



**PLASTIC
RECYCLING.**

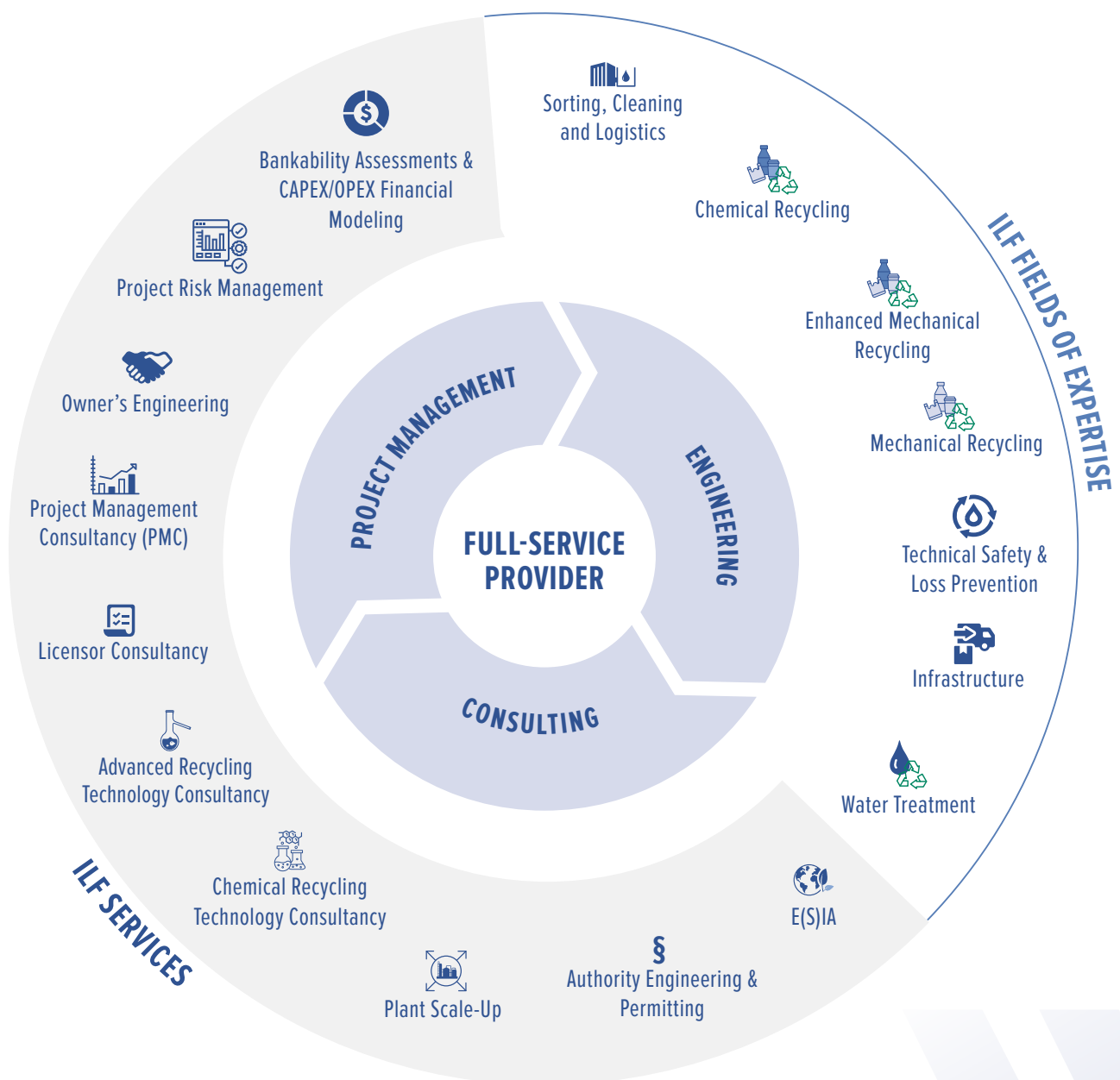
ENGINEERING EXCELLENCE.



CONSULTING
ENGINEERS

PLASTIC RECYCLING

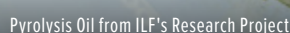
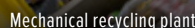
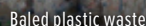
The European Commission has set ambitious targets for recycling rates of post-consumer plastics, aiming to save natural resources that we can proudly pass on to future generations. At ILF, we are committed to unlocking the potential of post-consumer plastics as a valuable feedstock for plastic producers and petrochemical operators, aiding the enhancement of their business models toward a circular economy. This strategy is a step towards enhancing sustainability in a sector that remains heavily reliant on fossil carbon.





Natalia Olahova,
Business Development Manager

- **Plastic to Syngas Pilot Plant**
Recycling of waste plastics via gasification to produce syngas – industrial scale-up, Austria
- **Chemical Plastic Recycling**
Novel-Technology for production of synthetic crude oil out of plastic waste, 16,000 t/a, confidential location
- **Research in cooperation with TU Wien**
Utilization of synthetic crude from pyrolyzed municipal plastic waste in an industry-near FCC pilot unit, Austria
- **Lighthouse Mechanical Plastic Recycling**
Commercialize recycled polyolefin products to regular polyolefin customers, 90,000 t/a, confidential location
- **Mechanical Plastic Recycling**
Production of high-end polyolefins compounds and preparation of feedstock for chemical recycling, 2 t/h, confidential location
- **Waste Polymer Recycling**
Advanced Recycling Unit for pre-sorted municipal waste material, 50,000 t/a, confidential location





CONSULTING
ENGINEERS

www.ilf.com