

The expertise

Liquid-liquid extraction is a separation technology used in processes associated with nuclear recycling and mining.

Unlike distillation technologies (separation based on differences in boiling point), solvent extraction separates species of interest according to their differences in solubility between two immiscible liquids. The complexity of the mixtures resulting from mining processes (nature of the acid, complex matrix, etc.) makes it difficult to develop, optimize and dimension solvent extraction processes.

Added value

- Various solvent extraction solutions in mixer-settling tank, agitated column and/or pulsed column
- Recovery of various metals: uranium, rare earths, vanadium...

