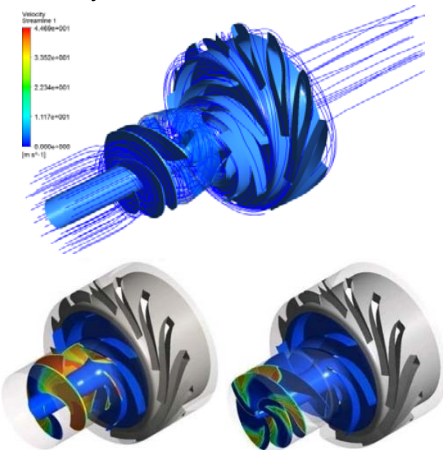


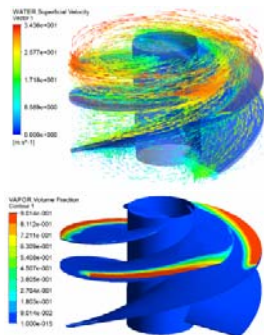
研发中心案例研究分享 R&D CASE STUDY BRIEFING

超级诱导轮，助力低温 LNG 泵运行安全、经济 Super Inducer Helps the Operation of Low Temperature LNG Pump Safely and Economically

IPT 成功设计了超级诱导轮，使低温 LNG 泵汽蚀性能取得重大突破，力保 LNG 泵指标优秀，助力低温 LNG 泵运行更安全、更经济 IPT successfully designed the super inducer that has made a significant breakthrough in the NPSHr of low-temperature LNG pump, guaranteed the excellent performance of LNG pump, and helped the operation of low-temperature LNG pump to be safety and more economic



系统过流区域的汽蚀分布特性
Distribution Characteristics of Cavitation in the Over Flow Region of the System



高抗汽蚀诱导轮的设计开发
Design and Development of High Anti-Cavitation Inducer

适用的产品 Applicable products 全部产品 All Products

OH、VS 泵请咨询
Please consult core technology research department for OH、VS pump

客户需求 Voice of Customer

- 更稳定的系统运行特性 More stable system operation performance
- 更优异的 NPSHr 指标 Best NPSHr performance
- 更高的运行安全经济性 The higher economizing of safety in operation

解决方案 Technology

- 应用超空化理论，创造性的研发超级诱导轮，有效降低产品 NPSHr 值 Using supercavitation theory and creat R & D super inducer can effectively reduce NPSHr performance of pump
- 先进的汽蚀仿真模拟手段，精准的诱导轮汽蚀分析评价方法 Advanced cavitation simulation means and accurate cavitation analysis and evaluation method of inducer
- 完美平衡效率、汽蚀、脉动、噪声关键指标的关系，抑制介质汽相发展扩散 Perfect balance of the relationship among the key performance of efficiency, cavitation, pulsation and noise to restrain the development and diffusion of medium vapor phase

客户收益 Customer benefits

- 满足更低抽吸的可靠产品 Reliable products for lower suction
- 满足汽蚀特性需求的挑战性设计 Challenging design to meet the requirements of cavitation characteristics
- 降低储罐的液位，提高储罐的利用率 Reducing the liquid level of the storage tank and improve the utilization rate of the storage tank

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