

# REFERENCE PROJECT | Long-term Savings with MacDermid Envio's Batch Treatment

Taking bigger steps...  
to leave a smaller footprint

MacDermid Envio's consultative approach removed the guesswork from system design, providing a tailored, efficient solution.



Arkansas

## THE CHALLENGE

### Waste Disposal, Rising Operational Costs, and Aging Equipment

A global specialty wire manufacturer for the automotive industry needed to replace its outdated wastewater treatment system to support higher production levels. Scaling up the existing system would require substantial capital investment and increase operational costs. The new system needed to handle a dynamic mix of contaminants while meeting strict environmental regulations.

## THE MACDERMID ENVIO SOLUTION

### Segregating Contaminants with Batch Treatment

After analyzing the client's production processes and wastewater, MacDermid Envio discovered that only 2% of contaminants were causing the majority of treatment issues. We designed and installed an electronically-controlled batch treatment system that segregated high-strength wastes from regular wastewater. The system included two modules tailored to the specific characteristics of each waste type.

## THE RESULT

### Lower Costs, Improved Efficiency, and Future Growth

With MacDermid Envio's batch treatment solution, the manufacturer achieved:

- Reduced operating costs by minimizing the need for specialty chemicals
- Eliminated unnecessary labor and attention
- Improved manufacturing efficiency
- Significantly reduced solid waste

Expected recoup of the capital investment is two years, with millions in future savings. The system's modular design also allows for cost-effective, low-risk expansion to support future growth.



See our web site for more details  
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