

SLXi HYBRID

— innovators think hybrid —

SINGLE- AND MULTI-TEMPERATURE HYBRID
REFRIGERATION SOLUTIONS FOR TRAILERS

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SLXi Hybrid: the challenges in today's transport world

Thermo King, undisputed leader in diesel-powered trailer refrigeration, recently teamed up with Frigoblock, supreme expert in electric-powered solutions. The result is the industry's first true hybrid trailer unit, offering all the benefits of both diesel and electric power.

Diesel and electric power each have their own advantages. By combining them as a hybrid, we can ensure that your operation is fully adaptable to current and future environmental requirements.

Key challenges that face today's refrigerated trailer fleet operators include:

- » Reducing their environmental footprint to comply with ever more stringent requirements from ordering parties
- » Ensuring the distribution of fresh products in densely populated urban areas where access is limited to low-noise, low-emissions vehicles
- » Retaining the flexibility needed to operate either distribution or long haul as required
- » Making these changes without impacting operating cost.

SLXi Hybrid provides the lowest total cost of ownership and the smallest environmental footprint for both distribution and long haul applications.

You adapt. You win. Always.

High performance, low environmental impact. That's what I need and that's exactly what I'm getting.

Innovators think Hybrid.

I care
**about the
environmental
impact.**



Geoff Stone, happy customer

SLXi Hybrid: the right choice for today and for tomorrow

Full access to restricted zones

» More and more cities are restricting or banning vehicles due to noise or diesel emissions. SLXi Hybrid ensures current and future access to every delivery location.



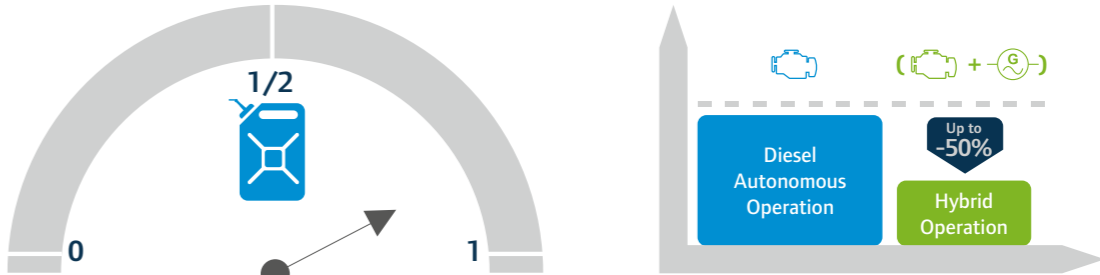
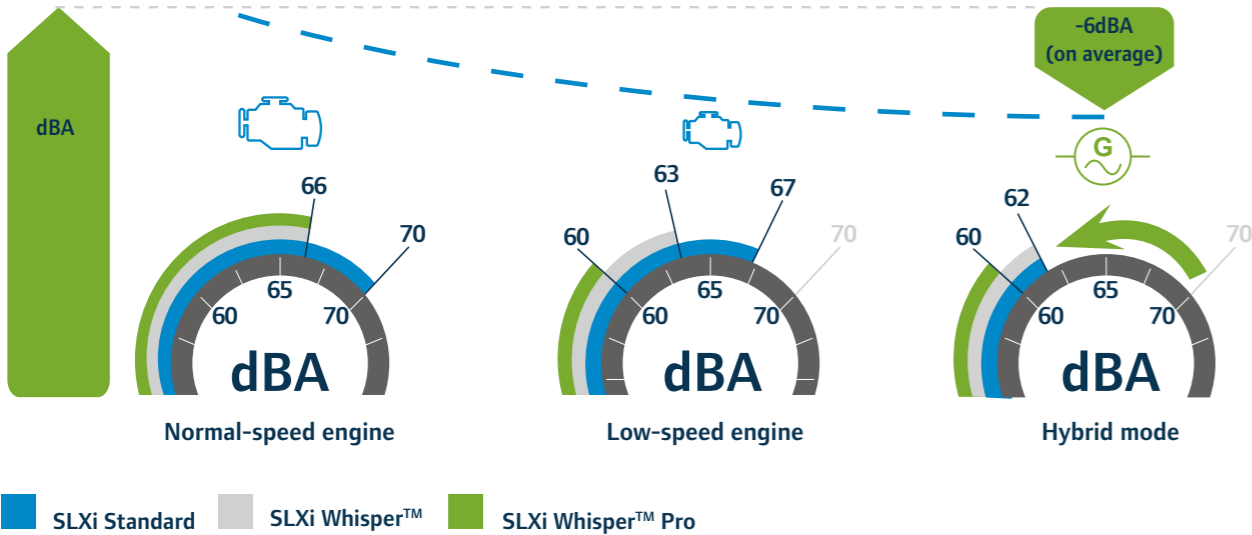
Low emissions, low noise level

» Our hybrid solution means you can leverage the economy and low emissions of the most advanced tractor engines without compromising performance.
 » Emissions can be cut by over 90% while noise can be reduced to minimal PIEK levels for urban access and driver comfort.

Fuel efficiency and operational savings

» A full return on investment can be obtained within a relatively short time period.
 » Operation in hybrid mode can deliver substantial fuel savings compared with diesel operation.
 » Savings of up to 5,000 litres of fuel per year and emissions reductions of 13,500kg of CO₂ are achievable for each vehicle operating in hybrid mode.
 » Lower engine operating hours mean less frequent maintenance, further cost savings and extended equipment life.

Sound Pressure (dBA)



I choose suppliers who are future-focused and demonstrate environmental ethos in their choice of equipment.
Innovators think Hybrid.

I care
about the future.



Jane Stevenson, CEO

It's hard to believe a refrigerated trailer just went past. It's so quiet I hardly noticed.
Innovators think Hybrid.

I care
about silence.



Amir O'Sullivan, cyclist

SLXi Hybrid: the right choice for today and for tomorrow

System intelligence for ease of operation, compliance and productivity gains

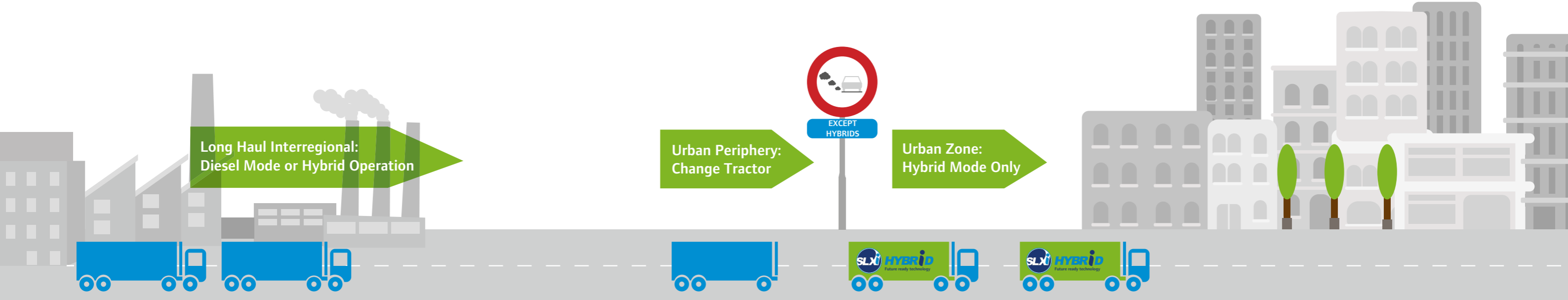
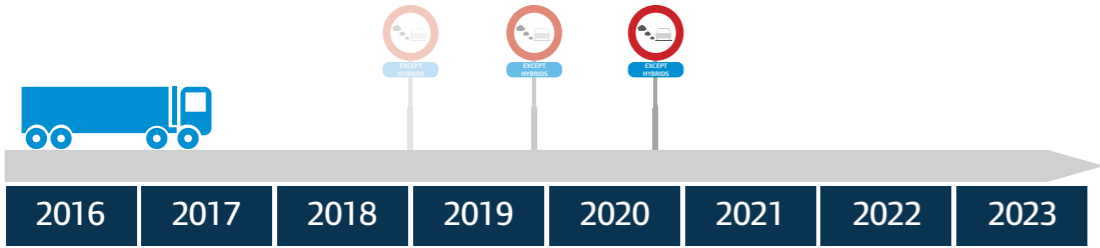
- » Thermo King BlueBox gives the SLXi Hybrid advanced connectivity and extended communication capability for optimised fleet management and productivity.
- » Compliance with PIEK or Low Emissions Zone restrictions can be ensured without driver intervention.
- » The system automatically selects the best operating mode for the current circumstances. When the vehicle comes to a halt, the unit's controller monitors temperature requirements and vehicle location to either remain in electric mode inside a diesel-ban area or shift to diesel mode if additional cooling is needed.

Retrofittable so no need to wait for new equipment purchases

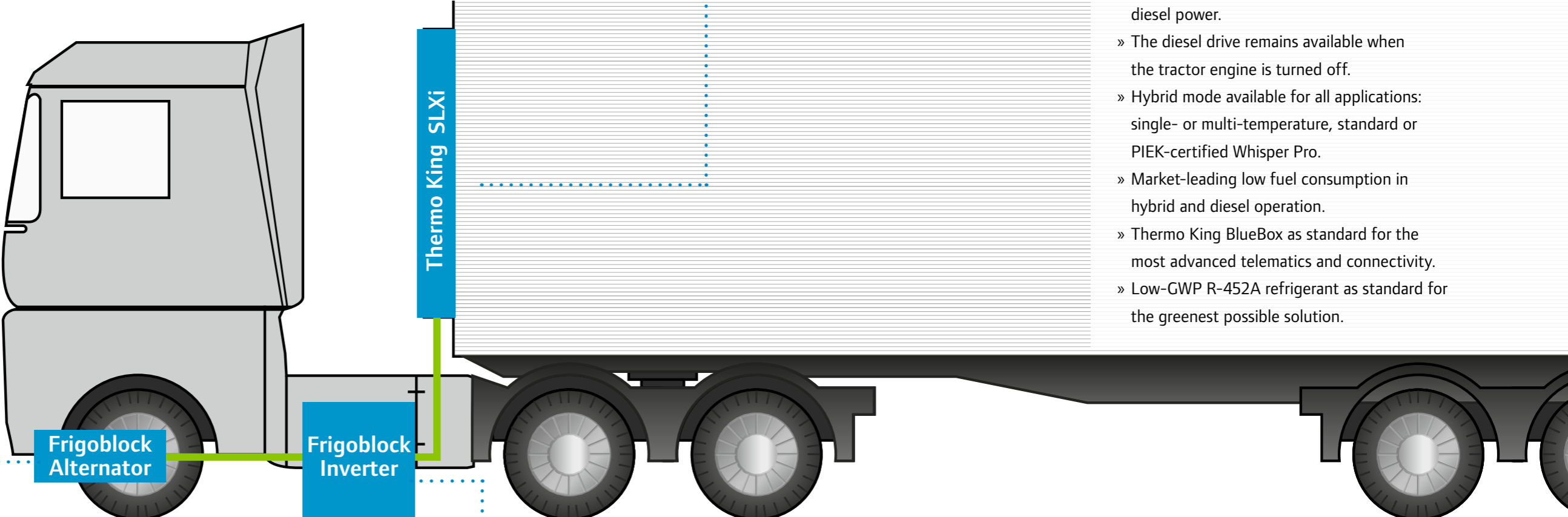
- » The SLXi Hybrid gives you the opportunity to optimise your existing fleet and minimise your environmental footprint.
- » Your Thermo King Dealer can advise on the best retrofit solution for your specific needs.
- » Your asset values can be maintained while securing short-term investments.
- » You retain total flexibility in choosing alternative fuels such as LNG, CNG and biofuel.

Full support from the most extensive Dealer service network in the industry

- » The Thermo King Dealer network employs 1400 certified technicians and is fully equipped to maintain advanced hybrid systems.
- » With over 500 authorised service points open 24/7 in 75 countries, you will never be far away from expert support.



Thermo King and Frigoblock combine proven technologies



Frigoblock alternator converts power from tractor engine into electricity

- » Frigoblock is the leading producer of alternator drive systems with 40 years' experience.
- » Leading truck manufacturers already take into account the technical requirements for the installation of Frigoblock alternators during the development of new trucks.
- » Oversized power output delivers full refrigeration capacity even during engine idling.
- » Large copper coil and core for maximum efficiency.
- » Water-cooled system enables compact design, low weight and extended life.

Thermo King SLXi diesel-electric refrigeration unit

- » Unit can run on full electric or autonomous diesel power.
- » The diesel drive remains available when the tractor engine is turned off.
- » Hybrid mode available for all applications: single- or multi-temperature, standard or PIEK-certified Whisper Pro.
- » Market-leading low fuel consumption in hybrid and diesel operation.
- » Thermo King BlueBox as standard for the most advanced telematics and connectivity.
- » Low-GWP R-452A refrigerant as standard for the greenest possible solution.

Frigoblock inverter transforms electricity from alternator to power SLXi refrigeration unit

- » Delivers constant voltage and frequency to the unit regardless of vehicle engine speed.
- » Guarantees rapid start-up of the unit with low mechanical stress.
- » Provides optimum load temperature control with minimum power consumption.

"Sustainability is what differentiates our business. These hybrid solutions represent a major step forward in reducing our footprint without compromising quality."

John Peterson, CEO retail company

"High performance, low environmental impact. That's what I need and that's exactly what I'm getting."

Geoff Stone, happy customer

"I choose suppliers who are future-focused and demonstrate environmental ethos in their choice of equipment."

Jane Stevenson, CEO

"Hybrid technology is low-emission, low-noise, which means I can deliver in restricted zones whenever I need to - no worries."

Frank Todd, driver

"It's hard to believe a refrigerated trailer just went past. It's so quiet I hardly noticed."

Amir O'Sullivan, cyclist

"To stay healthy, we need clean air. These Low Emission Zones mean I can enjoy walking through the city again, even alongside HGVs."

Joanne Watson, pedestrian





THERMO KING

Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938.

For further information, please contact:

europe.thermoking.com

Find your nearest dealer on

dealers.thermoking.com

TRANE
TECHNOLOGIES