



Save up to 50 % energy in the flotation process InjectaCell

New benchmarks in deinking flotation

In recycled paper stock preparation, InjectaCell enables very thorough removal of contaminants with minimal fiber loss. The paper suspension is aerated in several, serially connected cells. Using central aerating and mixing elements, the stock is injected with air bubbles which trap the hydrophobic contaminant particles and are then conducted to the surface. Thanks to a foam control strategy, only as much foam as necessary to reach the customer's target values will then overflow from the foam blanket. In a secondary stage, the foam that has been separated is re-flotated to minimize fiber loss.

Energy savings and optimum selectivity

Along with optimum selectivity combined with minimum fiber loss, a particular feature of Voith highly efficient InjectaCell flotation system is its reduced energy requirement. The reason for this is the proven LowEnergyFlotation (LEF) technology. Flotation systems using this technology are the latest generation of deinking flotation and can be used for all production requirements in the recovered paper stock preparation.

With the LEF technology, up to 50 % energy savings can be achieved with consistently optimum production quality.

Improve your energy balance

LowEnergyFlotation is a patented, energy-saving technology with minimal fiber loss. Thanks to the newly developed injectors and modified pump, the energy requirement in the flotation process can be reduced by up to 50 % without impairing the technological outcomes. The system ensures the desired degree of whiteness and maximum dirt speck reduction.

Upgrades made easy

Conventional E-Cell or EcoCell flotation systems from Voith can be easily upgraded to LowEnergyFlotation technology by replacing the injectors and adapting the flotation pumps. For E-Cell systems, a capacity increase of up to 15 % can also be achieved.

BlueLine – sustainable solutions for the future

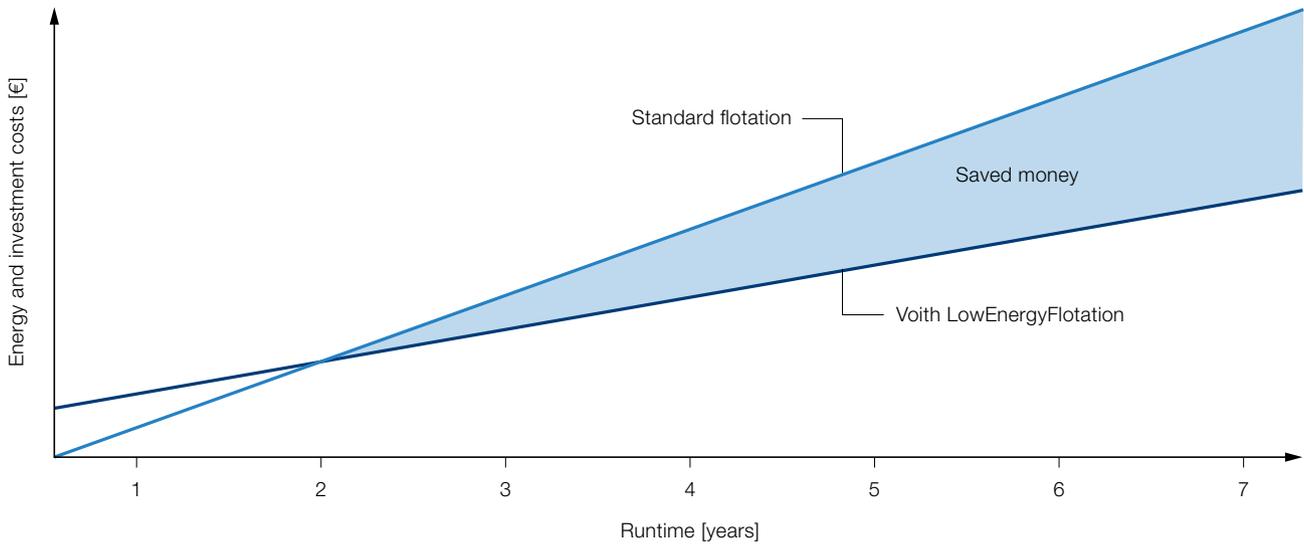
With its low energy requirement and reduced maintenance costs, InjectaCell is part of the new BlueLine product range which is tailored to the needs of a modern, environmentally friendly paper industry.

Your benefits

- + Up to 50 % reduced energy consumption due to LEF technology
- + Significant cost savings through reduced maintenance requirement
- + Optimum separation of ink particles with minimal fiber loss
- + Capacity increase of up to 15 % (E-Cell)

Upgrade to LEF technology

Short amortization period of the flotation systems thanks to high energy savings



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