

## **Carbon Footprint Reduction in the pharmaceutical industry through innovative solvent recovery**

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Environmental Sustainability is of utmost importance for Lonza, a leading CDMO in the pharmaceutical industry. The production of API's requires large amounts of energy and typically yields high volumes of waste. Lonza is committed to continuously reducing its carbon footprint through green energy, green solvents, energy integration, waste reduction and solvent recovery. The majority of the process waste is going to a recovery process resulting in the regeneration of over 10,000 Tons of solvent per year. This is an extremely effective method for reducing the carbon footprint in the Small Molecule API production business. The methods of identifying and implementing processes to recover solvents and their effect on carbon reduction in a highly regulated environment are presented.