

# ILF GROUP ENGINEERING EXCELLENCE.



CONSULTING  
ENGINEERS

## ENERGY & CLIMATE PROTECTION



## WATER & ENVIRONMENT



## TRANSPORTATION & URBAN SPACES



## RESOURCES & SUSTAINABLE INDUSTRY



# ILF AT A GLANCE

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

**55+**  
years of experience

**11,100+**  
projects successfully executed

**3,000+**  
employees worldwide

**150+**  
countries in which ILF has been successful

**45+**  
office locations across six continents

**4**  
main business areas

With over 3,000 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.

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.

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

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



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

Klaus Lässer, CEO

# FOR A 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 from 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 whilst 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

### 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

It is the people at ILF that make the 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 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

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.

## 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

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

## PROJECT MANAGEMENT

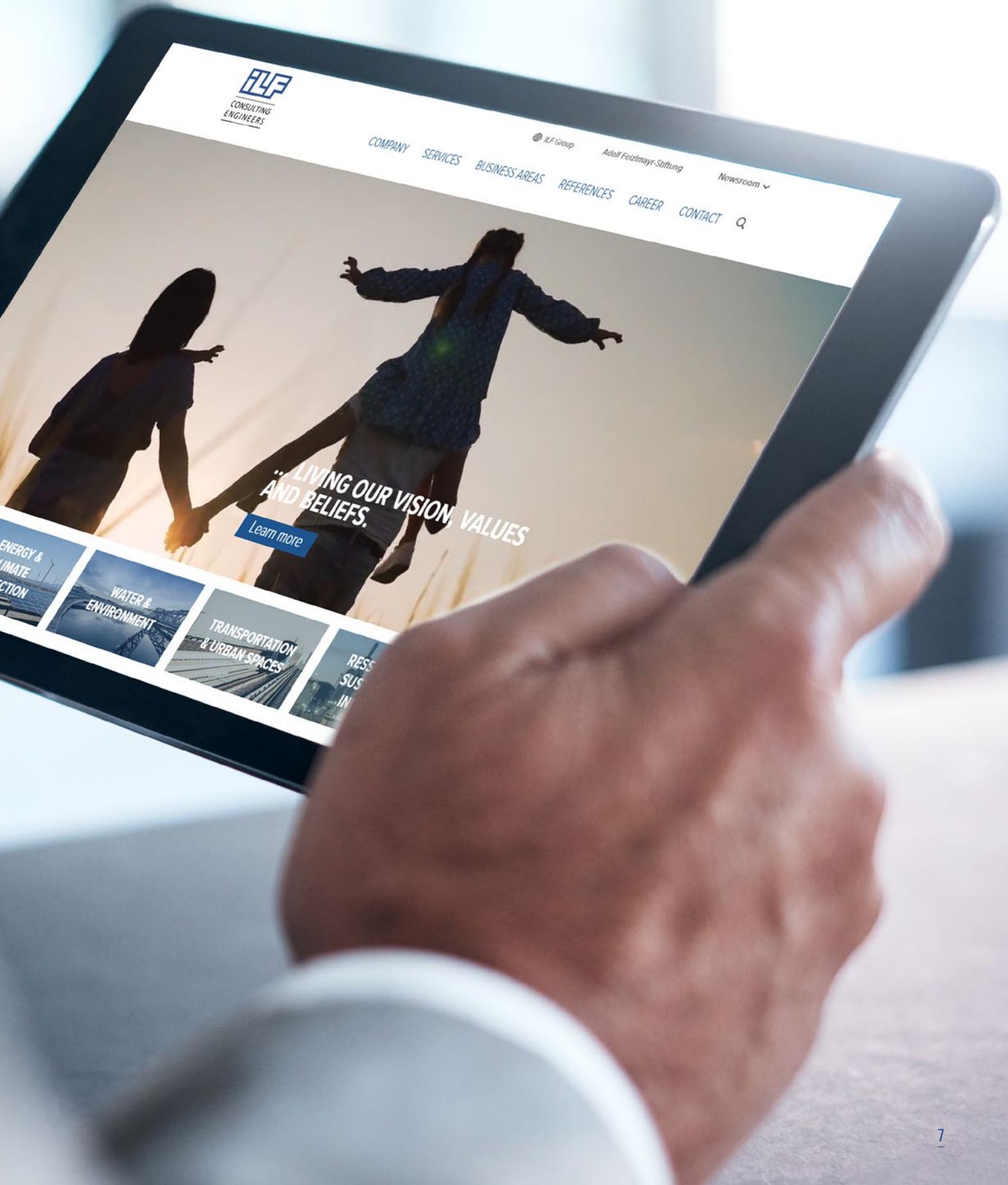
- Commissioning Supervision
- Construction Supervision
- Operation Supervision
- Procurement Services
- Project Execution Planning
- Project Management Consultancy
- Project Organization
- Risk Management
- Stakeholder Management
- Supply Chain Management

## ENGINEERING

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

## ADDITIONAL SERVICES

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



ILF Group  
Adolf Feitzlmayr-Stiftung  
Newsroom ▾  
COMPANY SERVICES BUSINESS AREAS REFERENCES CAREER CONTACT 🔍

...LIVING OUR VISION, VALUES AND BELIEFS.  
[Learn more](#)

- ENERGY & CLIMATE PROTECTION
- WATER & ENVIRONMENT
- TRANSPORTATION & URBAN SPACES
- RESSUS IN

# 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 energy being supplied from sustainable sources for present and future generations.



## SOLAR POWER

- Expansion of National Wind & Solar Portfolio, Multi-GW Development, KSA
- Goaltore PV Power Plant 135 MW<sub>p</sub> (PV), IND
- Power Supply for Desalination Plant and Water Transmission System – Windhoek, 100 MW<sub>p</sub> (PV), 400 MWh (Battery Energy Storage System – BESS), NAM

## WIND POWER

- Hyphen Wind Power Plant, 3.5 GW, NAM
- Haql, Bajdah and Al Ebiriq Wind Power Plants, 1.5 GW, KSA
- Baltic Power Offshore Wind Farm (OWF), 1.2 GW, Baltic Sea

## HYDROPOWER

- Saravan Downstream Hydropower Plant, 2.5 GW, LAO
- Atdorf Pumped Storage Plant, 1.4 GW, GER
- Limmern Pumped Storage Plant, 1 GW, SUI
- Qairokkum Hydropower Rehabilitation Project, 174 MW, TJK
- Stanzertal Hydropower Plant, 13.5 MW, AUT

## BIOENERGY

- Zabrze Combined Heat and Power Plant, 140 MW<sub>th</sub> and 75 MW<sub>el</sub>, POL
- Częstochowa Combined Heat and Power Plant, 120 MW<sub>th</sub> and 65 MW<sub>el</sub>, POL
- Hall Biomass-Fired Cogeneration Plant, 27 MW<sub>th</sub> and 1.1 MW<sub>el</sub>, AUT

## THERMAL POWER

- Kozienice Power Plant, 1,075 MW<sub>el</sub>, POL
- Shuqaiq II Independent Water and Power Project (IWPP), 850 MW<sub>el</sub>, KSA
- Khulna Dual Fuel Combined Cycle Power Plant, 330 MW<sub>el</sub>, BAN

## WASTE TO ENERGY

- Municipal Waste Incineration Plant in Warsaw, 54 MW<sub>th</sub> and 24 MW<sub>el</sub>, POL
- Hazardous Waste Incineration Plant in Jezuicka Struga, 16.25 MW<sub>th</sub>, POL
- Multi-Fuel Waste-to-Energy Plant in Sharjah, 29 MW<sub>el</sub>, UAE

## HYDROGEN

- Point Tupper – PMC Services for Green H<sub>2</sub> / NH<sub>3</sub> Project, 1–10 MMTA, CAN
- Conceptual Design & Engineering Services for GW-Scale Green H<sub>2</sub> / NH<sub>3</sub> Development Projects, ANG/NAM/KAZ
- Conceptual Design & FEED for up to 200 MW H<sub>2</sub> Electrolysis for Industrial Facilities, AUT

- Demo4Grid Project – 4 MW Electrolyzer, H<sub>2</sub> Storage, H<sub>2</sub> Truck Refueling Station, AUT
- FEED for H<sub>2</sub> Pipeline System with Storage, FIN

## HYBRID POWER

- ECOWAS Regional Infrastructure Master Plan, 150 MW<sub>p</sub> (PV) and 150 MW/150 MWh (BESS), GAM
- “Power to Mine” Project – Hybridization of Banfora Off-Grid Gold Mine, 24 MW<sub>p</sub> (PV) and 35 MWh (BESS), BUR
- Fiji Solar PPP – Pacific’s Largest Solar Project, 15 MW<sub>p</sub> (PV incl. BESS), FIJ

## 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
- OWF 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 (BESS), KSA
- Feasibility Study for BESS ancillary grid services, primary reserve, and integration of variable renewable energy sources, 80 MW/80 MWh (PV/Wind), SEN

## HEATING & COOLING

- Heating Plant and Storage Facility in Ingolstadt, 50 MW<sub>th</sub>, GER
- Seawater Heat Pump in Esbjerg, 50 MW<sub>th</sub>, DEN
- Sewage Heat Recovery System, 12 MW<sub>th</sub>, POL



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

Fred Wendt,  
Group Director  
Energy & Climate Protection



Hall Biomass-Fired Cogeneration Plant, AUT



Demo4Grid Hydrogen Project, AUT

# 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 treatment to water reuse. Being passionate about caring for 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 m<sup>3</sup>/d, IRQ
- “Project Wave” Seawater Sulfate Removal Plants, 523,000 m<sup>3</sup>/d, UAE
- Taweelah Independent Water Project (IWP), 909,000 m<sup>3</sup>/d, UAE
- Shuqaiq III Independent Water Project (IWP), 450,000 m<sup>3</sup>/d, KSA
- Spence Growth Options Sea Water Reverse Osmosis (SWRO) Project, 86,000 m<sup>3</sup>/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
- Korça Water Supply and Sanitation System, 85,000 PE, ALB
- 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

## WATER TRANSMISSION

- Common Seawater Supply Project (CSSP), 436 km, 2.0 million m<sup>3</sup>/d, IRQ
- Rabigh-Jeddah / Makkah Water Transmission System, 229 km twin line, 368 km single line, 1.8 million m<sup>3</sup>/d, KSA
- Jubail-Riyadh Water Transmission System, 408 km, 1.2 million m<sup>3</sup>/d, KSA
- Ras Al Khair-Riyadh Water Transmission System, 375 km twin line, 106 km single line, 947,000 m<sup>3</sup>/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 m<sup>3</sup>/d, GER
- Esperanza Sea Water Supply Project, 144 km, 121,000 m<sup>3</sup>/d, CHI

## WATER TREATMENT

- Dhahran Water and Wastewater Facilities, 100,000 m<sup>3</sup>/d, KSA
- Kagera Water Works, 30,000 m<sup>3</sup>/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

## WASTEWATER TREATMENT

- Vienna Main Wastewater Treatment Plant (WWTP), 670,000 m<sup>3</sup>/d, AUT
- Sulaibiya Wastewater Treatment and Reclamation Plant, 600,000 m<sup>3</sup>/d, KUW
- Czajka Wastewater Treatment Plant (WWTP), 435,000 m<sup>3</sup>/d, POL
- Jeddah Airport 2 Independent Sewage Treatment Plant, 300,000 m<sup>3</sup>/d, KSA
- Niederrad Wastewater Treatment Plant (WWTP), 240,000 m<sup>3</sup>/d, GER

## INDUSTRIAL WATER

- Zuluf Water Treatment Facility Project, 560,000 m<sup>3</sup>/d, KSA
- Marafiq Industrial Wastewater Treatment Plant (IWP-8), Stage 4, 125,000 m<sup>3</sup>/d, KSA
- Industrial Water and Wastewater Treatment Plant (IWWTP) – Jeddah Industrial City 1, Rehabilitation, 35,000 m<sup>3</sup>/d, KSA
- WWTP for Pharmaceutical Company, 10,000 m<sup>3</sup>/d incl. 1,600 m<sup>3</sup>/d highly polluted wastewater, AUT
- Al Mu’ajjiz Terminal, Water Treatment and Rehabilitation, 1,600 m<sup>3</sup>/d, KSA

## 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



*“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



Czajka Wastewater Treatment Plant, POL



Ras Al Khair-Riyadh Water Transmission System, KSA

# TRANSPORTATION & URBAN SPACES

We are enhancing mobility and urban spaces! ILF is focused on multimodal and connected mobility, as well as on society-oriented building and infrastructure design that optimizes the use of resources. We are hereby able to protect valuable rural areas and create urban structures that meet the needs of tomorrow.



## URBAN DEVELOPMENT

- The Red Sea Project (Tourism Development Area), 28,000 km<sup>2</sup>, KSA
- GAMMA Nexus Cyber Park, 4,530,000 m<sup>2</sup> gross floor area, AUT
- Postsportviertel (Post Office Sports Facility – Urban Development Area), 100,000 m<sup>2</sup> gross floor area, AUT

## RAILWAYS

- Construction of new Western Railway Line between Linz and Wels, 21.8 km, AUT
- Feeder Line North of the Brenner Base Tunnel, Schaftenaus–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

- A 59, 6-Lane Upgrade Duisburg, 6.7 km, GER
- A 99, 8-Lane Upgrade Kirchheim Junction–Haar Junction, 12 km, GER
- A 26, 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 & CAVERNS

- Gotthard Base Tunnel, TBM/SEM, 16.9 km, SUI
- 2nd S-Bahn Main Line, TBM/SEM, electro-mechanical equipment, 7.3 km, 3 stations, GER
- Stuttgart 21, Design, Site Supervision and Construction Management, TBM/NATM, approx. 38 km, GER

## STRUCTURES

- 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

- KFN PSY, Psychiatric Hospital, 22,300 m<sup>2</sup> gross floor area, AUT
- Innrain 52a University Building for University of Innsbruck, 15,000 m<sup>2</sup> gross floor area, AUT
- IST Austria Chemistry Lab, research building, 13,000 m<sup>2</sup> gross floor area, 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



*“Efficient and sustainable multimodal transportation requires reliable and up-to-date infrastructure which is sensibly integrated into both rural areas and urban structures.”*

Bernhard Kohl,  
Group Director  
Transportation & Urban Spaces



Ashgabat International Airport, TKM



New Vienna–St. Pölten Railway Line, AUT



Tunnel Link to Main Station – Stuttgart 21, GER

# 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 a good quality of life for future generations.



## UPSTREAM

- Halfaya Oil Field Development, 100 mbpd (oil), 69 mmscfd (gas), IRQ
- Lam and Zhdanov Offshore Fields Expansion, 220 mmscfd (gas), 87 mbpd (crude oil), 13 mbpd (produced water), TKM
- Nawara Gas Field Development, 100 mmscfd (gas), 7 mbpd (condensate), TUN

## UNDERGROUND STORAGE

- Wierzychowice Underground Gas Storage, 600,000 Sm<sup>3</sup>/h (withdrawal), POL
- Crystal Gas Storage Facility, Etzel, 600,000 Sm<sup>3</sup>/h (withdrawal), GER
- Puchkirchen Gas Storage Plant, 520,000 Sm<sup>3</sup>/h (withdrawal), AUT

## 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 m<sup>3</sup> oil tanks, 8 LPG tanks, JOR
- Ceyhan Marine Terminal, 50 million t/a, 7 x 150,000 m<sup>3</sup> crude oil tanks, TUR
- Chittagong Refinery Import Terminal and Offshore Pipelines, 150,000 m<sup>3</sup> (crude oil), 90,000 m<sup>3</sup> (diesel oil), BAN

## LNG

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

## 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

## MINING

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

## REFINING

- Schwechat Refinery, SNOx – Combined Flue Gas SOx/NOx Reduction Plant, 820,000 Sm<sup>3</sup>/h flow rate, AUT
- Petrobrazi Refinery, Naphtha Splitter, 76.5 t/h feed rate, ROU
- Arpechim Refinery, Dust Filter for FCC Plant, 190,000 Sm<sup>3</sup>/h flow rate, ROU

## INDUSTRIAL

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

## CARBON MANAGEMENT

- Carbon footprint reduction concepts for integrated oil company, RUS
- Mellitah Offshore Gas Field, CO<sub>2</sub> capture and permanent storage, LBA



*“ILF is passionate about finding solutions to supply 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



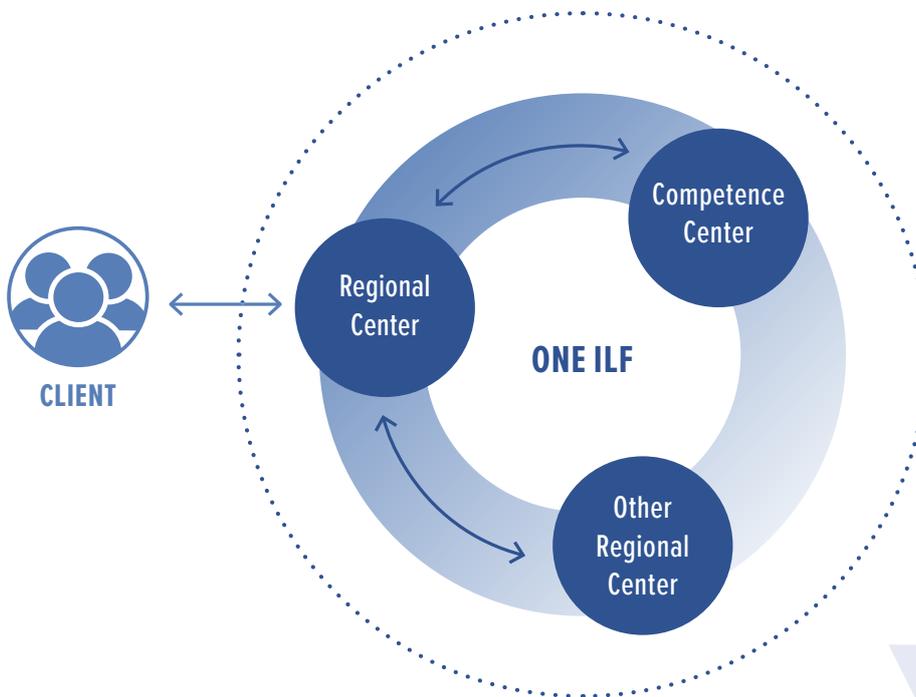
Halfaya Oil Field Development, IRQ

# 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.



**AMERICAS**

- Calgary
- Lima
- Santiago de Chile

**EUROPE**

- Baar
- Berlin
- Bremen
- Brixen/Bressanone
- Dornbirn
- Fontainebleau
- Essen
- Genoa
- Graz
- Hamburg
- Innsbruck
- Katowice
- Leipzig/Halle
- Leobersdorf

**EUROPE**

- Linz
- London
- Madrid
- Munich
- Ploiești
- Poznań
- Prague
- Stathelle
- Stuttgart
- Tbilisi
- Vienna
- Warsaw
- Zurich

**AFRICA**

- Lagos

**MIDDLE EAST**

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

**ASIA-PACIFIC**

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

**AUSTRALIA**

- 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, whilst 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

---

[www.ilf.com](http://www.ilf.com)