

CASE STUDY: Corrosion Lining Materials

INDUSTRY	Valve
PROJECT NAME	Corrosion Lining Materials to replace PFA/PTFE
PRODUCT TYPE	Feasibility Study
DESCRIPTION	Improve the performance of lining flow components and to expand the application field of its products. The objective is to replace or modify the PFA material in order to improve the chemical resistance, the permeation feature, temperature resistance, cold flow characteristics and friction coefficient.
RESULT	The feasibility Study deliverables included a) benchmarking of current corrosion resistance, pressure limits, temperature limits, cost and throughput of PFA and PTFE material used for this application, b) a survey of potential alternative materials, c) an analysis of how the alternatives would affect the performance of the product along the aforementioned dimensions.
DURATION	3 months

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