experience, processes and tools. This combination of local and international expertise, as well as ILF’s complete independence – as a company privately owned by the founding families, which has no affiliation to manufacturers, suppliers, or financing institutions – ensures that clients’ needs are best met.

3,700+
employees worldwide

150+
countries in which ILF has been successful

ILF’s working principles are:

- analyzing clients’ needs and providing the corresponding consulting services
- adopting a holistic approach to developing and optimizing sustainable project solutions
- working diligently to deliver high-quality, tried and tested, yet innovative solutions
- interacting closely with clients and project parties on site
- integrating all stakeholders, applying ILF’s vast international experience, outstanding competence and extensive local knowledge
- upholding the company’s independence to deliver creative and bespoke project solutions

45+
office locations across six continents

4
main business areas

ILF is committed to achieving the highest level of client satisfaction and to maintaining long-term business relations with its clients.

FOR BETTER QUALITY OF LIFE

The vision that drives us, and the reason we believe in the work we do.

VISION

A leader in improving quality of life around the globe.

VALUES

The following company values form the basis for all interactions at ILF:

Respect

Everyone is treated with respect and dignity, independent of their position, ethnicity, gender, orientation or belief. This is true for both ILF staff and third parties.

Honesty

Honesty is considered crucial for professional relationships. This is why “walking the talk” is important to ILF.

Reliability

Employees take responsibility for their assignments and their actions. Great importance is given to ensuring the highest quality while meeting project requirements and deadlines.

Fairness

Fairness is a guiding principle in all decision-making processes and relationships at ILF.

BELIEFS

ENGINEERING EXCELLENCE

Instead of solely focusing on growth, ILF aims for market leadership through quality and continuously strives for engineering excellence.

This is achieved through:

- a holistic approach to problem solving
- a high level of ingenuity and creativity
- a constant desire for improvement
- strong motivation and dedication
- great diligence and persistence
- accompanying staff development programs
- efficient knowledge management and competence development

SUSTAINABLE DEVELOPMENT

The *United Nations' Sustainable Development Goals (SDGs)* provide the framework for ILF to shape a livable and sustainable future and to improve the quality of life for all.

ILF strongly supports the achievement of these goals through its innovative services for the benefit of clients, its sustainable corporate culture and its valuable contributions to the well-being of society.

SEAMLESS COOPERATION

United as a team, ILF employees around the world successfully bridge distance, time zones and cultures, making a concerted effort to best serve clients' needs.

GREAT PEOPLE

At ILF, teams from more than 45 locations around the globe collaborate closely, united by the ONE ILF spirit defined by openness, mutual support, and a strong sense of belonging. Together, our employees develop thoughtful, sustainable, and innovative solutions that help shape a more livable future. Embracing diversity, fostering a deep sense of unity, and encouraging individuals to take responsibility are key elements that characterize ILF's corporate culture.

COMPLETE INDEPENDENCE

ILF is privately owned with no affiliation to manufacturers, suppliers, financing institutions or any other third parties. Actions are always based on objective considerations and are in the best interest of the respective client.

SUSTAINABLE DEVELOPMENT GOALS



SERVICE PORTFOLIO

Following a one-stop approach, ILF offers its clients a comprehensive range of consulting, engineering and project management services, along with a variety of additional services.

MANAGEMENT CONSULTING

- Market Studies
- Project Screening
- Pre-Feasibility Studies
- Bankable Feasibility Studies
- Master Planning
- Financial and Economic Analysis
- Institutional Analysis and Strengthening
- Transaction Advisory Services and Due Diligence Analysis
- Lender's Technical Advisory Services
- PPP Advisory Services
- Operations and Maintenance Consultancy
- Asset Management Consulting for Infrastructure Projects
- Dispute Resolution and Claims Management

PROJECT MANAGEMENT

- Project Organization
- Project Management Consultancy
- Risk Management
- Stakeholder Management
- Project Execution Planning
- Procurement Services
- Supply Chain Management
- Construction Supervision
- Commissioning Supervision
- Operational Supervision

ENGINEERING

- Pre-Concept
- Conceptual Design
- Basic Design
- FEED, Tender Design
- Permit Application Design
- Guide Design
- Detailed Design
- Construction Design
- Design Review
- As-Built Documentation
- Integrity Assessment
- Rehabilitation Design
- Modification Design
- Decommissioning Planning

ADDITIONAL SERVICES

- Authority Engineering and Right of Way Administration
- Climate Change Management
- Disaster Risk Management
- Energy Concepts
- Environmental and Social Management
- Environmental Planning
- Geological and Hydrogeological Consultancy
- Geotechnical Design and Consultancy
- Information Management – GIS and BIM
- Rehabilitation of Aging Infrastructure
- Resilience Management for Critical Infrastructure
- Risk and Safety Management
- Sustainability Advisory Services
- Urban and Environmental Planning
- Urban Development

ENERGY & CLIMATE PROTECTION

We are driving the energy transition! ILF supports clients worldwide to execute large-scale projects focused on the generation, storage and transmission of electricity supplied from a variety of renewable energies. In this way, we are actively promoting the shift towards sustainable-energy sources for present and future generations.



POWER TRANSMISSION & DISTRIBUTION

- SuedLink, SuedOstLink, Rhein-Main-Link, 525 kV HVDC Cable Connection Portfolio, GER
- Yanbu–Medina Phase 3, 380 kV (95 km) and 110 kV (60 km) OHL, KSA
- Offshore Wind Farm Grid Connections, 2.5 GW – Baltica 2 (84.5 km) and Baltica 3 (54.5 km), Baltic Sea
- Harmony Link, Offshore HVDC Interconnector, 700 MW, 290 km, POL–LTU

ENERGY STORAGE

- Limberg II Pumped Storage Plant, 480 MW, AUT
- The Red Sea Project, 340 MW/900 MWh Li-Ion (Battery Energy Storage System), KSA
- Feasibility Study for BESS ancillary grid services, primary reserve, and integration of variable renewable energy sources, 80 MW/80 MWh (PV/Wind), SEN

HYDROGEN

- Electrolysis Plant for Green Hydrogen in East Frisia, 320 MW, 26,000 t of green hydrogen per annum, GER
- Petrobrazil PEM Electrolysis Plant, 55 MW, 8,000 t of green hydrogen per annum, ROU
- Demo4Grid Project – 4 MW Electrolyzer, Hydrogen Storage and Truck Refueling Station, AUT
- Hyphen Green Hydrogen Project, 3 GW electrolysis, 2 million t of green ammonia per annum, NAM

HYBRID POWER

- ECOWAS Regional Solar Power Plant, 150 MW_p (PV) and 150 MW/150 MWh (BESS), GAM
- Fiji Solar PPP – Pacific’s Largest Solar Project, 32 MW_p (PV incl. BESS), FIJ
- “Power to Mine” Project – Hybridization of Banfora Off-Grid Gold Mine, 24 MW_p (PV) and 35 MWh (BESS), BUR

SOLAR POWER

- Expansion of National Wind & Solar Portfolio, Multi-GW Development, KSA
- Goaltore PV Power Plant 135 MW_p (PV), IND
- Power Supply for Desalination Plant and Water Transmission System – Windhoek, 100 MW_p (PV), 400 MWh (BESS), NAM

WIND POWER

- Hyphen Wind Power Plant, 4 GW, NAM
- Development Plant for Onshore Wind Farm, >5 GW, KSA
- Baltica II + III Offshore Wind Farms, 1.2 GW, Baltic Sea, POL

HYDROPOWER

- El Tor Pumped Storage Power Plant, 4.4 GW, EGY
- Saravan Downstream Hydropower Plant, 2.5 GW, LAO
- Atdorf Pumped Storage Plant, 1.4 GW, GER
- Limmern Pumped Storage Plant, 1 GW, SUI
- Khaishura Hydropower Plant, 24.2 MW + 32 MW, GEO
- Stanzertal Hydropower Plant, 13.5 MW, AUT

BIOENERGY

- Zabrze Combined Heat and Power Plant, 140 MW_{th} and 75 MW_{el}, POL
- Częstochowa Combined Heat and Power Plant, 120 MW_{th} and 65 MW_{el}, POL
- Hall Biomass-Fired Cogeneration Plant, 27 MW_{th} and 1.1 MW_{el}, AUT

THERMAL POWER

- Karolin Power Plant, 2x gas turbines and hot water boilers, 110 MW_{el}, 210 MW_{th}, POL
- Shuqaiq II Independent Water and Power Project (IWPP), 850 MW_{el}, KSA
- Khulna Dual Fuel Combined Cycle Power Plant, 330 MW_{el}, BAN

WASTE TO ENERGY

- Municipal Waste Incineration Plant in Warsaw, 54 MW_{th} and 24 MW_{el}, POL
- Hazardous Waste Incineration Plant in Jeznicka Struga, 16.25 MW_{th}, POL
- Multi-Fuel Waste-to-Energy Plant in Sharjah, 29 MW_{el}, UAE

HEATING & COOLING

- Heating Plant and Storage Facility in Ingolstadt, 50 MW_{th}, GER
- Seawater Heat Pump in Esbjerg, 50 MW_{th}, DEN
- Sewage Heat Recovery System, 12 MW_{th}, POL



Demo4Grid Hydrogen Project, AUT



“The energy transition requires a holistic approach that integrates renewable energy sources, advanced technologies and robust infrastructure.”

Fred Wendt,
Group Director
Energy & Climate Protection

WATER & ENVIRONMENT

We are protecting the water cycle and the environment! ILF offers consulting, engineering and project management services for all types of water and wastewater systems, covering the whole service spectrum from water resource development and water environment to water reuse. Because we care about the environment, we integrate our extensive environmental expertise into all of ILF's projects to deliver the most sustainable outcome.



DESALINATION

- Al Basrah Seawater Desalination Project, 1,000,000 m³/d, IRQ
- "Project Wave" Seawater Sulfate Removal Plants, 523,000 m³/d, UAE
- Taweelah Independent Water Project (IWP), 909,000 m³/d, UAE
- Shuqaiq III Independent Water Project (IWP), 450,000 m³/d, KSA
- Spence Growth Options Sea Water Reverse Osmosis (SWRO) Project, 86,000 m³/d, CHI

WATER TREATMENT

- Water supply and wastewater project
- Dhahran Water and Wastewater Facilities, 100,000 m³/d, KSA
- Kagera Water Works, 30,000 m³/d, UGA
- Korça Water Supply and Sanitation System, 400 l/s, ALB
- Water Projects in Prahova, Bacau, Neamt, Iasi, Buzau, 31 Water Treatment Plants, ROU
- Zuluf Water Treatment Facility Project, 560,000 m³/d, KSA
- Marafiq Industrial Wastewater Treatment Plant (IWWTP-8), Stage 4, 125,000 m³/d, KSA
- Industrial Water and Wastewater Treatment Plant (IWWTP) – Jeddah Industrial City 1, Rehabilitation, 35,000 m³/d, KSA
- WWTP for Pharmaceutical Company, 10,000 m³/d incl. 1,600 m³/d highly polluted wastewater, AUT
- Al Mu'ajiz Terminal, Water Treatment and Rehabilitation, 1,600 m³/d, KSA
- Vienna Main Wastewater Treatment Plant (WWTP), 670,000 m³/d, AUT
- Sulaibiya Wastewater Treatment and Reclamation Plant, 600,000 m³/d, KUW
- Gut Großlappen Wastewater Treatment Plant, 570,000 m³/d, GER
- Jeddah Airport 2 Independent Sewage Treatment Plant, 300,000 m³/d, KSA
- Niederrad Wastewater Treatment Plant (WWTP), 240,000 m³/d, GER

ENVIRONMENT

- Hyphen (Green Hydrogen) Project, PMC – Environmental, Social and Climate Change Management, NAM
- Rogfast Tunnel Project, Greenhouse Gas Calculation for Risk Assessment: Use of Battery Electric Vehicles, NOR
- Gas Growth Integrated Project, Application of In-House Sustainable Roadmap for Net Positive Project Solutions, IRQ

WATER TRANSMISSION

- Common Seawater Supply Project (CSSP), 436 km, 2 million m³/d, IRQ
- Rabigh-Jeddah / Makkah Water Transmission System, 229 km twin line, 368 km single line, 1.8 million m³/d, KSA
- Jubail-Riyadh Water Transmission System, 408 km, 1.2 million m³/d, KSA
- Ras Al Khair-Riyadh Water Transmission System, 375 km twin line, 106 km single line, 947,000 m³/d, KSA
- Fujairah Phase 2 Water Transmission System, expansion of throughput to 230 MIGD, 130 km single line, UAE
- Lake Constance Water Transmission System, 1,700 km, 648,000 m³/d, GER
- Esperanza Sea Water Supply Project, 144 km, 121,000 m³/d, CHI

URBAN WATER SYSTEMS

- Development of an Integrated Water and Wastewater Masterplan in the Riyadh Region, 9,000,000 inhabitants, KSA
- Masterplan for the Recycled Water Supply System in Al Ain, 766,936 inhabitants, UAE
- Irbid and Beit Ras Wastewater Networks, 550,000 inhabitants in Irbid, 22,000 inhabitants in Beit Ras, JOR
- Renewal, construction and calibration of hydraulic drinking water modules for drinking water network, 341,000 inhabitants, 9,434 km of pipelines, UAE
- Energy Efficiency in the Water Sector II, 36,000 inhabitants, JOR
- Landshuter Allee Tunnel, Sewer Pipes up to 3.3 by 3.7 m, GER



"There is a need for a fundamental appreciation of water as a precious resource – even more so in the face of climate change."

Werner Redtenbacher,
Group Director
Water & Environment



Sulaibiya Wastewater Treatment and Reclamation Plant, KUW



Ras Al Khair-Riyadh Water Transmission System, KSA

TRANSPORTATION & URBAN SPACES

We are shaping the future of mobility and enhancing urban spaces. At ILF, we champion multimodal, connected mobility solutions and people-focused building and infrastructure design that make efficient use of resources. In doing so, we help preserve valuable rural landscapes while creating forward-looking urban structures that meet the needs of future generations.

RAILWAYS

- Construction of new Western Railway Line between Linz and Wels, 21.8 km, AUT
- Feeder Line North of the Brenner Base Tunnel, Schafnau–Grafing, 65 km, GER, AUT
- Modernization of the Georgian Railway, 63 km, GEO

URBAN TRANSPORTATION

- Warsaw Metro, Line 2, 19.5 km, 18 stations, POL
- Linz Urban Railway, Line S6, 5.7 km, 4 stations, AUT
- Metro Quito, Line 1, 22 km, 15 stations, ECU
- Lagos Cable Car, 12.5 km, NGR

ROADS

- A59, 6-Lane Upgrade Duisburg, 6.7 km, GER
- A99, 8-Lane Upgrade Kirchheim Junction–Haar Junction, 12 km, GER
- A26, Linz Motorway, 4.7 km, AUT

AIRPORTS

- Berlin International Airport, capacity of 46+ million passengers p.a., GER
- Munich International Airport, capacity of 60+ million passengers p.a., GER
- Ashgabat International Airport, capacity of 14+ million passengers p.a., TKM

TUNNELS

- Gotthard Road Tunnel, TBM/SEM, 16.9 km, SUI
- 2nd S-Bahn Main Line, TBM/SEM, electro-mechanical equipment, 7.3 km, 3 stations, GER
- Semmering Base Tunnel: TBM/SEM, construction management, construction supervision, tunnel construction and equipment, 34 km, AUT

BRIDGES

- Construction of new single- and multi-track railway bridges, pedestrian underpasses, Daglfing and Trudering Curve, Munich, GER
- Construction of new Kugelstein Bridge, reinforced concrete arch with a span of 60 m, AUT
- Construction of two new integral reinforced concrete bridges across the B 26 Federal Road, upgrade of Hanau–Nantenbach Railway Line, GER

BUILDINGS

- Donaustadt Hospital, ward buildings, 66,000 m² gross floor area, overall planning and design, AUT
- Innrain 52a University Building for University of Innsbruck, 15,000 m² gross floor area, AUT
- IST Austria Chemistry Lab, research building, 13,000 m² gross floor area, overall planning and design, AUT

SKI RESORTS

- Pitztal–Ötztal Ski Resort Connection, 64 ha ski resort, 3 ropeways, AUT
- Shahdag Tourism Complex, EUR 1 bn investment costs, 15 ropeways and lifts, 12 slopes and snow-making systems, hotels and infrastructure, AZE
- Saalbach-Hinterglemm Snow-Making Systems, 10 storage reservoirs, 25 pumping stations, AUT



Feeder Line North of the Brenner Base Tunnel, GER, AUT



A26, Linz Motorway, AUT



Metro Quito, Line 1, ECU



Gotthard Road Tunnel, SUI



“In our core markets, the aim is to modernize, decarbonize and make transport infrastructure more resilient – through the expansion and rehabilitation of rail and road networks as well as associated structures.”

Bruno Mattle,
Group Director
Transportation & Urban Spaces

RESOURCES & SUSTAINABLE INDUSTRY

We are optimizing production processes! ILF uses the expertise gained from successful oil and gas projects to reduce emissions and increase efficiency across all sectors. In doing so, we are following the path towards a low-carbon circular economy in order to ensure good quality of life for future generations.



UPSTREAM

- Kashagan Oil and Gas Field Development, 450 mbpd (oil), up to 19% H₂S, KAZ
- Surhan Gas Processing Plant, 500 mmscfd (gas), 7% H₂S, 1,500 t/d sulfur recovery, UZB
- Zero Routine Flaring Initiative at Umm Al-Dalkh, Lower Zakum and Umm Shaif Offshore Gas Fields, 4 mmscfd (gas), UAE

PIPELINES

- Abu Dhabi Crude Oil Pipeline (ADCOP), 403 km, 48", UAE
- Trans-Adriatic Pipeline (TAP), 773 km onshore, 48", and 105 km offshore, 36", GRE, ALB and ITA
- Trans-Anatolian Natural Gas Pipeline (TANAP), 1,800 km, 56" and 48", 7 CS, TUR

TANK FARMS & TERMINALS

- Amman Petroleum Product Terminal, 14 x 34,000 m³ oil tanks, 8 LPG tanks, JOR
- Ceyhan Marine Terminal, 50 million t/a, 7 x 150,000 m³ crude oil tanks, TUR
- Chittagong Refinery Import Terminal and Offshore Pipelines, 150,000 m³ (crude oil), 90,000 m³ (diesel oil), BAN

REFINING

- Schwechat Refinery, SNOx – Combined Flue Gas SO_x/NO_x Reduction Plant, 820,000 Sm³/h flow rate, AUT
- Petrobrazil Refinery, Naphtha Splitter, 76.5 t/h feed rate, ROU
- Arpechim Refinery, Dust Filter for FCC Plant, 190,000 Sm³/h flow rate, ROU

FUELS & CHEMICALS

- Schwechat Refinery, PE Plant (PE4), AUT
- Gas-to-Urea and Polyolefin Complex based on 160 mmscfd natural gas, TUR
- Burghausen Refinery, Upgrade of BORSTAR PP Plant, GER

LNG

- LNG Import Terminal in Odessa, 3 tanks with 540,000 m³ total storage volume, UKR
- Floating Storage Regasification Unit (FSRU) in Gdansk, 4.5–9.0 bn Sm³/a, POL
- Floating Storage Unit (FSU) in Kutubdia, 130,000–145,000 m³ (FSU), 500–600 mmscfd (RU), BAN

UNDERGROUND STORAGE

- Wierchowice Underground Gas Storage, 600,000 Sm³/h (withdrawal), POL
- Crystal Gas Storage Facility, Etzel, 600,000 Sm³/h (withdrawal), GER
- Puchkirchen Gas Storage Plant, 520,000 Sm³/h (withdrawal), AUT

CARBON MANAGEMENT

- Green Ammonia Linz, Ammonia Plants for Fertilizers, Urea, Melamine and AdBlue, AUT
- Methane reduction, 1,300 pipeline stations, CAN
- Mellitah Offshore Gas Field, CO₂ capture and permanent storage, LBA

INDUSTRIAL

- Copper Recycling Plant, New Slag Granulation Process, GER
- Copper Recycling Plant, Turnaround Management, GER
- Magnesite Plant, Digitalization, AUT

MINING

- Copper Mine Centinela, CHI
- Copper Mine Esperanza, CHI
- Katco Uranium Mine, KAZ



"ILF is passionate about finding solutions for supplying the world with safe and reliable energy and chemicals."

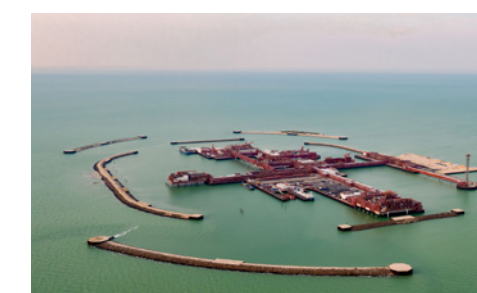
Christian Heinz,
Group Director
Resources & Sustainable Industry



Trans-Anatolian Natural Gas Pipeline (TANAP), TUR



Amman Petroleum Product Terminal, JOR



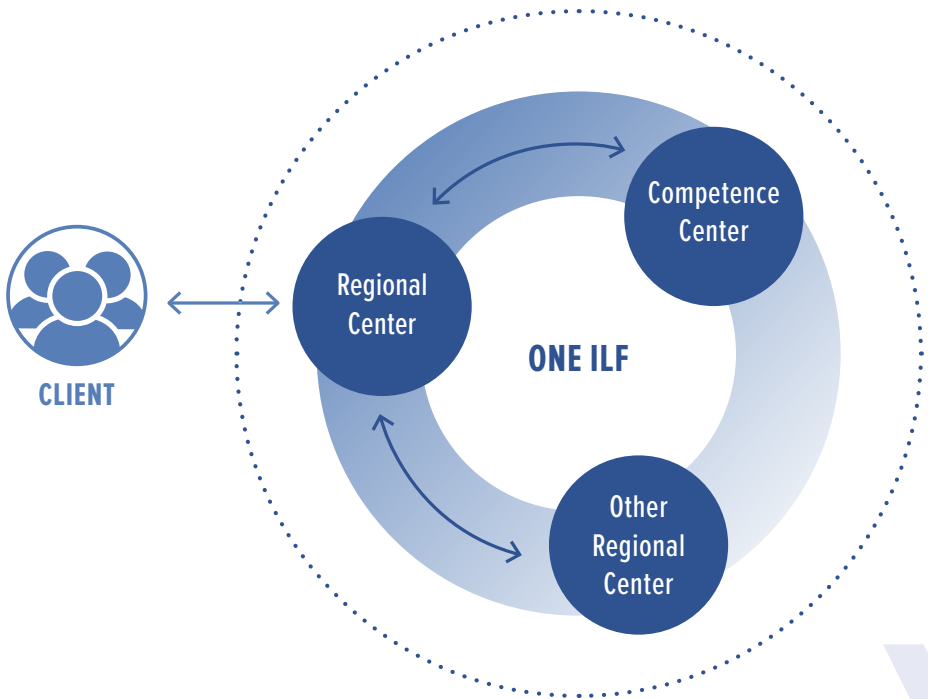
Kashagan Oil and Gas Field Development, KAZ

OFFICES AROUND THE WORLD

In the past decade, the engineering services market has undergone some major changes. International clients nowadays want closer cooperation with engineering partners, which requires greater proximity to one another.

There is also growing demand to train local personnel to carry out the jobs instead of bringing in outside personnel. At the same time, ILF's clients also expect international experience and expertise.

ILF's comprehensive, group-wide approach, termed ONE ILF, allows the changing needs of clients to be met.



ONE ILF is based on the belief that optimizing internal cooperation and combining the competencies and capacities available in all ILF offices, provides maximum benefit for clients.

45+
offices across
six continents



AMERICAS	EUROPE	AFRICA	MIDDLE EAST	ASIA-PACIFIC	AUSTRALIA
Calgary Lima Santiago de Chile	Baar Berlin Bern Bremen Brixen/Bressanone Dornbirn Fontainebleau Frankfurt Essen Genoa Graz Hamburg Hannover Innsbruck Katowice	Leipzig/Halle Leobersdorf Linz London Madrid Munich Ploiești Prague Stathelle Stuttgart Tbilisi Vienna Warsaw Zurich	Lagos Abu Dhabi Al Khobar Amman Dubai Erbil Riyadh	Almaty Atyrau Bangkok Beijing Lahore Mumbai Tashkent Vientiane	Sydney

INNOVATIVE THINKING

Following the example set by the founders since the company's beginnings, ILF attaches great importance to innovative solutions. ILF's understanding for and promotion of innovation is reflected in the technical solutions, materials and work stages, as well as the work processes and tools used throughout the Group.



“Keeping an open mind, thinking outside the box, and unleashing creativity, while challenging the status quo and striving for improvement, ILF walks a path of innovation, delivering engineering excellence.”

Klaus Lässer, CEO

ILF works together with universities and public and private entities, participating in research projects in different sectors. In addition, ILF is actively involved in various working groups, developing new guidelines, concepts and tools.

Examples of innovative spirit at ILF:

- GIS-based constraint mapping
- RenRisk – sustainable project optimization for hydropower plants
- Digital twin development
- Computational design in infrastructure projects
- Urban Design Technologies – digital toolbox
- BIM-based quality assurance
- Chemical recycling of plastic waste and integration into a circular economy – joint research with Vienna University of Technology (TU Wien)
- Integrated urban drainage and flood risk management for the increased resilience of communities in a changing world – pilot studies in collaboration with universities
- Development of closed treatment systems for contaminated sludge to avoid exhaust air emission and water pollution
- Holistic approach to the design and control of industrial facilities – together with various research centers and institutes
- Utilization of micropiles for pipeline stabilization in earthquake affected terrain
- Multidisciplinary simulations of water resources under present and future climate conditions – in cooperation with alpS GmbH and the University of Innsbruck
- Improvement of the resilience of road tunnels through the utilization of Artificial Intelligence



CONSULTING
ENGINEERS

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