



**DIESEL &
GAS TURBINE
WORLDWIDE**
The Marine and Stationary Power Authority

GAS TURBINE COMPONENTS

Turbine Nozzle Trailing Edge Replacements

► **Frarendi, Inc.**, an innovator in combustion service hardware, recently introduced to the global power generation industry a new product (the Frarendi trailing edge nozzle replacement coupon) and an alternative process for cutting out, removing and replacing eroded sections of gas turbine first-stage nozzles. The three-step repair process which utilizes Frarendi's coupons (these parts are also known as wishbones, tips or replacement sections) is preferable to welding or purchasing new parts because it is faster, easier, more affordable and more durable.

While the company has been producing its exclusive FSX-414 alloy trailing edge nozzle replacement coupons in small batches since 1981, Frarendi executives were on hand at the December Power Gen trade show in Las Vegas to introduce the unique parts and repair process to international power generation professionals.

Prior to the show, Frarendi only served a niche group of original equipment manufacturers (OEM) and aftermarket repair, service and machine shops, primarily based in the United States.



Frarendi has introduced to the global power generation industry a new product and repair process that involves the replacement of gas turbine trailing edge nozzle coupons.

Since the company was purchased by Kevin Davis, a 32-year manufacturing industry veteran, earlier this year, Frarendi has been aggressively gearing up for increased production and global sales, service and distribution.

Davis has made significant investments in Frarendi's leadership, equipment and facility. The company recently relocated its headquarters from Maine to Indiana to deliver parts faster from a central location. Frarendi has also ramped up production capacity and built up an inventory of many standard turbine nozzle replacement trailing edge parts.

Additionally, Davis has assembled an elite team of metallurgy and manufacturing experts to ensure quality control.

“The global marketplace has an appetite for this kind of product and Frarendi is ready to meet the demand,” said Kevin Davis, president of Frarendi. “We have the infrastructure, expertise and inventory in place to offer a viable repair alternative to welding or total part replacement. Our products and repair process were very well received at the Power Gen show because repair shops want a faster, more affordable solution. We took several orders and developed a list of

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interested repair shops from across the globe.”

Frarendi’s unique replacement coupons are manufactured with the same precision EDM (electrical discharge machining) holes as the original parts. This increases the overall strength, usability and lifespan of the entire nozzle. Frarendi coupons are delivered ready for installation so repair shops do not need special equipment or machinery to perform replacements. Because Frarendi keeps most standard parts in stock, it offers a turnaround as fast as two weeks anywhere in the world.Ω