## SULZER

# Maximize efficiency with Sulzer advanced extraction solutions – **OptimEXT™**





How can we help you? Contact us today to find your best solution.

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### Sulzer OptimEXT<sup>™</sup> is a proven and cost-effective alternative to conventional separation processes

**OptimEXT™** is Sulzer's newest separation solution that integrates liquidliquid extraction with solvent recovery to achieve new heights of performance, reliability, and cost-effectiveness.

Liquid-liquid extraction is a crucial step of effective process design. This unit operation is highly effective at concentrating, purifying, and recovering products and by-products. It delivers superior results in applications where conventional thermal methods are too energy-consuming, technically challenging, or not cost-effective.

All **OptimEXT<sup>™</sup>** solutions are designed around Sulzer proven extraction technologies, especially around the well-known **Kühni<sup>™</sup> agitating column**. These are combined with Sulzer's high-performance **distillation** units to efficiently recover and recycle solvents, transforming challenges into opportunities.

### Industry applications

Some examples of successful OptimEXT™ deployment include:

- Refining & petrochemical: Efficient contaminants removal
- Hydrometallurgy: Maximized metal recovery with minimized plant inventory
- Wastewater treatment: Effective VOC removal
- Process Industries: By product purification combined with cost effective solvent recovery

#### Guaranteed performance

Sulzer's in-house pilot facilities allow to test your actual feedstock before fullscale implementation, providing:

- Process improvement
- · Performance guarantees based on pilot plant results
- Reliable scale-up