

ILF GROUP

ENGINEERING EXCELLENCE.



CONSULTING
ENGINEERS

ENERGY & CLIMATE PROTECTION



WATER & ENVIRONMENT



TRANSPORTATION & STRUCTURES



OIL, GAS & INDUSTRIAL



ILF AT A GLANCE

ILF is a leading international engineering and consulting group that supports its clients to successfully identify, prepare and execute challenging energy, industrial and infrastructure projects.

50+
years of experience

6,000+
projects successfully executed

2,400+
employees worldwide

150+
countries in which ILF has been successful

40+
office locations across five continents

4
main business areas

With over 2,400 highly qualified employees in more than 40 offices across five continents, the companies of the ILF Group have a strong regional presence. This enables ILF to interact with clients and project parties wherever required.



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

Klaus Lässer, CEO

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 presence and international expertise ensures that clients’ needs are best met.

ILF is privately owned by two founding families and is therefore fully independent. It has no affiliation with manufacturers, suppliers, or financial institutions.

ILF’s working principles are:

- analyzing clients’ needs and providing the relevant consulting services to clients
- developing and optimizing sustainable project solutions based on a holistic approach
- working diligently to deliver reliable and creative, high-quality 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
- remaining a completely independent and privately owned company

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

FOR A BETTER QUALITY OF LIFE

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



VISION

ILF is passionate about contributing to a better 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, regardless of their position, ethnicity, religion, or gender. 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. High importance is given to meeting project requirements and deadlines, whilst ensuring the best quality.

Fairness

Everyone is treated fairly, and fairness is also a guiding principle in decision making at ILF.

BELIEFS

ENGINEERING EXCELLENCE

Instead of focusing solely on growth, ILF aims at 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
- ongoing staff development programs
- efficient knowledge management and competence development

EFFECTIVE COOPERATION

In order to best serve clients' needs, ILF employees around the world make a concerted effort in their work. United as a team, they successfully bridge distance, time zones and a variety of cultures.

GREAT PEOPLE

The people at ILF make a great difference. Highly motivated employees are keen to excel and contribute to the overall success of the company. Problems are seen as challenges, and finding the best solution is the goal. ILF strives for long-term working relationships and encourages its employees to see themselves as ILF ambassadors.

COMPLETE INDEPENDENCE

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

SUSTAINABLE CONDUCT

ILF is committed to sustainability. This commitment is fulfilled in ILF's day-to-day business activities as well as in ILF's continued effort to reduce carbon and waste footprints.



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.

CONSULTING

- Market Studies
- Master Plans
- Transaction Advisory Services, Due Diligence Analyses
- Pre-Feasibility Studies
- Bankable Feasibility Studies
- Lender's Engineering
- Dispute Resolution
- PPP Advisory Services
- Project Screening
- Financial Advisory Services
- Institutional Analysis and Strengthening
- Operation and Maintenance Consultancy

PROJECT MANAGEMENT

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

- Geology and Hydrogeology
- Geotechnical Engineering and Soil Mechanics
- Urban and Environmental Planning
- Environmental and Social Impact Assessments
- Information Management – GIS and BIM
- Risk and Safety Management
- Protection of Critical Infrastructure
- Rehabilitation of Aging Infrastructure
- Energy Concepts
- Climate Change Management
- Disaster Risk Management
- Sustainability Advisory Services



- COMPANY
- SERVICES
- BUSINESS AREAS
- REFERENCES
- CAREER
- CONTACT



CLIENT FOCUSED SOLUTIONS

[Learn more](#)

- ENERGY & CLIMATE PROTECTION
- WATER & ENVIRONMENT
- TRANSPORTATION & STRUCTURES
- OIL, GAS & INDUSTRIAL

Engineering Excellence

Whether it is the extraction of natural raw materials under difficult conditions, the development of innovative industrial plants or the supply of water and energy to a metropolis – it is mostly the art of engineering which facilitates and safeguards the sustainable development of mankind and improves the quality of life. ILF Consulting Engineers (ILF) consists of several international and



ENERGY & CLIMATE PROTECTION

The use of renewable energy sources, along with the conversion of fossil fuels, industrial residues and municipal waste into electricity and heat, are key to improving the quality of life today and for future generations.



SOLAR POWER

- Sheikh Mohammed Bin Rashid Solar Park, 1,000 MW, UAE
- Bahawalpur Photovoltaic Power Plant, 100 MW, Pakistan
- El Borma Solar Power Plant, 40 MW, Tunisia

WIND POWER

- Dhofar Wind Power Plant, 50 MW, Oman
- Großinzersdorf Wind Park, 9.9 MW, Austria
- Offshore Wind Farms, in total approx. 2,500 MW, Baltic Sea

HYDROPOWER

- Atdorf Pumped Storage Plant, 1,400 MW, Germany
- Limmern Pumped Storage Plant, 1,000 MW, Switzerland
- Qairokkum Hydropower Rehabilitation Project, 174 MW, Tajikistan
- Muzizi Hydropower Plant, 48 MW, Uganda

BIOENERGY

- Zabrze Combined Heat and Power Plant, 139 MW_{th} and 75 MW_{el}, Poland
- Czeszochowa Combined Heat and Power Plant, 120 MW_{th} and 65 MW_{el}, Poland
- Hall Biomass-Fired Cogeneration Plant, 27 MW_{th} and 1.1 MW_{el} and, Austria

THERMAL POWER

- Kozenice Power Plant, 1,075 MW_{el}, Poland
- Shuqaiq II Independent Water and Power Project (IWPP), 850 MW_{el}, Saudi Arabia
- Ostroleka Power Plant, 1,000 MW_{el}, Poland

WASTE-TO-ENERGY

- DBO Waste-to-Energy Plant in Dubai, 171 MW_{el}, UAE
- Waste-to-Energy Plant in Sharjah, 25 MW_{el}, UAE
- PPP Solid Waste Incineration Plant in Poznań, 210,000 Mg/a, Poland

POWER TRANSMISSION & DISTRIBUTION

- SuedLink 2.0, High-Voltage Direct Current Transmission Line, Germany
- 2,800 MW Combined Cycle Power Plant and 330 kV Transmission Line, Nigeria
- Offshore Pipe Laying for Gas-Insulated High-Voltage Power Transmission Lines in the North Sea, 245–550 kV, Germany

ENERGY STORAGE

- Limberg II Pumped Storage Plant, 480 MW, Austria
- Gravity Storage (piston: depth 28 m, diameter 20 m), Saudi Arabia
- Demo4Grid 4 MW Pressurized Alkaline Electrolyzer for Grid Balancing Services, Austria

HYBRID POWER PLANTS

- Solar for Schools Initiative, 100–200 kW, Kazakhstan
- POISED – Preparing Outer Islands for Sustainable Energy Development, Maldives
- 8 Photovoltaic & Hybrid Power Plants, 34 MW, Senegal



“ILF is committed to combining energy sources in a way which optimizes power supply while minimizing environmental impact.”

Andrzej Dercz,
Group Director
Energy & Climate Protection



Limmern Pumped Storage Plant, Switzerland



Hall Biomass-Fired Cogeneration Plant, Austria



Kozenice Power Plant, Poland

WATER & ENVIRONMENT

The provision of professional consulting, engineering and design services in the field of water and environment has been a trademark of ILF Consulting Engineers for more than three decades. Clients all over the world are satisfied with ILF's innovative and reliable approach, which has been demonstrated in a number of major international projects.



DESALINATION

- Shuqaiq II Independent Water and Power Project (IWPP), 212,000 m³/day, Saudi Arabia
- Fujairah F1 Expansion Independent Water Project (IWP), 136,000 m³/day, UAE
- Sadara Independent Water Project (IWP), 178,500 m³/day, Saudi Arabia
- Shuqaiq III Independent Water Project (IWP), 450,000 m³/day, Saudi Arabia
- Taweelah Independent Water Project (IWP), 909,000 m³/day, UAE

WATER TREATMENT

- Dhahran Water and Wastewater Facilities, 100,000 m³/d, Saudi Arabia
- Korça Water Supply and Sanitation System, 400 l/s, Albania
- Water Projects in Prahova, Bacau, Neamț, Iasi, Buzau, 31 water treatment plants, Romania

WASTEWATER TREATMENT

- Vienna Wastewater Treatment Plant, 670,000 m³/d, Austria
- Czajka Wastewater Treatment Plant, 435,000 m³/d, Poland
- Sulaibiya Wastewater Treatment and Reclamation Plant, 600,000 m³/d, Kuwait
- Jeddah Airport 2 Independent Sewage Treatment Plant, 300,000 m³/d, Saudi Arabia

INDUSTRIAL WATER

- IWWTP Jeddah Industrial City 1, Rehabilitation, 25,000 m³/d, Saudi Arabia
- Al Mu'ajjiz Terminal, Water Treatment and Rehabilitation, 1,600 m³/d, Saudi Arabia
- Water Treatment for Polymer Flooding Facility near Gänserndorf, 1,200 m³/h, Austria
- Sandoz GmbH WWTP, 10,000 m³/d incl. 1,600 m³/d highly polluted wastewater, Austria

WATER TRANSMISSION

- Ras Al Khair–Riyadh Water Transmission System, 920 km, 947,000 m³/d, Saudi Arabia
- Yanbu–Medina Water Transmission System, Phase 3, 605 km, 710,000 m³/d, Saudi Arabia
- Ghadames–Zawarah–Az Zawiya Water Transmission System, 600 km, 250,000 m³/d, Libya
- Common Seawater Supply Project (CSSP), 436 km, Iraq
- Esperanza Seawater Supply System, 144 km, Chile

URBAN WATER

- Korça Water Supply and Sanitation System, 85,000 PE, Albania
- Smolyan Integrated Water Project, 55,000 PE, 10,000 m³/d, Bulgaria
- Irbid and Beit Ras Wastewater Networks, 500,000 PE, Jordan
- Water Supply Systems in 28 towns, approx. 266,000 inhabitants, Georgia
- Water Loss Reduction in Zarqa, 10,000–15,000 inhabitants, Jordan



“Water is essential for life – ILF is dedicated to improving access to water and ensuring its sustainable use.”

Bernhard Lässer,
Group Director
Water & Environment



Marafiq Jubail IWPP, Saudi Arabia



Czajka Wastewater Treatment Plant, Poland



Ras Al Khair–Riyadh WTS, Saudi Arabia

TRANSPORTATION & STRUCTURES

For more than five decades, ILF has managed, provided consultation for and been engaged in the engineering of many infrastructure projects. Over the course of those years, ILF has successfully implemented a great number of unique and challenging projects, which have earned ILF a reputation of engineering excellence.



MULTIMODAL TRANSPORTATION

- Dostyk Trans Terminal, Kazakhstan
- Wolkenstein Traffic and Mobility Concept, Italy
- Wels Local Traffic Concept, Austria

RAILWAYS

- Scandinavian-Mediterranean Corridor TEN-T 5, 700 km, Germany, Austria, Italy
- Brenner Base Tunnel, Feeder Line North, Rosenheim–Radfeld, 60 km, Germany, Austria
- Vienna–Graz High-Speed Railway Line, 34 km, Austria

URBAN TRANSPORTATION

- Warsaw Metro Line 2, approx. 20 km, Poland
- Ho Chi Minh City Metro Line 2, 18.6 km, Vietnam
- Lagos Cable Car, 12.5 km, Nigeria

ROADS

- A59, 6-Lane Upgrade Duisburg, 5.5 km, Germany
- B23, Garmisch-Partenkirchen Bypass, 5.4 km, Germany
- A26, Motorway – Linz Western Ring Road, 4.4 km, Austria

AIRPORTS

- Ashgabat International Airport, capacity of 14+ million passengers per annum, Turkmenistan
- Frankfurt International Airport, capacity of 64+ million passengers per annum, Germany
- Munich International Airport, capacity of 40+ million passengers per annum, Germany

PORTS & MARITIME

- FSRU Terminal in Gdansk, 4.5–9.0 bn Nm³/a, Poland
- LNG Terminal in Odessa, 10 bn Nm³/a, Ukraine
- Sonker Terminal Sokhna for Gasoil and LPG, 3 million m³/a of LPG, Egypt

TUNNELS & CAVERNS

- Brenner Base Tunnel, TBM/SEM, 55 km, Austria/Italy
- Future Circular Collider, TBM/SEM, approx. 100 km, Switzerland/France
- Stuttgart 21, Sections 1.2 and 1.6A, TBM/NATM, approx. 16 km, Germany

BUILDINGS & STRUCTURES

- Hietzing Hospital, 17,500 m² gross floor area, Austria
- BIRAGO Barracks, Construction of a New Military Vehicle Maintenance and Repair Facility/Garage Complex, 9,215 m² gross floor area, Austria
- New Production Facility for CERATIZIT, 8,300 m² gross floor area, 70,000 m³ gross building volume, Austria

SKI RESORTS

- Ski Resort Connection Pitztal–Ötztal, 64 ha ski resort, 3 ropeways, Austria
- Shahdag Tourism Complex, EUR 2 billion total investment costs, Azerbaijan
- Roza Khutor Alpine Ski Resort, 150 ha ski runs, 6 lift facilities including infrastructure, Russia



“World population growth and the increased desire for flexible mobility are constant challenges for our transport systems, making continuous improvements and the establishment of a multimodal network necessary.”

Bruno Mattle,
Group Director
Transportation & Structures



Warsaw Metro Line 2, Poland



Ashgabat International Airport, Turkmenistan



Roza Khutor Ski Resort, Russia

OIL, GAS & INDUSTRIAL

Oil and gas are energy sources which are integral to almost all aspects of our modern industrial society. The provision of design and consulting services for oil, gas and industrial projects is one of ILF's core focuses. A long history of successful oil and gas projects is testimony to ILF's expertise.



UPSTREAM

- Halfaya Oil Field Development, 100 mbpd (oil), 69 mmscmd (gas), Iraq
- Nawara Gas Field Development, 100 mmscfd (gas), 7 mbpd (condensate), Tunisia
- Expansion of Lam & Zhdanov Offshore Fields, 220 mmscfd (gas), 87 mbpd (crude oil), 13 mbpd (produced water), Turkmenistan

UNDERGROUND STORAGE

- Wierzchowiec Underground Gas Storage, 600,000 Sm³/h (withdrawal rate), Poland
- Crystal Gas Storage Facility, Etzel, 300,000 Sm³/h (injection rate), 600,000 Sm³/h (gas withdrawal rate), Germany
- Puchkirchen Gas Storage Plant, 520,000 Sm³/h (injection and withdrawal rate), Austria

PIPELINES

- Abu Dhabi Crude Oil Pipeline, 403 km, 48 diameter, UAE
- Trans-Adriatic Pipeline (TAP), 105 km offshore and 883 km onshore, 48 diameter, Greece, Albania and Italy
- Trans-Anatolian Gas Pipeline (TANAP), 1,800 km, 56 and 48 diameter, 7 compressor stations, Turkey

TANK FARMS & TERMINALS

- Amman Petroleum Product Terminal, 14 oil tanks each with 34,000 m³ capacity, 5 PLG tanks, Jordan
- Ceyhan Marine Terminal, 50 million t/a capacity, 7 tanks each with 150,000 m³, Turkey
- Chittagong Refinery Import Terminal and Offshore Pipelines, 150,000 m³ capacity, Bangladesh

LIQUEFIED NATURAL GAS (LNG)

- LNG Import Terminal in Odessa, 3 tanks with 540,000 m³ total storage volume, Ukraine
- FSRU Terminal in Gdansk, 4.5–9.0 bn Nm³/a capacity, Poland
- Kutubdia Offshore LNG Terminal, 130,000–145,000 m³ of LNG FSU, 500–600 mmscfd Regasification Unit, Bangladesh

REFINING

- SNOx – Combined Flue Gas SOx/NOx Reduction Plant, Schwechat, flow rate 820,000 Nm³/h, Austria
- Petrobrazi Refinery, Naphtha Splitter, 76.5 t/h feed rate, Romania
- Arpechim Refinery, Dust Filter for FCC Plant, 190,000 Sm³/h gas and 28.5 g/Sm³ maximum dust emission level, Romania

CHEMICALS & PETROCHEMICALS

- LD3 & LD4 High Pressure Reactor, Austria
- Gas to urea and polyolefin complex based on 150 mmscfd natural gas
- Revamp of LDPE production facility, 70 kt/a acrylate copolymers

MINING

- Copper Mine Centinela, Infrastructure and Sea Water Supply, Chile
- Copper Mine Esperanza, Infrastructure and Sea Water Supply, Chile
- Katco Uranium Mine, Kazakhstan



“ILF is passionate about finding solutions to supply the world with safe and reliable energy and chemicals.”

Christian Heinz,
Group Director
Oil, Gas & Industrial



Trans-Anatolian Gas Pipeline (TANAP), Turkey



Amman Petroleum Product Terminal, Jordan



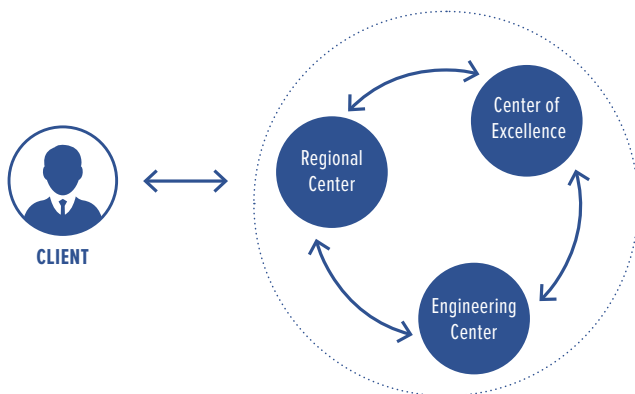
Halfaya Oil Field Development, Iraq

OFFICES AROUND THE WORLD

In the past decade, the engineering services market has undergone some major changes. Nowadays, international clients request closer cooperation with engineering partners on site, meaning engineers need to be within a reasonable proximity to clients.

There is also growing demand to train local personnel so that they can 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 optimized internal cooperation, and combining the competencies and capacities available in all ILF Group companies, provides maximum benefit for clients.



*40 offices across
five continents*



AMERICAS

- Calgary
- Lima
- Quito
- Santiago de Chile
- Seattle

EUROPE

- Baar
- Baku
- Bremen
- Brixen/Bressanone
- Dnipro
- Dornbirn
- Genoa
- Graz
- Hamburg
- Innsbruck
- Katowice
- Leipzig/Halle

EUROPE

- Leobersdorf
- Linz
- Moscow
- Munich
- Ploiesti
- Prague
- Stathelle
- Stuttgart
- Tbilisi
- Vienna
- Warsaw
- Zurich

AFRICA

- Accra
- Lagos

MIDDLE EAST

- Abu Dhabi
- Al Khobar
- Amman
- Dubai
- Erbil
- Riyadh

ASIA-PACIFIC

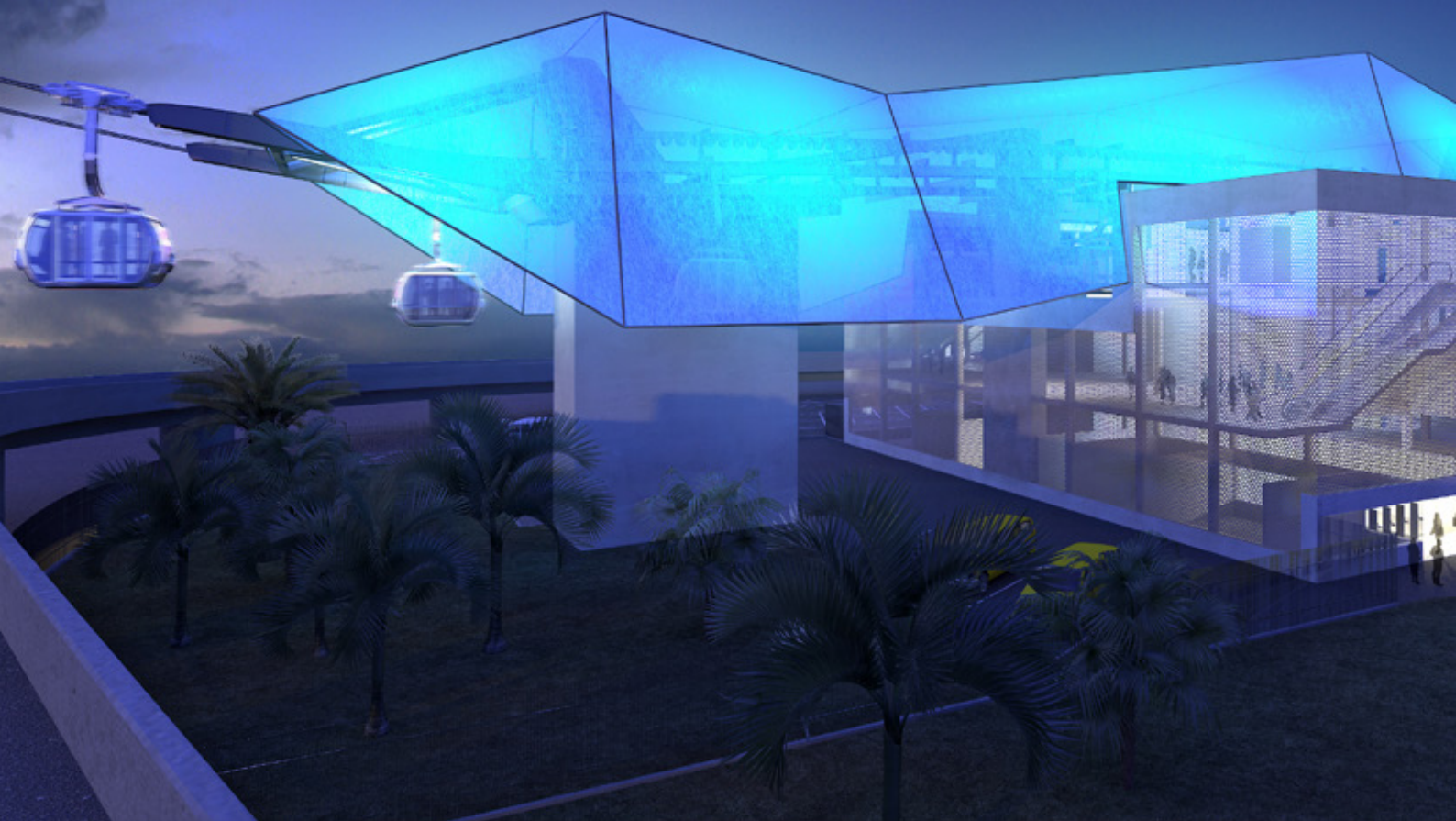
- Almaty
- Ankara
- Atyrau
- Bangkok
- Beijing
- Lahore
- Mumbai
- Vientiane

INNOVATIVE THINKING

As demonstrated from the very start by the company founders, ILF places great importance on innovative solutions. The technical solutions, materials and work stages, as well as work processes and tools used by ILF, reflect the Group's understanding and promotion of innovation.

“Digitalization is one of ILF’s key focuses, in order to further improve the service quality and overall efficiency within the company.”

Klaus Lässer, CEO

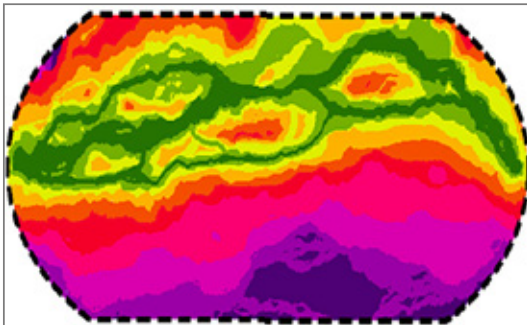


ILF works together with universities and public and private entities to participate in research projects in different sectors. In addition, ILF is actively involved in various working groups, developing new guidelines and concepts.



SUSTAINABLE HYDROPOWER ENGINEERING

RenRisk identifies the best possible project option and simultaneously optimizes technical, economic and risk aspects, thus creating certainty for all stakeholders.



GIS-BASED CONSTRAINT MAPPING

A multi-criteria method to optimize the alignment of traffic and transport projects.



I-FLOW

A unique hydraulic software program for designing and simulating pipeline systems and power plants.



RENEWABLE ENERGY DESALINATION

A pilot plant to research and develop energy-efficient, cost-competitive desalination technologies.



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