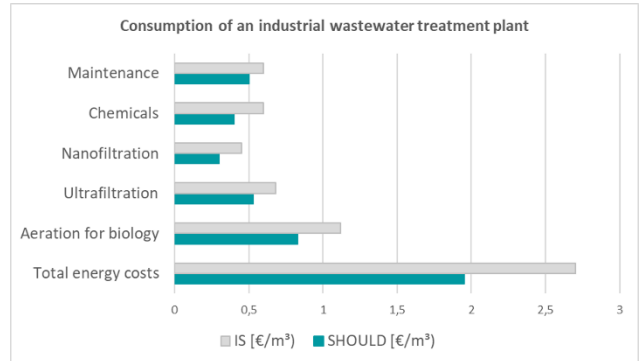


EFFICIENCY OPTIMIZATION ANALYSIS (EOA)

Purpose

Industrial wastewater treatment plants cope with frequent changes in the effluent to be treated: seasonal production, new production lines, changing wastewater parameters, expectations and treatment targets.

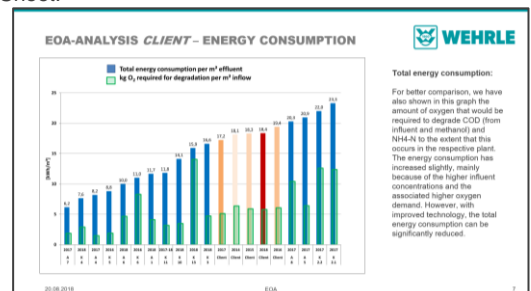
WEHRLE evaluates operation parameters and analyses the efficiency of the main process step of your plant, draws up an overview on how the plant performance could be optimized and works out an **EOA Action Plan** with recommendations how to improve your plant's key performance indicators.



EOA Action Plan:

- Compilation of results and formulation of recommendations for plant and operation optimization
- Highlights on optimization potential and potential savings
- Recording of plant-specific operating cost items
- Tabular / Graphical Presentation
- Conclusions

Example Sheet:



Typical Parameters evaluated¹⁾

- Total energy consumption (kWh/m³)
- Energy consumption for aeration of biology
- Energy consumption for process components
- Activated carbon consumption
- External carbon source costs
- Dosing chemical costs
- Maintenance
- Others according to task and plant

¹⁾ The parameters are process/plant dependent and are reasonably defined depending on the process/plant

Customer benefits

- saving on chemical consumption
- support on the operation of the plant
- increase components life time
- reduce need of wear & spare parts
- plant performance (COD and N removal)

Optional

On-site inspection of the plant, as well as data acquisition and discussion of the operating situation on-site by an experienced WEHRLE employee together with the plant operating personnel.

Related products

- Remote diagnostics & operation support
- Service & Maintenance
- Spare parts & Online-Shop
- Operating Staff & Contracting
- Plant extensions & Upgrades

The client shall provide the necessary data (Excel). These data will be treated confidentially

Subject to change without notice!