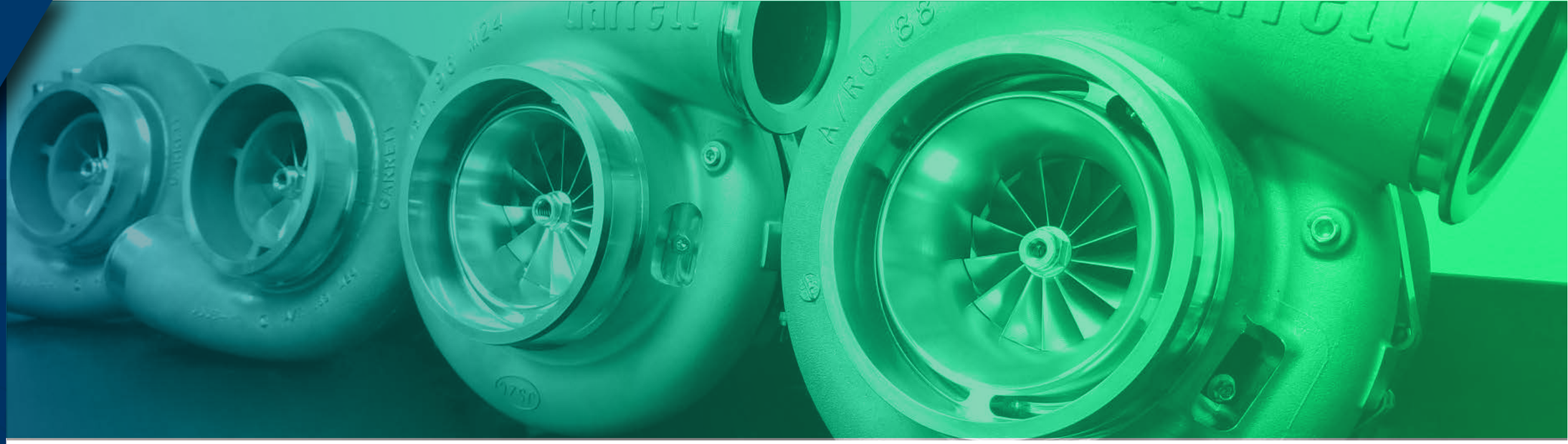

FUTURE IS IN OUR HANDS
Fardad
Kara Tavan Novin Fardad
NEW GENERATION OF TURBOCHARGER SYSTEM

INTRODUCTION



Kara Tavan Novin Fardad Company is a manufacturer of a new generation of turbocharger systems with the capability to increase efficiency while extending the operational life of the system. It has achieved a reduction in fuel consumption by up to 42%.

Product Description

This system is the new generation of **VGT (Variable Geometry Turbochargers)** turbochargers, which plays a decisive role in controlling combustion parameters and balancing the flow rates at the system's inlet and outlet.

APPLICATION



Key Advantages

This system can be installed and operated on all power and torque transmission engines. Some of its main advantages include:

1. **Very easy maintenance**
2. **Simple installation and assembly**
3. **Low overall cost** in exchange for the return on investment from fuel savings.

This system can be installed on engines using various fuel types. Its consumers include energy producers, local power plants, and engine manufacturers.

For diesel generator engines, this system significantly reduces fuel consumption, making fuel usage per kilowatt-hour of generated power more efficient. Additionally, for torque-generating engines such as heavy-duty vehicles and machinery, fuel reduction results in increased efficiency and extended operating time, which is a major advantage given current fuel limitations.

PARTNERSHIP



At present, the company is connected to and has contracts with large industrial holding companies.

This system, depending on engine adaptability, can be manufactured and assembled mechanically, electronically, or as a combination of both. All necessary engine parameters are intelligently controlled and identified, leading to longer component life and continuous operation.

In current turbochargers on the market, fluid imbalance often leads to system breakdowns after a certain period. However, this weakness has been completely eliminated in the proposed mechanism.

It can be confidently stated that this product represents the new generation of turbocharger systems, designed to maintain optimal engine performance. The new generation turbocharger system, or the Ic VGT turbocharger, is a product potentially ahead of its time, with a strong future ahead.

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