



TEL FSI, INC.

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Company

TEL FSI, INC. designs and manufactures semiconductor and surface preparation equipment such as the ORION, ANTARES, and ZETA.

Intern Project

There are three main focuses for the project: to reduce water usage, minimize liquid nitrogen consumption, and optimize recycling opportunities.

Incentives to Change

A major incentive for change comes from parent company Tokyo Electron Limited (TEL) goals to reduce their environmental impact in the form of water, energy, and waste.



Minnesota Technical Assistance Program

Solutions

Decommission ORION 1:

Decommissioning can save approximately 40% of facility water use in addition to nitrogen savings, as this tool is no longer in use

Install Water Meters:

Assist in future water reductions and alert facility of abnormally high usage

Optimize Nitrogen:

Increase awareness of N₂ usage and address any leaks

Send Trash to Waste to Energy Facility:

Reduce landfill waste by 75%



Expand Recycling Streams:

Add compost stream, expand plastic films recycling, and utilize clean room garment recycling program