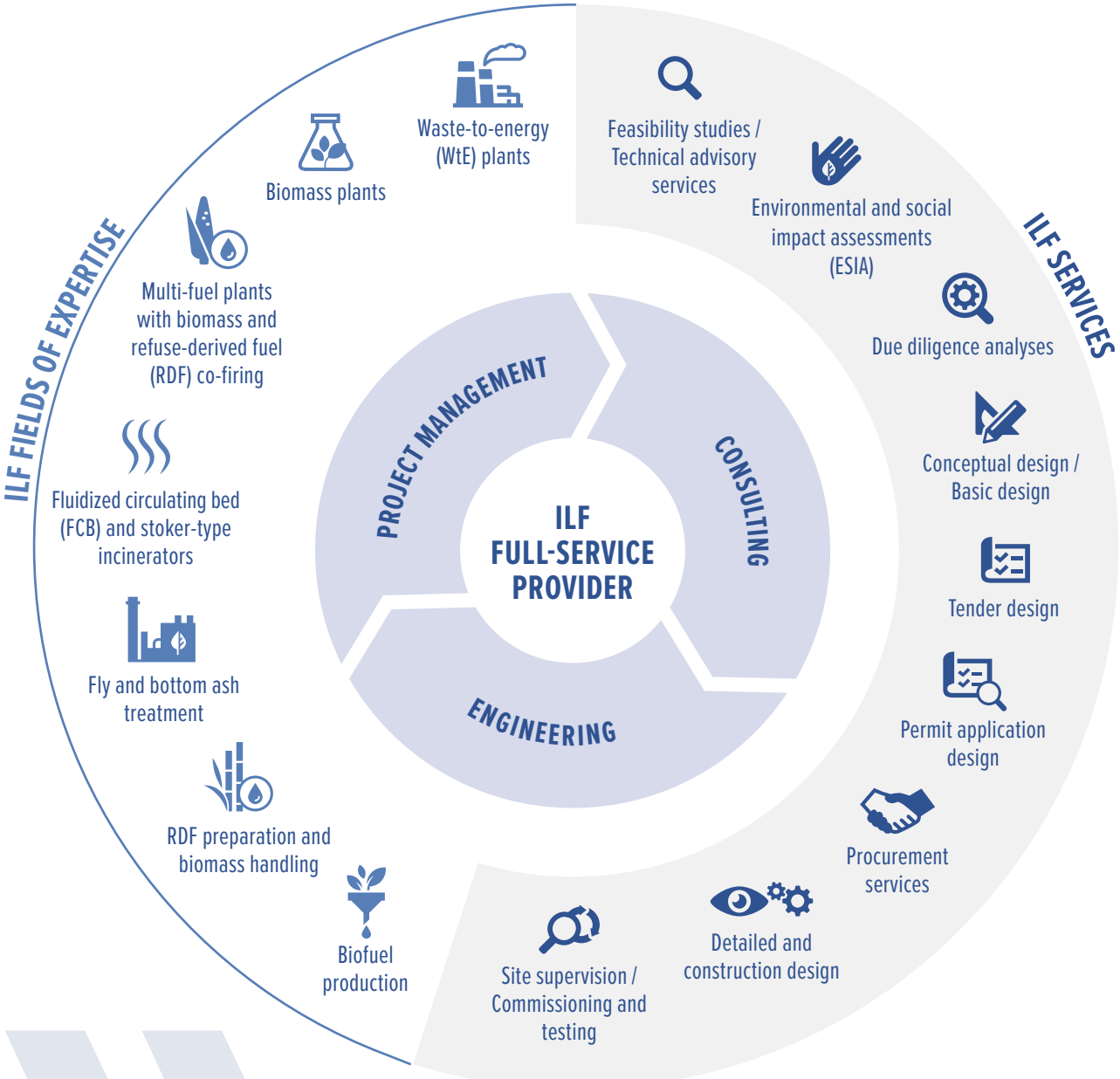
WASTE-TO-ENERGY AND BIOENERGY.

ENGINEERING EXCELLENCE.

ILF CONSULTING ENGINEERS

WASTE-TO-ENERGY AND BIOENERGY

The use of biomass and solid waste thermal treatment are important components in the energy mix that provide alternatives to fossil fuels. Biomass-derived sources of energy, ranging from organic material (for direct incineration) to biogas and liquid fuels (generated through processes like fermentation, gasification or pyrolysis) are not only carbon neutral, but also contribute to reducing CO_2 emissions. Waste-to-energy plants furthermore support recycling facilities in minimizing the enormous amount of waste produced by modern society, and simultaneously produce electrical energy and heat.



2,800,000+ TONS OF WASTE CONVERTED PER YEAR BY ILF-DESIGNED FACILITIES

Over the last ten years, ILF has been involved in some of the world's largest waste management projects. With highly qualified specialists that have the latest technical know-how, ILF is able to plan and design waste-to-energy and bioenergy facilities of any type or size.

ILF has proven itself to be a reliable partner for private investors and public sector operators, through its provision of the complete range of integrated and interdisciplinary services for all project development stages, from a single source, in a series of waste-to-energy and bioenergy initiatives.

To rise to the challenge of waste disposal, ILF focuses on providing modern solutions, in accordance with best engineering practice, while ensuring that these solutions meet clients' specific needs.

"The development, construction and installation of waste-to-energy and biomass facilities, capable of recovering energy and reducing waste volume, help project developers in their endeavors to contribute to sustainable development and to respect and protect our environment."

Marcin Stanisz
Engineering Manager

PROJECT HIGHLIGHTS

- Dubai Waste-to-Energy Plant (1,825,000 Mg/a), UAE
- Sharjah Multi-Fuel Waste-to-Energy Plant (300,000 Mg/a), UAE
- Kyiv Solid Waste Incineration Plant (235,000 Mg/a), Ukraine
- Poznań Solid Waste Incineration Plant (210,000 Mg/a), Poland
- Gdańsk Waste-to-Energy Plant (160,000 Mg/a), Poland
- Konin Solid Waste Incineration Plant (94,000 Mg/a), Poland
- Białystok Combined Heat and Power Plant (203.5 MWel, 380 MWth), Poland
- Zabrze Combined Heat and Power Plant (75 MWel, 139 MWth), Poland
- Częstochowa Combined Heat and Power Plant (65 MWel, 120 MWth), Poland
- Chorzów Biomass-Fired Unit (25–30 MW_{el}, 45 MW_{th}), Poland
- Biomass-Fired Cogeneration Plant in Hall in Tirol (1.1 MWel, 27 MWth), Austria

Konin Solid Waste Incineration Plant, Poland – © Szymon Kocioruba

Zabrze Combined Heat and Power Plant, Poland

Biomass-Fired Cogeneration Plant in Hall in Tirol, Austria

Dubai Waste-to-Energy Plant, UAE

CONSULTING
ENGINEERS

www.ilf.com

Rev_0