

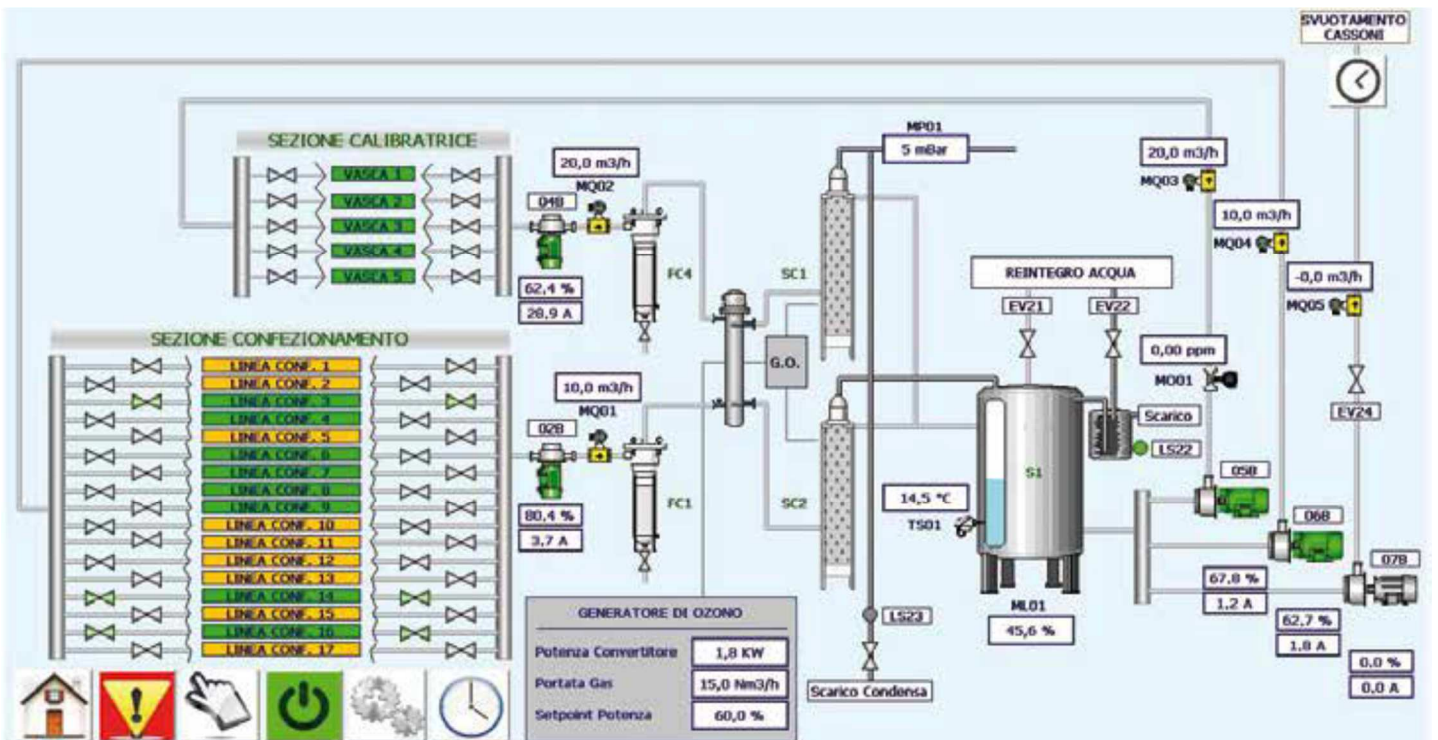


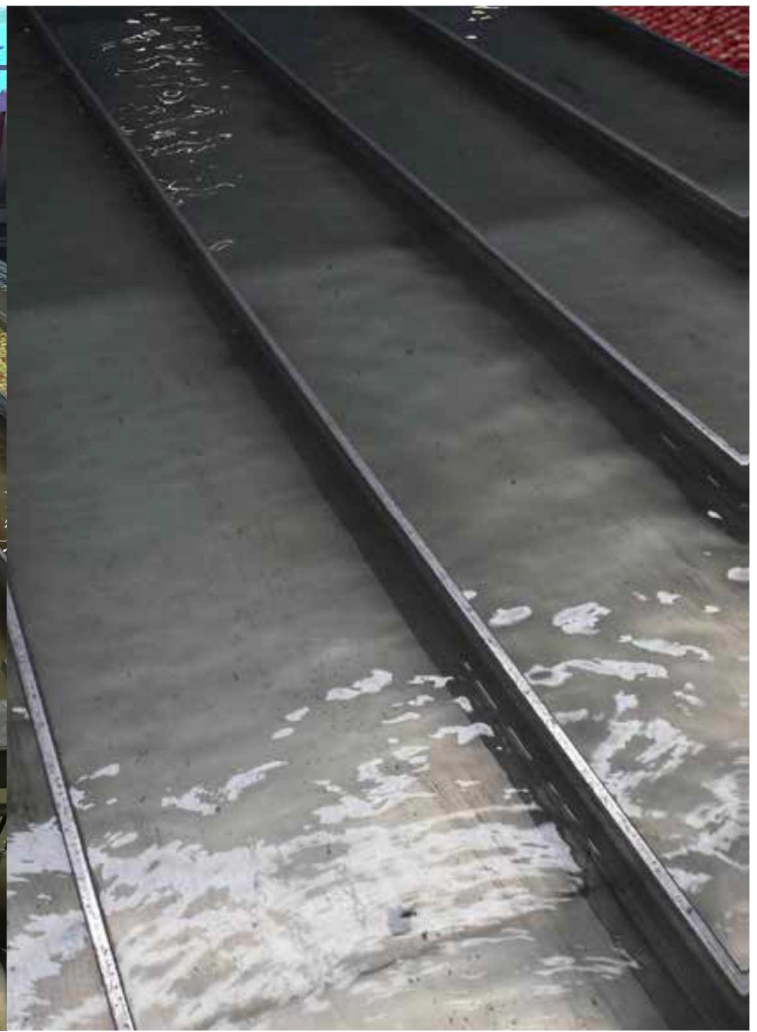
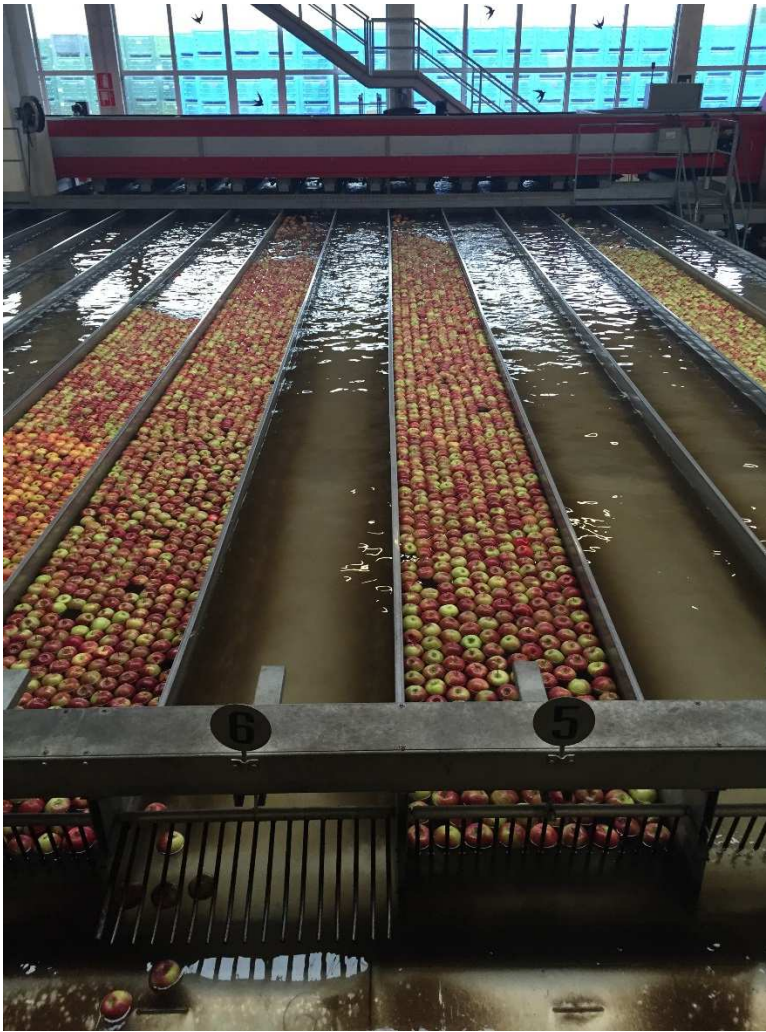
Apple's production water treatment plant

Plant overview



Ozonation plant draft P&I





Reached targets

The realization of the filtration and ozonation system of the production waters has focused the project objectives with respect to the quality of the water after the treatment:

- Elimination of turbidity in production waters
- Exponential abatement of bacterial and fungal charges
- Reduction of organic substances and BOD / COD
- Minimization of discharge flow rates in surface waters

Industrial advantages

The achievement of the project targets has allowed to achieve a number of advantages in the industrial practice of apple processing:

- Reduction of plant downtimes for cleaning:
 - from about 50 operations / year
 - to about 10 operations / year
- Water compatibility treated with "bio" products processing
- Significant savings of primary well water
- Re-use of waste water for industrial purposes (i.e. washing of chests)

HSE srl is an engineering and consulting company with many years of experience in the industrial and environmental field, able to provide integrated solutions starting from feasibility studies, business plans, detailed engineering, project management, commissioning, supervision and management of plants industrial with:

- Industrial and Environmental Engineering and Consulting
- Design of Industrial plant for fluids
- Engineering and consultancy on of waste water and primary water treatment
- Project Management
- Energy efficiency
- Fire Safety Engineering
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REFERENCES



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