

## A Major Advance in Heat Exchanger Technology

EMbaffle® is a longitudinal flow Shell&Tube Heat Exchanger specifically suited for all the Services where :

- + corrosion issues are relevant
- + fouling rate is a serious concern
- + equipment vibration is an issue
- + process dynamics impose offset design conditions with increased flow rates

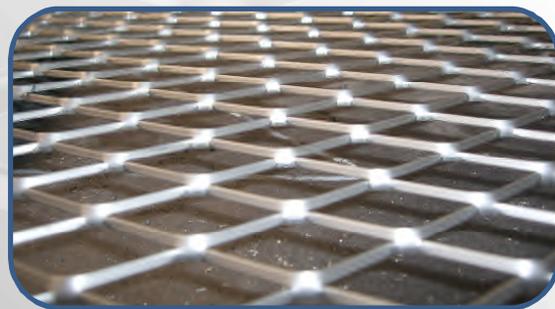
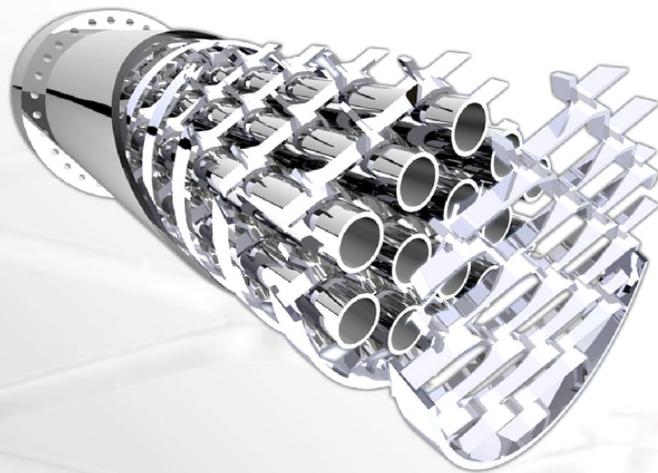
EMbaffle® can be successfully applied both to **New Project** and to **Refurbishments**

It permits to achieve very compact designs, with reduced diametrical dimensions and weights, respect to a conventional cross flow exchanger

In various situations, and also when a low temperature approach is required, a significant **reduction in number of shells** can be achieved

EMbaffle® proves successful in :

- + combined **reduction of CAPEX and OPEX**, typically where outer shell diameter and number of shells can be significantly reduced
- + considerable **increase in heat transfer efficiency** due to better turbulence governance respect to conventional exchangers



EMbaffle® technology is based on highly effective longitudinal flow

Patented Grid technology permits to achieve high heat transfer coefficients against low pressure drops

The specific Customer service can be accomplished in an effective way thanks to the proper selection of the grid porosity and size

EMbaffle gained a number of selected references in critical services

Our equipment is operating in some of the major Facilities in the World



### Working with the EMbaffle®

EMbaffle® technology is available under licence to Heat Exchanger Manufacturers

EMbaffle B.V. provides Licensees consulting services to design, review and verification of the thermal performances of EMbaffle®

EMbaffle B.V. supports Engineering Companies, Procurement Contractors and End Customers to ensure the optimal integration of their equipment and clean, safe and reliable operations

EMbaffle B.V. has chosen the widespread HTRI® software as reference design tool

### For any information contact us at:

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