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Air Force Technology Accelerator, AFWERX, Selects P3 Technologies Revolutionary Turbomachinery Technology for Award

AFWERX, the Air Force Technology Accelerator, has selected a revolutionary diffuser design from P3 Technologies for a Phase I SBIR award. The selected effort is in support of P3's new pump and compressor diffuser technology that improves any new or existing system's performance.

The new diffuser technology significantly increases efficiency and performance while reducing size and weight. It is applicable to all rotating machinery pump and compressor applications that utilize a centrifugal impeller. The performance improvements will reduce energy consumption costs by billions of dollars a year, with corresponding reductions in greenhouse emissions.

AFWERX is a catalyst for agile Air Force engagement across industry, academia and non-traditional contributors to create transformative opportunities and foster an Air Force culture of innovation. It was established in 2017 by the Secretary of the Air Force and reporting to the Vice Chief of Staff of the Air Force. More information can be found at afwerx.af.mil.