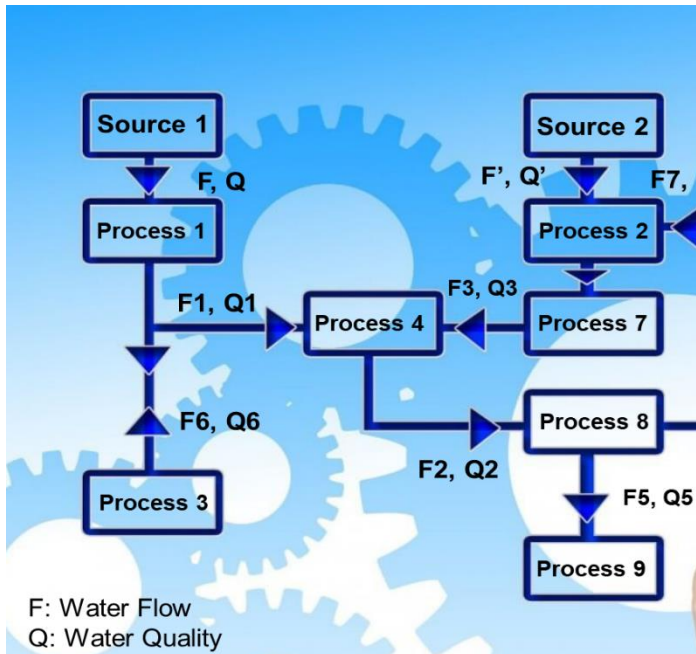


Water Pinch: A Process Integration Tool

for monetary gains through enhanced wastewater reuse & salt management



UNIQUE FEATURES

- ✓ Helps industry proactively move **beyond compliance**
- ✓ **Reduces capital-intensive activities** for wastewater management
- ✓ Property-based water allocation network
- ✓ Helps optimize **salt loads and accumulation**

CII has extensive experience of conducting Water Pinch studies

- Water Pinch study at a Pharmaceutical unit identified
 - Freshwater reduction: **33%**
 - Wastewater reduction: **54%**
 - Monetary savings: **17 Million INR**
 - **Enhanced salt loads at MEE** leading to reduction in steam requirement

Water Pinch

- A world-class optimization technique
- **Enhances water reuse** through integration of water-using activities
- **Eliminates overload of flow and salt** at the ETP

Integrating Triple Bottom Line approach



ECONOMIC

Minimize CAPEX



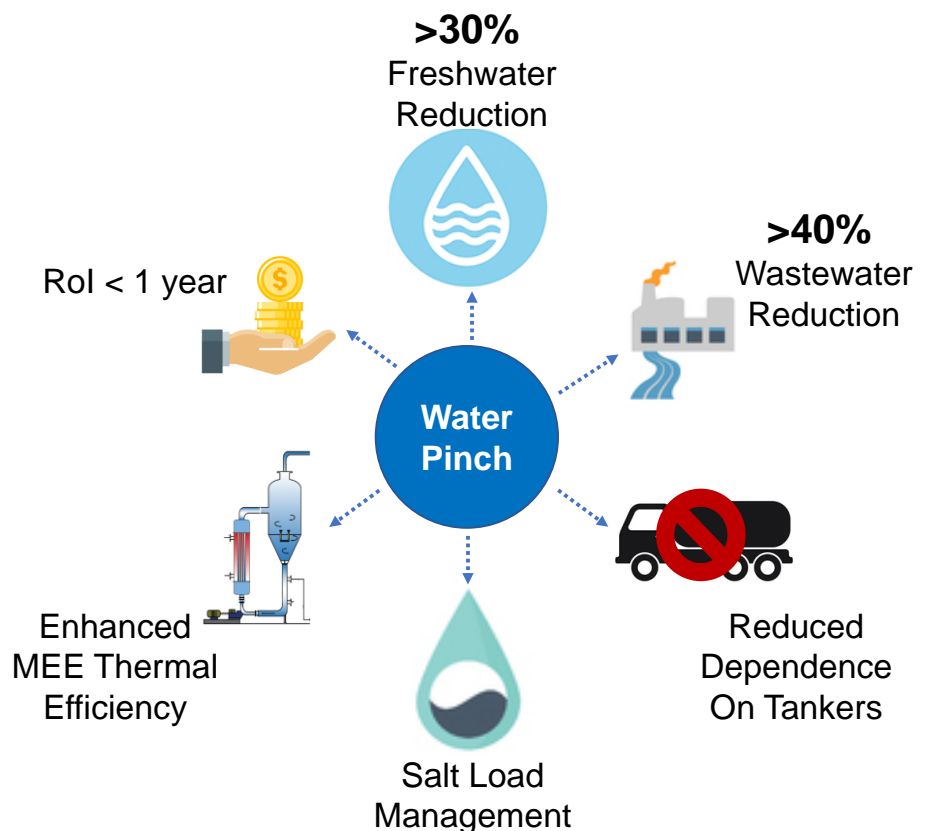
ENVIRONMENTAL

Reduction in **freshwater, wastewater and salt**



SOCIAL

Enhancing **ownership**



Get your Water Pinch done Today

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