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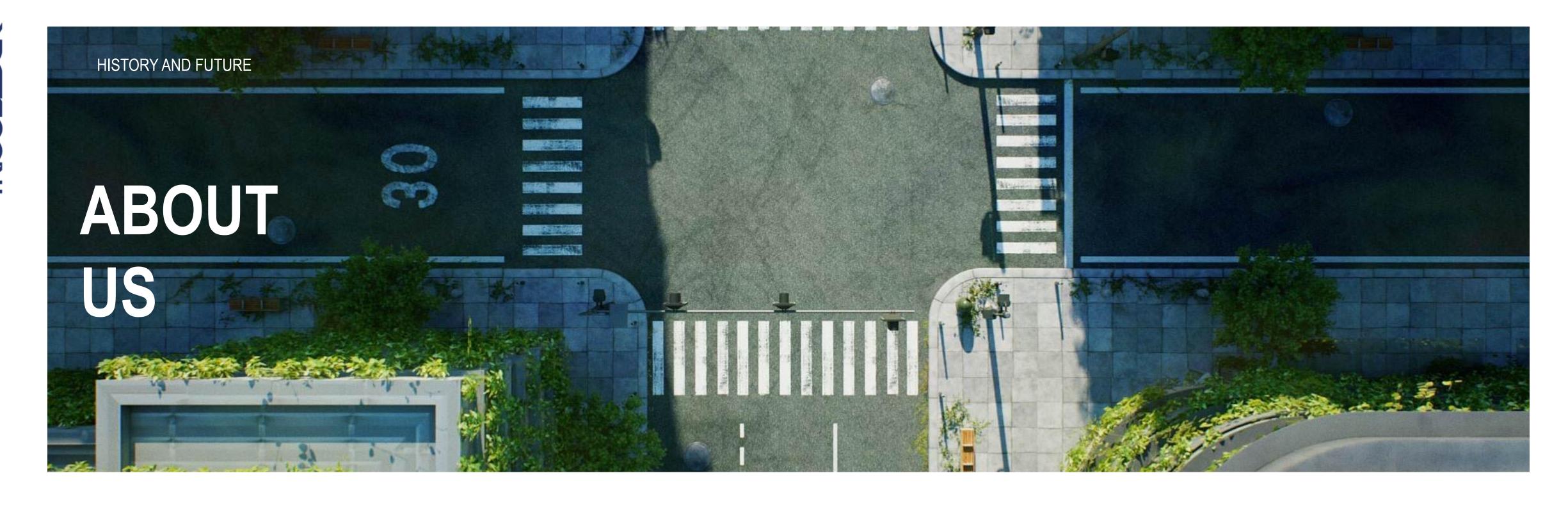
- OVER 40 YEARS OF FULL ELECTRICAL EXPERIENCE
- HIGHEST COOLING CAPACITY PROTECTS YOUR GOODS ANYTIME, ANYWHERE
- FRIGOBLOCK PORTFOLIO INCLUDES TEMPERATURE
   CONTROL SYSTEMS FOR A MULTITUDE OF APPLICATIONS

#### HIGHLY EFFICIENT

- SMART INVERTER CONTROL AND ENERGY MANAGEMENT
- DO MORE WITH LESS: HIGH PERFORMANCE WITH LOW FUEL CONSUMPTION
- LOWEST DRIVING RANGE IMPACT FOR ELECTRIC VEHICLE
  APPLICATIONS

#### CLEAN.

- ENVIRONMENTALLY FRIENDLY
- OUR ELECTRIC SOLUTIONS PREPARE YOU FOR CURRENT
   AND FUTURE REGULATIONS
- READY TO ENTER ZERO EMISSION ZONES



# FRIGOBLOCK IS THE PIONEER IN ELECTRIC TRANSPORT REFRIGERATION AND HAS SET THE STANDARD FOR MORE THAN 40 YEARS



**ABOUT US - HISTORY** 

#### **NUMEROUS INNOVATIONS** AND DEVELOPMENTS.

#### 1978

FRIGOBLOCK GMBH WAS FOUNDED & DEVELOPED INTO A LEADING MANUFACTURER OF FULL ELECTRIC TRANSPORT REFRIGERATION UNITS IN GERMANY

#### 1984

FRIGOBLOCK FIRST MANUFACTURER OF MULTI TEMP SOLUTIONS

#### 2013

LAUNCH OF NEW INVERTER TECHNOLOGY

#### 2014

FIRST BATTERY ELECTRICAL TRUCK

#### 2015

FRIGOBLOCK BECAME PART OF TRANE TECHNOLOGIES

#### 2018

LAUNCH OF ENVIRODRIVE TECHNOLOGY TO POWER HYBRID DIESEL UNITS

#### 2022

LAUNCH OF NEW ELECTRIFIED PRODUCT RANGE





#### **FRIGOBLOCK** TODAY\_

Today, FRIGOBLOCK – as portfolio brand of Thermo King - is the leading European supplier of full electric transport refrigeration units.

Today, there are over 40,000 FRIGOBLOCK full electric transport refrigeration units on the road providing faultless service to customers throughout Europe.

**Today**, these units are serviced and maintained by a network of over 500 professional partners providing service to FRIGOBLOCK customers and ensuring a matchless level of availability to end users.

FRIGOBLOCK – A SYNONYM FOR FOCUS ON CUSTOMERS, PERFORMANCE, RELIABILITY, ECONOMY AND ENVIRONMENTAL RESPONSIBILITY.





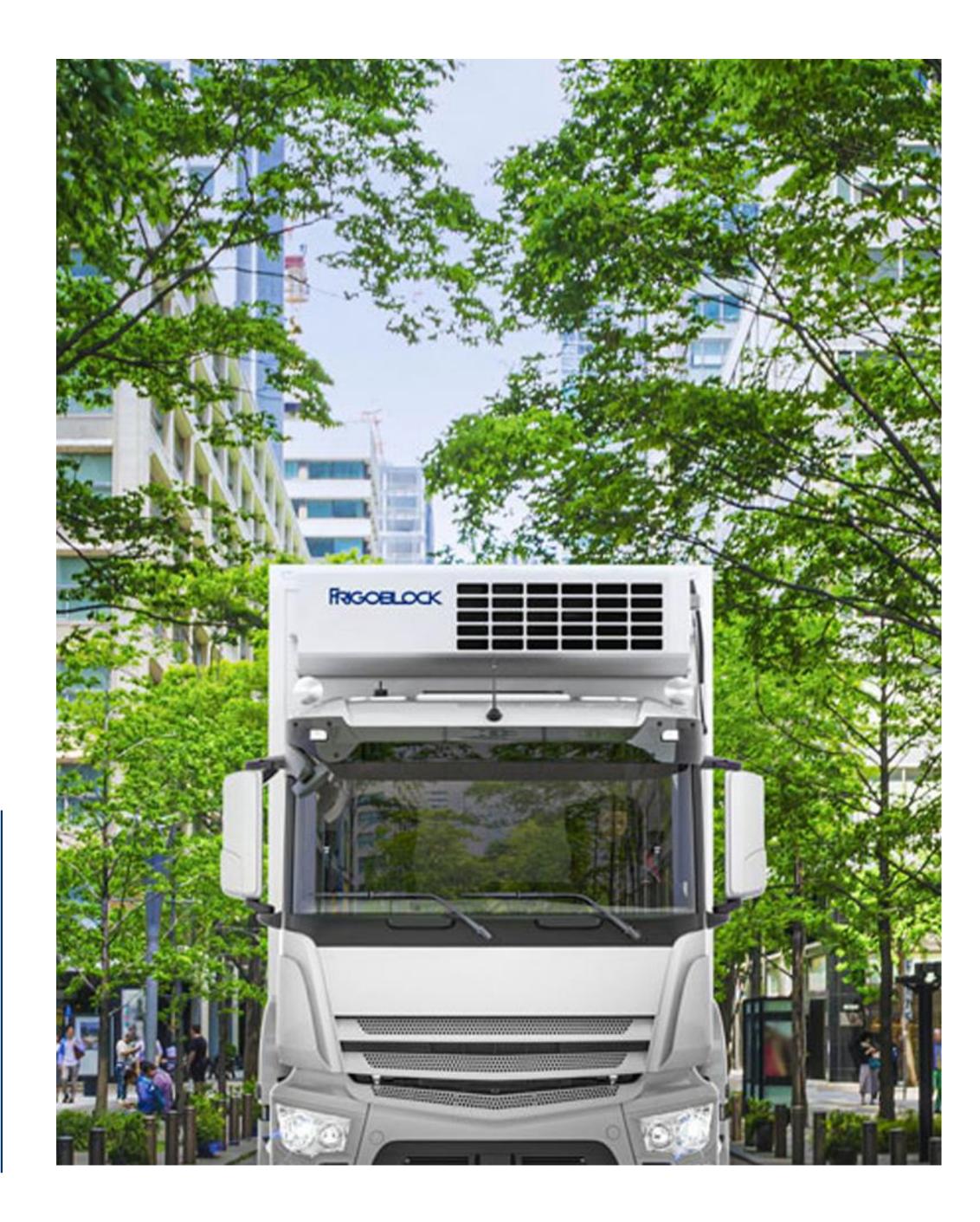
#### FK SERIES\_

- FRONT WALL MOUNTED UNIT, IDEAL FOR RIGID TRUCK APPLICATIONS
- INTEGRATED EVAPORATOR INCREASES LOADING HEIGHT
- MEETS HIGH DEMANDS OF MULTI DROP DISTRIBUTION
- AVAILABLE IN SINGLE AND MULTI TEMPERATURE
- TELEMATICS OPTIONAL
- ALSO AVAILABLE AS FKi SERIES, WITH INTEGRATED INVERTER

**DISCOVER THE FK SERIES** 



- HIGH EFFICIENCY
- HIGHEST COOLING CAPACITY
- UP TO 50% LESS FUEL CONSUMPTION
- INTEGRATED EVAPORATOR, NOT INTERFERING THE CARGO SPACE
- HYDRAULIC TILTING MECHANISM SAVES UP TO 300 MM TOTAL HEIGHT
- MULTIPLE COMPARTMENT COMBINATIONS POSSIBLE



#### FKi SERIES\_

- FRONT WALL MOUNTED UNIT, IDEAL FOR RIGID TRUCK APPLICATIONS
- INTEGRATED INVERTER TECHNOLOGY
- MULTI TEMPERATURE UNIT FOR LONGITUDINAL COMPARTMENTS
- 2 INTEGRATED EVAPORATORS
- INDEPENDENT SPEED CONTROL (FAN MOTORS AND COMPRESSOR)
- SILENT OPERATION Piek
- TELEMATICS OPTIONAL
- OPTIONAL ADDITIONAL REMOTE EVAPORATORS
- DESIGNED FOR DIRECT CONNECTION TO BATTERY ELECTRIC VEHICLES

**DISCOVER THE FK SERIES** 



#### EK SERIES\_

- UNDERMOUNT SPLIT REFRIGERATION TRANSPORT SOLUTION
- COMBINATION OF EK CONDENSER AND A RE SERIES EVAPORATOR FOR SINGLE AND MULTI TEMPERATURE APPLICATIONS
- IDEAL FOR LOW-HEIGHT TRUCK BODIES OR THROUGH-LOADING TRAILERS
- MOST COMPACT UNDERMOUNT SOLUTION
- LIGHTWEIGHT
- TELEMATICS OPTIONAL

#### DK SERIES\_

- ROOF MOUNTED SINGLE TEMPERATURE HOST UNIT
- ALTERNATIVE SPECIAL SOLUTION FOR RESTRICTED TRUCK SPACE
- BENEFIT OF ALL SPECIFICATIONS AS IN THE EK SERIES

**DISCOVER THE EK/DK SERIES** 





- HIGH EFFICIENCY
- HIGHEST COOLING CAPACITY
- UP TO 50% LESS FUEL CONSUMPTION
- LIGHT WEIGHT AND COMPACT DESIGN
- ULTRA-SLIM EVAPORATORS ALLOW YOU TO MAXIMISE CARGO SPACE
- MULTIPLE COMPARTMENT COMBINATIONS POSSIBLE ON EK SERIES



#### HK SERIES\_

- FRONT WALL MOUNTED REFRIGERATION UNIT
- FOR DRAWBAR COMBINATIONS AND SEMI-TRAILERS
- UP TO 50% WEIGHT REDUCTION COMPARED TO CONVENTIONAL UNITS
- EASE OF INSTALLATION AND MAINTENANCE
- HINGE OPENING FOR FULL ACCESSIBILITY, EVEN WHEN THE TRAILER
   IS FULLY LOADED
- TELEMATICS OPTIONAL

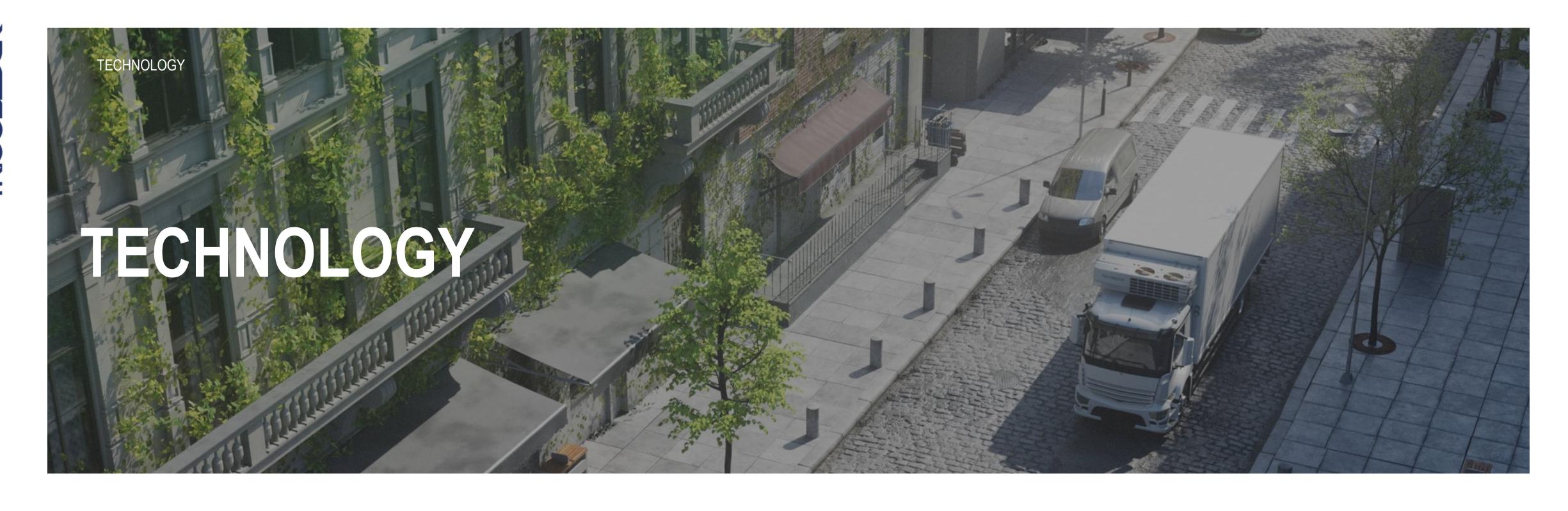
**DISCOVER THE HK SERIES** 



- HIGH EFFICIENCY
- HIGHEST ELECTRIC COOLING CAPACITY
- UP TO 50% LESS FUEL CONSUMPTION
- LIGHT WEIGHT AND COMPACT DESIGN
- MULTIPLE COMPARTMENT COMBINATIONS POSSIBLE WITH REMOTE EVAPORATORS



- COMPACT DESIGN ALLOWS FOR OPTIMUM LOAD SPACE
- USE IN SPLIT COMBINATION WITH EK AND DK SERIES
- USE IN ADDITIONAL ZONES IN MULTI-COMPARTMENT FK AND HK SERIES
- WIDE RANGE, INCLUDING DIFFERENT DIMENSIONS
- HIGH AIRFLOW WITH SINGLE AND DUAL OUTPUT

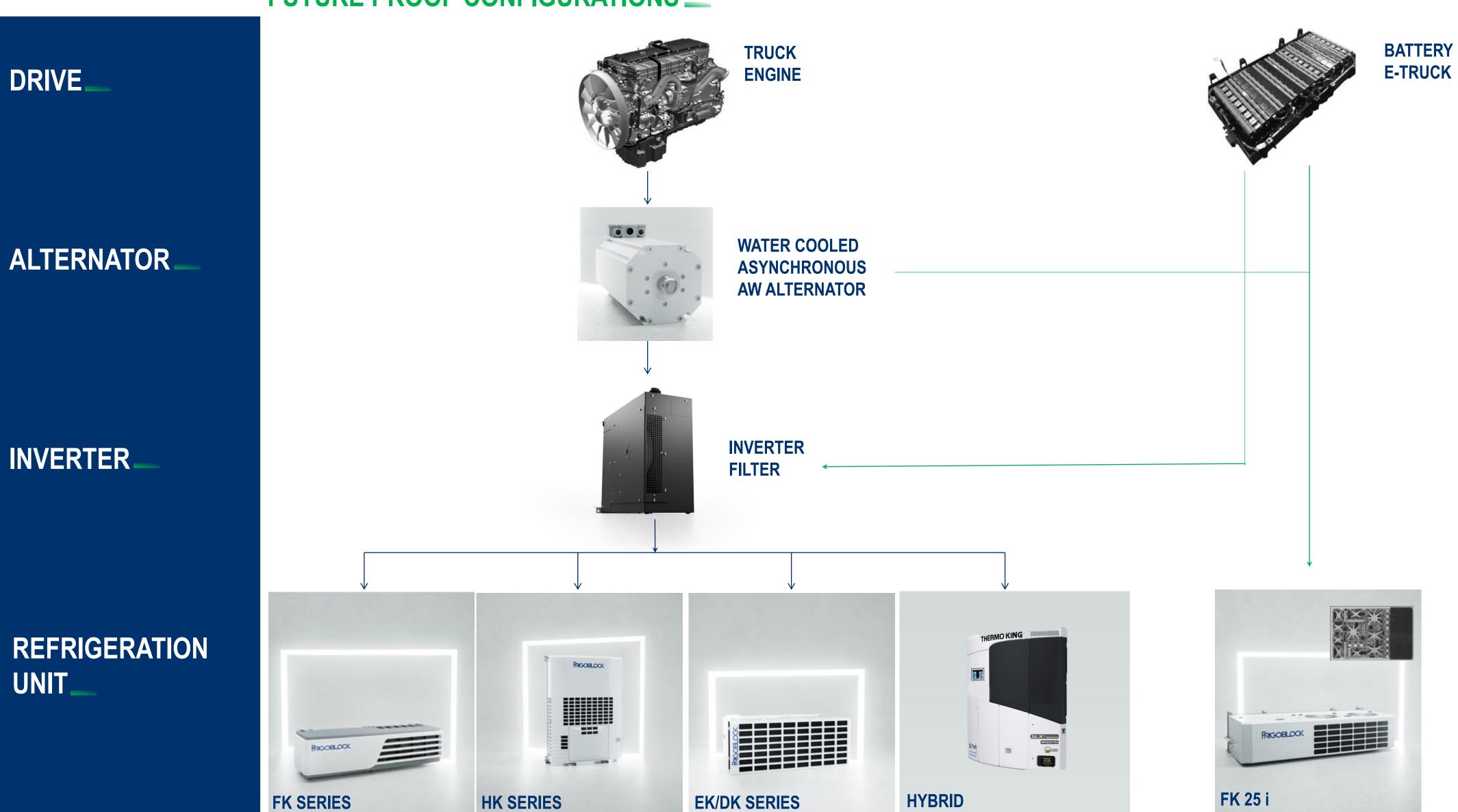


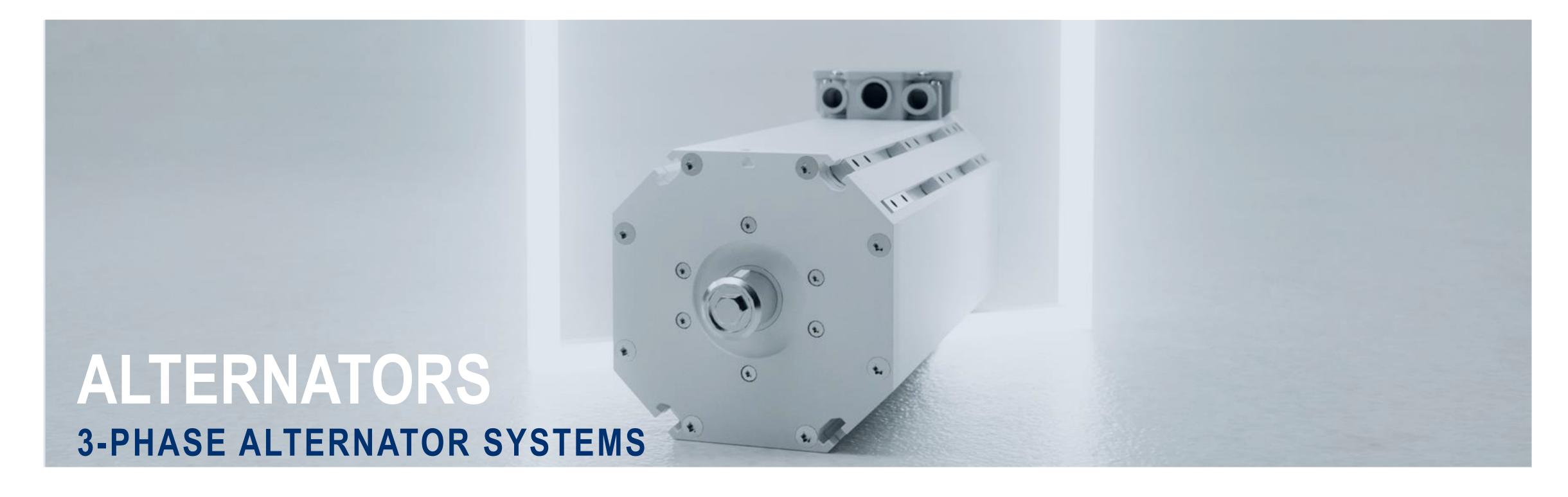
CLEAN AND EFFICIENT ELECTRIC SOLUTIONS COMBINED WITH THE POWER OF FRIGOBLOCK ALTERNATOR AND INVERTER TECHNOLOGY MAKES FRIGOBLOCK'S COOLING SYSTEMS SO COST-EFFICIENT

DRIVE

UNIT.

#### FUTURE PROOF CONFIGURATIONS \_\_\_





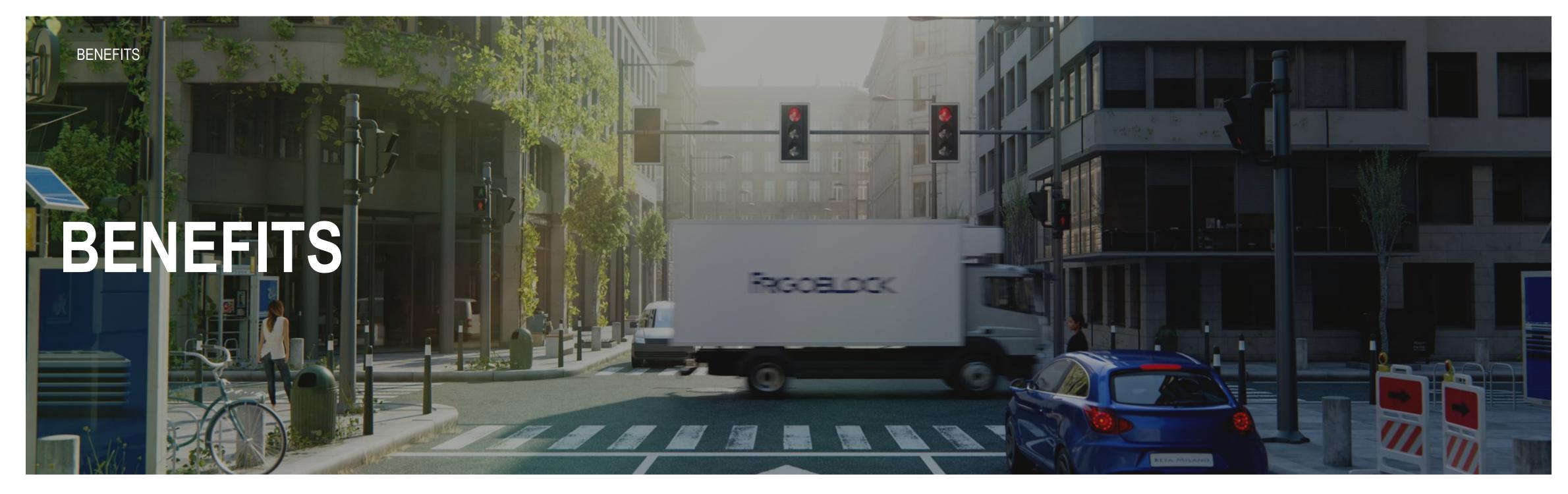
- SINCE 1978, FRIGOBLOCK IS THE LEADING PRODUCER OF ALTERNATOR DRIVE SYSTEMS APPROVED BY LEADING TRUCK
   MANUFACTURERS FOR DIESEL AND GAS COMBUSTION ENGINES
- COMPACT DESIGN AND LIGHT WEIGHT
- SMOOTH BELTDRIVE THANKS TO SOFT START
- LOW MAINTENANCE
- MOST EFFICIENT TECHNOLOGY TO TRANSFER TRUCK MECHANICAL ENERGY TO ELECTRICAL ENERGY

#### INVERTER FILTER

### UNIQUE INVERTER FILTER TECHNOLOGY FOR TRANSPORT REFRIGERATION



- INVERTER TECHNOLOGY WITH MULTIPLE OUTPUTS
- INCREASED COOLING CAPACITY
- HIGH FLEXIBILITY OFFERING BROAD FREQUENCY RANGE
- POSSIBLE TO SIMUSTANEOUSLY POWER TRUCK AND TRAILER UNIT
- SOFT START OF THE REEFER UNIT FOR INCREASED UNIT LIFE CYCLE
- DIFFERENT OPERATING PROFILES TO MAXIMISE COOLING EFFICIENCY
- OPTIMISED POWER CONTROL REGARDLESS OF VEHICLE ENGINE SPEED
- SUITABLE POWER SOURCE FOR HYBRID SOLUTIONS



#### SAFE TRANSPORT, SAVE COST AND STRONG PERFORMANCE

WHAT MAKES FRIGOBLOCK'S COOLING TECHNOLOGY SO BENEFICIAL?

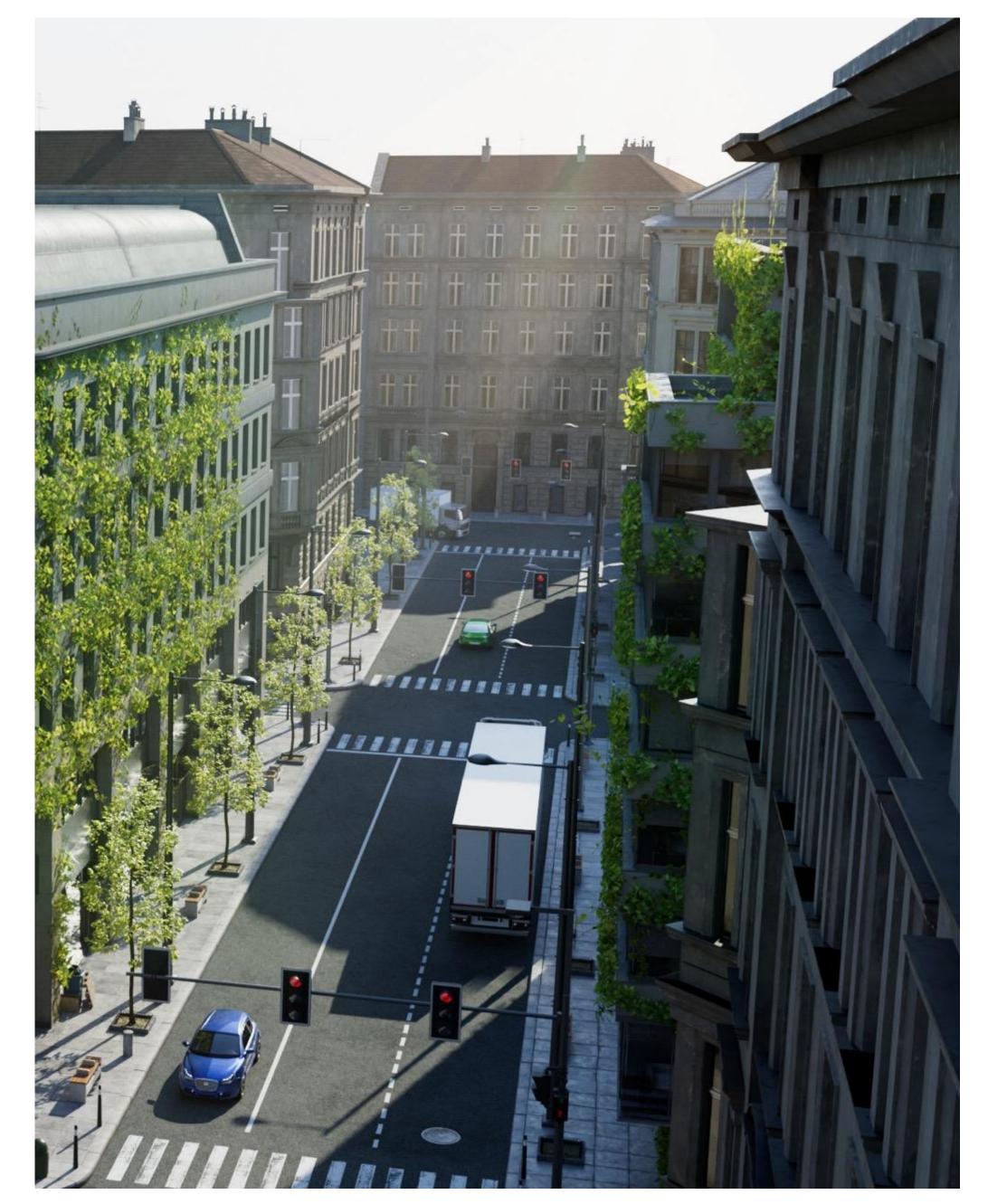
IT'S THE UNIQUE MIX OF SMART DESIGN CHOICES, CLEAN & EFFICIENT ELECTRIC SOLUTIONS PLUS THE POWER OF FRIGOBLOCK INVERTER TECHNOLOGY.

#### IT'S SMALL CHANGES, WITH BIG RESULTS.



# FUTURE WAY OF TRANSPORT INNOVATION THAT'S YEARS AHEAD OF THE CURVE\_

- Our commitment to future-proofing our range and supporting technology to reduce emissions ensures that FRIGOBLOCK units are fully mountable on battery electrical and fuel cell trucks.
- A direct connection to the same battery that powers the electrical truck ensures that no additional components are required and installation is simple and cost effective.
- Better still, this configuration offers the same cooling capacity as alternator or diesel-powered solutions.
- FRIGOBLOCK is the leading manufacturer and has been working with all major vehicle OEMs, established upfitters and start-up companies since 2014.



# ORWARD THINKING

## FRIGOBLOCK CONNECTIVITY

- Connected Solutions is a technology by Thermo King designed to deliver information that matters to you.
- Putting this data to work gives you the ability to track and trace individual deliveries across your fleet.
- You'll be able to demonstrate temperature levels, meet regulatory requirements and respond instantly to new challenges.



