

Reaction Engines Applied Technologies.

Taking you beyond the possible.

Reaction Engines Applied Technologies is developing ground-breaking thermal management technology to provide a step change in performance, efficiency and sustainability. Taking the innovative heat management technology developed under the SABRE programme, we are going beyond what is currently possible in the aerospace, energy, automotive and EV sectors.

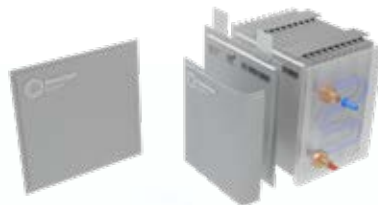
Heat management. A burning issue.

The world is constantly seeking more powerful processes and products. But when you turn up the power, you almost always turn up the heat. Reaction Engines Applied Technologies can help you manage this – and more importantly turn it to your advantage.

A game changing product family.

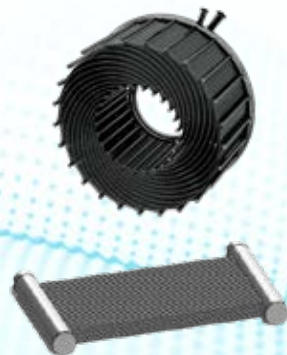
H^xLIFE™ Foils.

Isothermal battery thermal management system which eliminates hot spots, extends battery life and enables fast charge and discharge rates.



Microtube heat exchangers.

Adapting the microtube technology that was developed for SABRE, our world-class, ultra lightweight heat exchangers have the capability to quench temperatures from in excess of 1000°C to ambient in a fraction of second. Ideal for all applications where performance is key, our heat exchangers can be annular or straight rack and provide an extremely low pressure drop.



Rocket technology.

By adapting the innovative heat exchange systems designed for SABRE and applying them to a wide range of commercial industries, our team can help businesses to unlock their full potential. From improving performance in motorsport, converting waste energy into renewable electricity and supporting sustainable aviation.

Wide ranging benefits...

- High thermodynamic effectiveness
- Ultra-compact
- Lightweight
- Design flexibility
- Highly scalable
- Durability across temperature ranges
- Outperform 'traditional' cooling methods
- Sustainable and recyclable

...for a wide range of industries



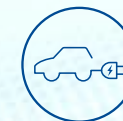
ENERGY



AUTOMOTIVE



AEROSPACE



ELECTRIC VEHICLES



APPLIED
TECHNOLOGIES

Find out more:

www.reactionengines.co.uk/technology | appliedtech@reactionengines.co.uk | [@reactionengines](https://twitter.com/reactionengines) | T: +44 (0)1865 520200