



NextGeneration**Hybrid**

MGU-P

MOTOR GENERATOR UNIT



ABOUT OGAB®

Ogab® is an R & D team specialising in the field of aerodynamics, thermodynamics and sustainable technology.

Based in Somerset in the South West of England, our mission is to improve performance and safety across the transport sector with the Automotive industry being a key focal point to this.



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NextGenerationHybrid MGU-P

INTRODUCING A NEW ERA FOR HYBRID TECHNOLOGY WITH OGAB®

Ogab® is proud to introduce our patented Next Generation Hybrid Technology, a state-of-the-art innovation to help vehicles go further by harnessing energy that would otherwise be lost.

IMPROVING HYBRID PERFORMANCE

As vehicles move away from fossil fuels, it is essential to find green technology that is kind to the planet, without compromising vehicle performance. Ogab® is committed to developing sustainable technologies and innovations that lead to a greener future for all.



With our patented Next Generation Hybrid Technology, we can help vehicles harness their full potential and maximise performance while reducing environmental impact.

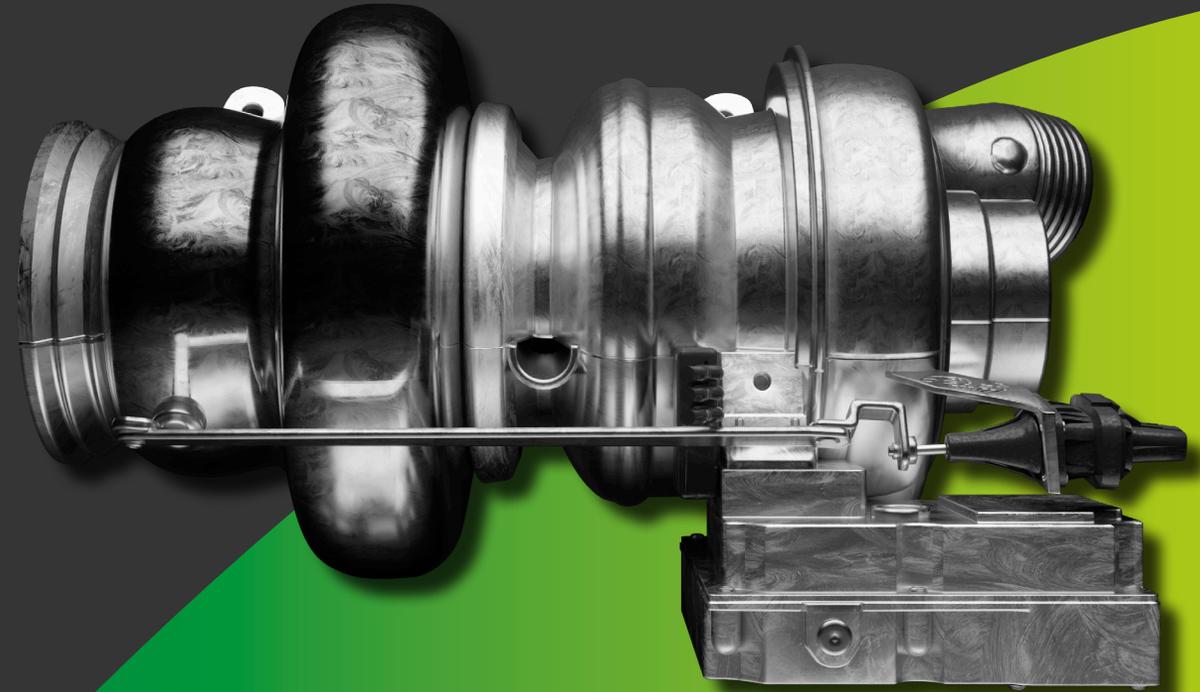


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HARNESSING ENERGY THAT WOULD OTHERWISE BE LOST

Ogab®'s Next Generation Hybrid Technology increases the efficiency of hybrid technology to offer maximum power potential and reduce wasted energy. Next Generation Hybrid Technology uses a patented system to capture and recover energy from the engine, using a state-of-the-art module within the turbocharger unit.

From our Motor Generator Unit (MGU-P), we are able to promote rapid charging, enabling a greater vehicle range while in electric mode.

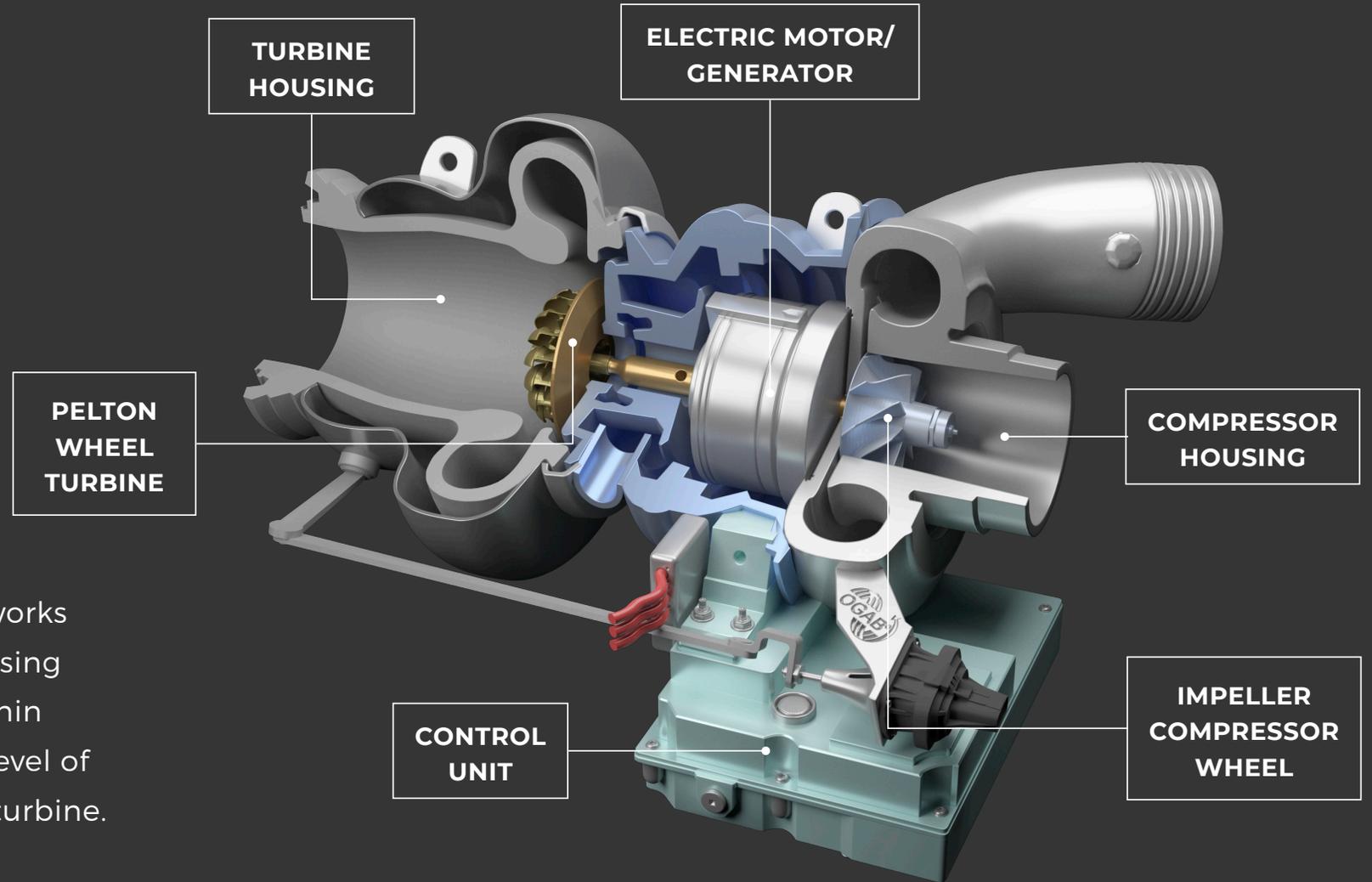


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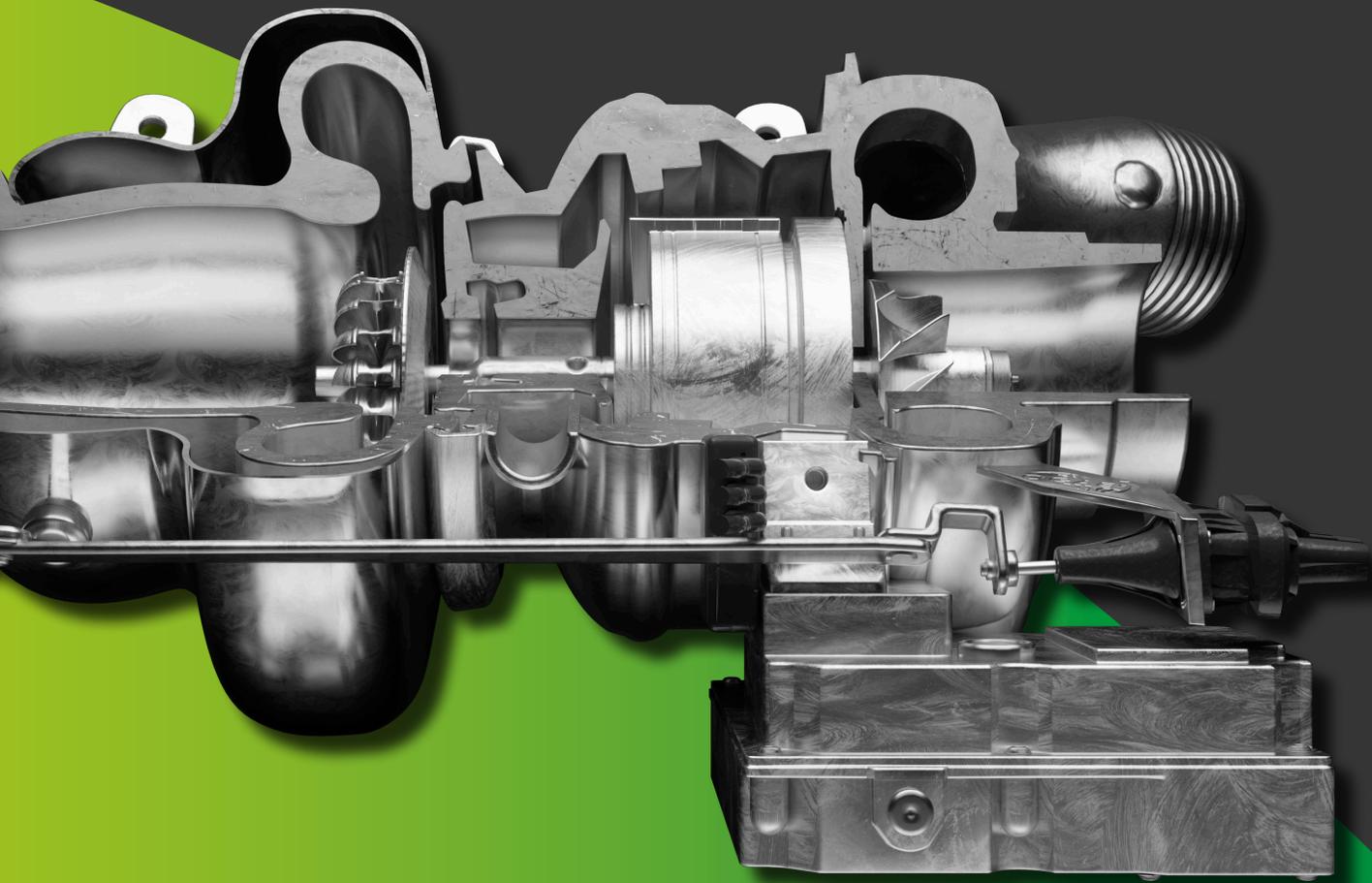
OGAB[®]'S NEXT GENERATION HYBRID TECHNOLOGY...

MGU-P

Our **Motor Generator Unit (MGU-P)** works to capture lost energy in the engine. Using an innovative pelton wheel design within the MGU-P, we can achieve a greater level of torque than a standard impeller type turbine.



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SUPERIOR TORQUE

This superior torque is utilised for energy production which can not only provide power to charge the vehicle's battery but also generates sufficient power to provide for other utilities with a power demand elsewhere in the vehicle.

Consequently, the energy potential ensures rapid battery charging, increasing the vehicle's range while the surplus energy can then be used to power technologies such as the air conditioning and other 'accessory components'.



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PATENTED PELTON WHEEL

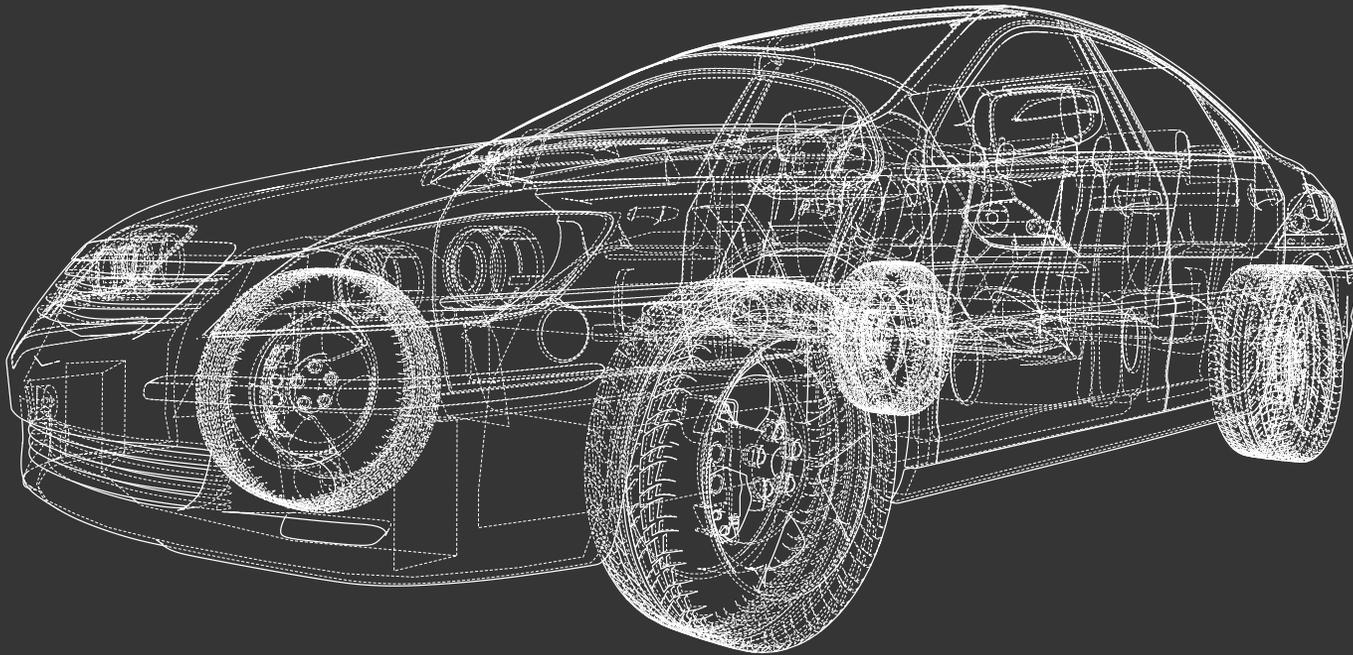
What makes Ogab®'s Next Generation Hybrid Technology so remarkable is the pelton wheel design. This unique design is why the innovation offers superior torque compared to a standard impeller type turbine.

The enhanced power offers significant vehicle capability, making a more attractive hybrid vehicle offering. The innovation can promote rapid vehicle charging and power other vehicle requirements to save energy and lessen the environmental impact.



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UNRIVALLED ENGINEERING



This unrivalled feat of engineering offers huge potential in the volume production vehicle market to make hybrid technology more appealing with advanced benefits of:

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- ✓ Improved sustainability by harnessing energy that would otherwise be lost
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- ✓ Rapid battery charging on-the-go
-
- ✓ Greater vehicle range in electric mode
-
- ✓ Surplus energy can power other vehicle functions once the battery is charged
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- ✓ Works seamlessly with our other sustainable technologies.



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TECHNOLOGY TO POWER THE FUTURE

Ogab®'s Next Generation Hybrid Technology offers innovation to power the future of motoring. With our sustainable technology, we can help vehicle manufacturers to minimise a vehicle's environmental impact while maintaining power and performance. With maximum efficiency and improved energy recovery, we can help take vehicles to the next level in the manufacturer's quest for a sustainable future while maintaining high-end vehicle performance.



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