IRIDE
ACQUE

CASE STUDY FOOD&BEVERAGE - REUSE

SOLO POMODORO.
MUTTI
PARMA

Mutti Instafactory

How to turn tomatoes into sauce directly in the countryside.

Mutti Instafactory

How to turn tomatoes into sauce directly in the countryside

PROBLEM

- **Field treatment away from the plant:** The treatment of tomatoes took place directly in the field where they were harvested using "Instafactory," far from the company's production site equipped with a wastewater treatment plant.
- **High costs and ecological impact:** This required transporting water via trucks and tankers, leading to high operational costs and failing to meet the company's ecological objectives due to the environmental impact caused by transportation.
- **Limited space and time:** Traditional plants required large spaces and long treatment times, which were not functional for the needs in the field.
- **Variability of pollutant load:** The level of contaminants in the wastewater varied, complicating the treatment process.
- **High water consumption:** To reduce consumption, the company aimed to reuse washing water multiple times.

SOLUTION

→ **COMPACT AND MOBILE SOLUTION**

After successfully testing the EMER process in the laboratory for treating wastewater from "Instafactory," a compact and mobile solution was designed and installed. This solution included an oxidation phase, with clarification and flocculation, supported by a final refinement line for water reuse.

ADVANTAGES

+ **WATER REUSE AND DRASTIC REDUCTION OF POTABLE WATER TRANSPORT**
+ **COST SAVINGS ON OPERATIONAL EXPENSES**
+ **REDUCTION OF ENVIRONMENTAL IMPACT**
+ **USE OF MINIMAL SPACE FOR INFRASTRUCTURE**

Process Flow Diagram