



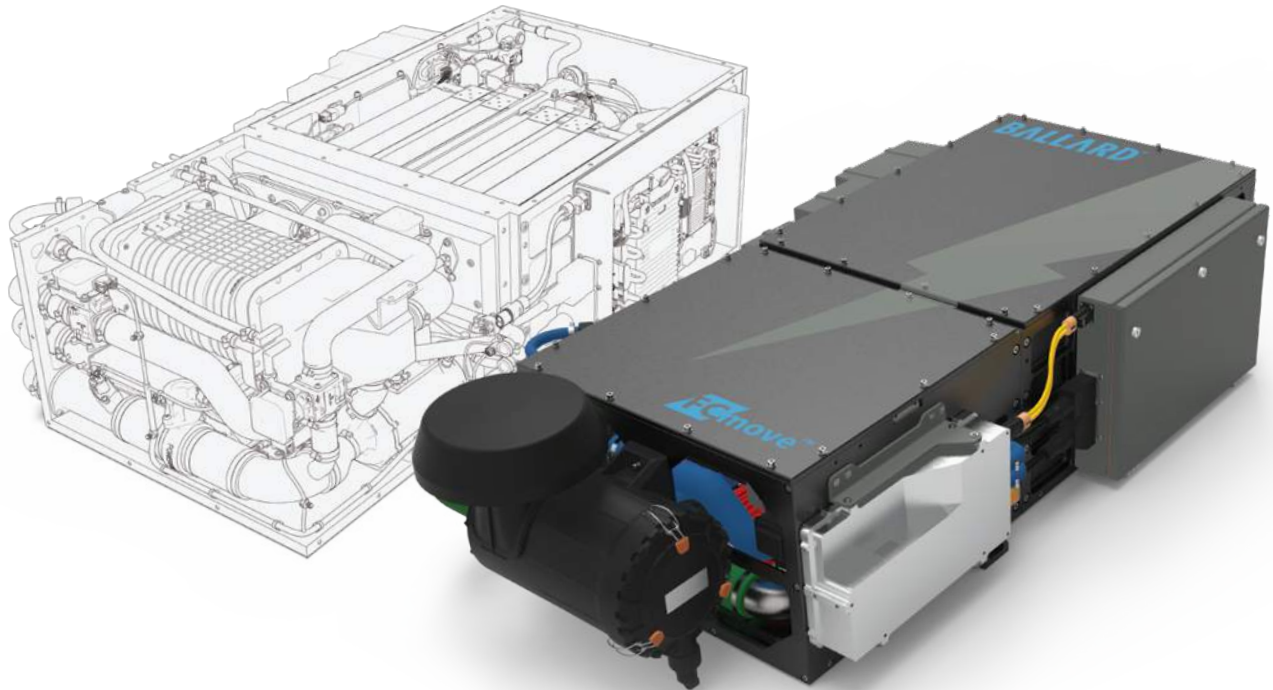
BALLARD®

The future of
heavy duty
zero-emission
mobility has arrived

Introducing **FCmove™**

FCmove™ is the culmination of more than 8 generations of product development and learnings from 14 million kilometres of road experience in a wide variety of challenging applications and climates.

This family of products is purpose-built to power heavy duty electric vehicles including buses, trucks and trains.





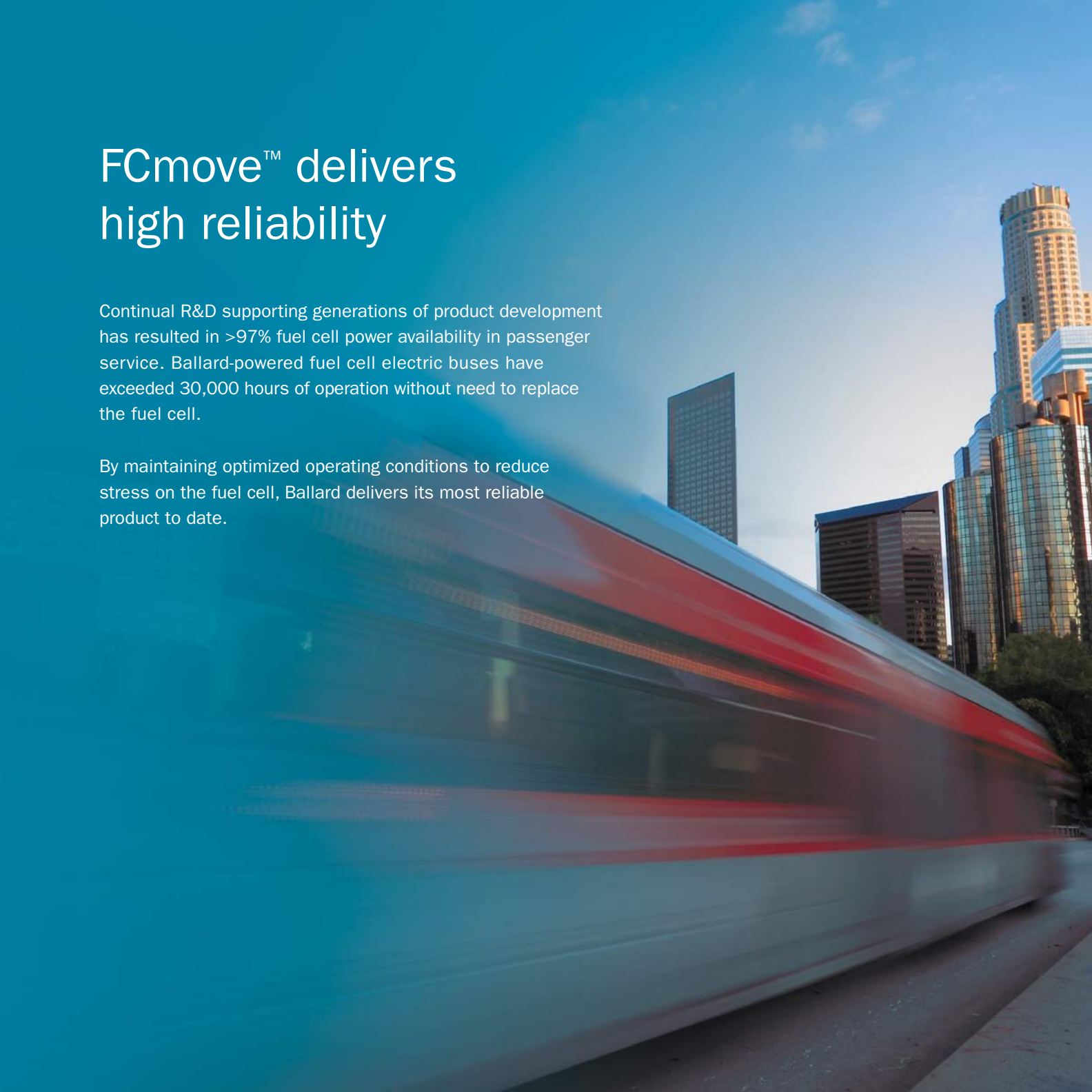
The smartest solution to achieve zero-emission mobility

Choose the right fuel cell product to ensure your journey toward zero-emission is a success. The performance and reduced total lifecycle cost of FCmove™ deliver an attractive economic value proposition to the vehicle operator.

FCmove™ delivers high reliability

Continual R&D supporting generations of product development has resulted in >97% fuel cell power availability in passenger service. Ballard-powered fuel cell electric buses have exceeded 30,000 hours of operation without need to replace the fuel cell.

By maintaining optimized operating conditions to reduce stress on the fuel cell, Ballard delivers its most reliable product to date.



Simpler to integrate

The smaller, more powerful power module enables greater flexibility in commercial vehicle design. Reducing the volume by 40% and weight by 35% has produced a low-profile power module that is ready to install in tight spaces like the roof or engine bay of a vehicle.

This complete package, with all subsystems fully integrated in one enclosure, has interfaces located on one panel to provide easier access for connections as well as maintenance.

VOLUME REDUCED
40%

WEIGHT REDUCED
35%

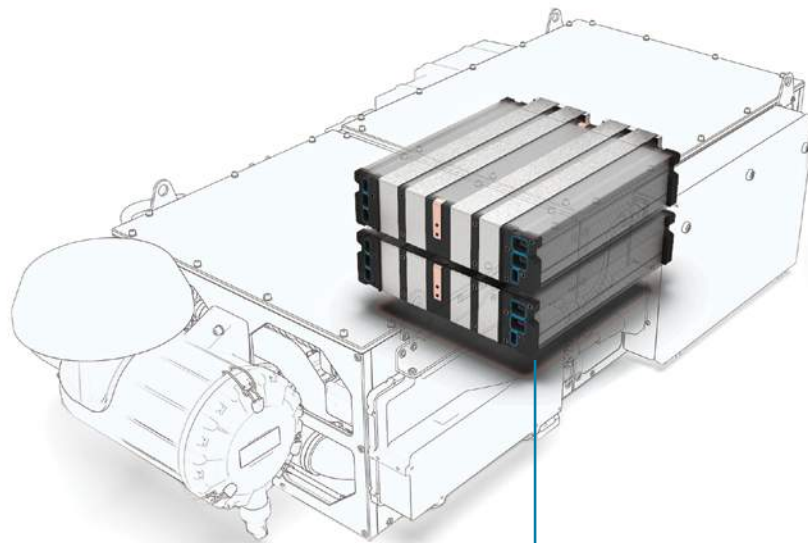


FCmove™ is more robust

FCmove™ has been designed with a new generation of more robust balance of plant components to improve reliability.

Now, FCmove™ is tolerant to a wider range of operating conditions, including freeze start from -25°C without external energy. There's no need to plug in the vehicle or use special start procedures.

The power module enclosure is rated IP67, so the vehicle can travel on a flooded road, even if the module is mounted in the engine bay or undercarriage.



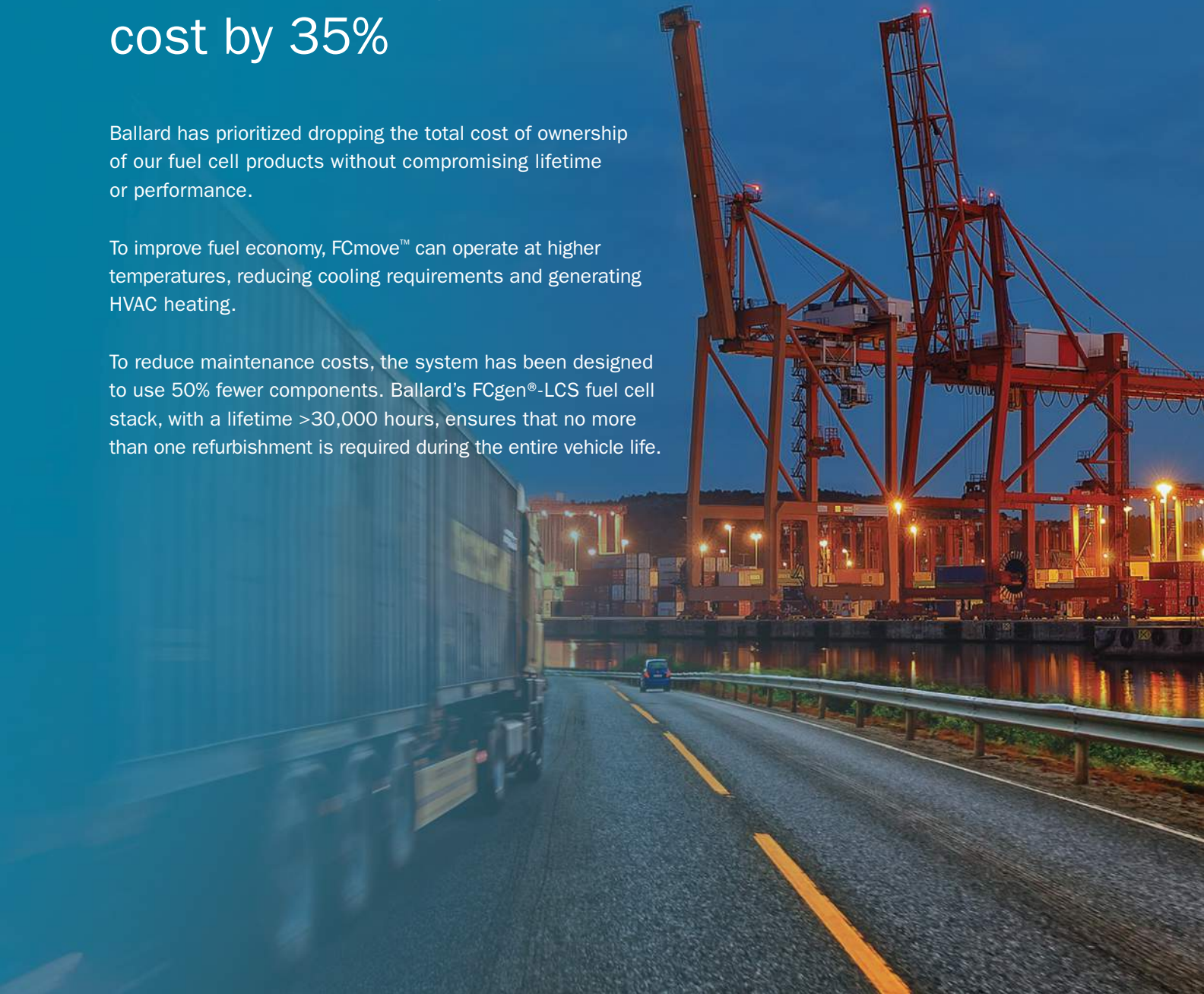
FCgen® -LCS fuel cell stacks

Reduces life cycle cost by 35%

Ballard has prioritized dropping the total cost of ownership of our fuel cell products without compromising lifetime or performance.

To improve fuel economy, FCmove™ can operate at higher temperatures, reducing cooling requirements and generating HVAC heating.

To reduce maintenance costs, the system has been designed to use 50% fewer components. Ballard's FCgen®-LCS fuel cell stack, with a lifetime >30,000 hours, ensures that no more than one refurbishment is required during the entire vehicle life.





Ballard is a world leader in fuel cell products for hydrogen mobility and FCmove™ is the right choice for your zero-emission fleet.



**We deliver fuel cell power
for a sustainable planet**

When it comes to product lifecycle management, Ballard is at the leading edge of innovation in applying the three “Rs” to its fuel cell stacks. Our expertise in refurbishing, reusing, and reclaiming fuel cell components means our solution is both zero-emission and zero-waste.

BALLARD®

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