



Delivering
uncompromised cargo

The world of perishables

Air-freighted perishables typically consist of:



Fruits and
vegetables



Fish and
seafood



Flowers,
seeds and plants



Meats



Dairy products



Wines



Frozen foods

The perishables industry is important because:



By 2050, there will be 9 billion people on earth and demand for fresh food will be 60% more than it is today.

Natasha Solano, Global Business Development Manager fo Perishables Logistics at  KUEHNE+NAGEL



Consumers are recognising the benefits of fresh produce as well as the benefits of natural ingredients sourced from various parts of the world.



Supermarkets are buying directly from producers to save on middleman cost and to avoid less than perfect produce.

A snapshot of the global business of perishables

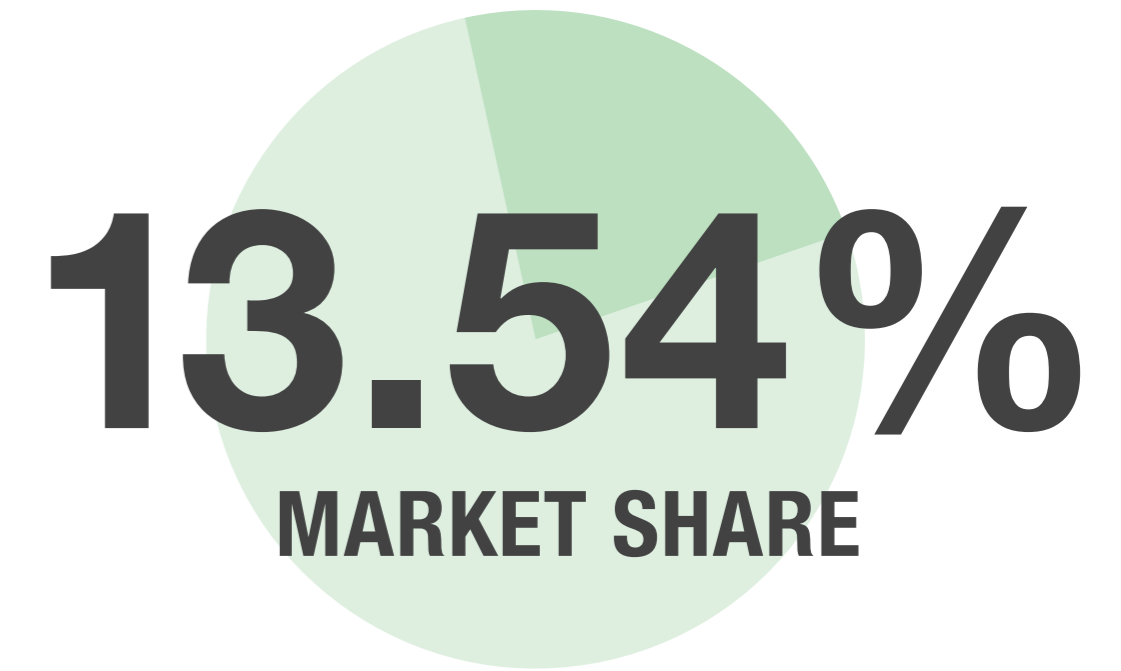
2.9
MILLION TONNES

Total tonnage of perishable cargo moved in 2016 globally

3.47
BILLION US DOLLARS

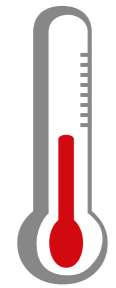
Total value of perishable cargo moved in 2016 globally

Top 10 origins for perishables by air (2016)



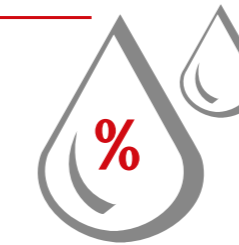
Emirates SkyCargo share of the perishables market, equivalent to 392,600 tonnes

Risks associated with perishables in transit



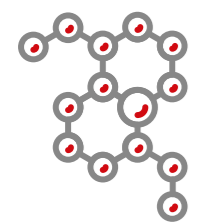
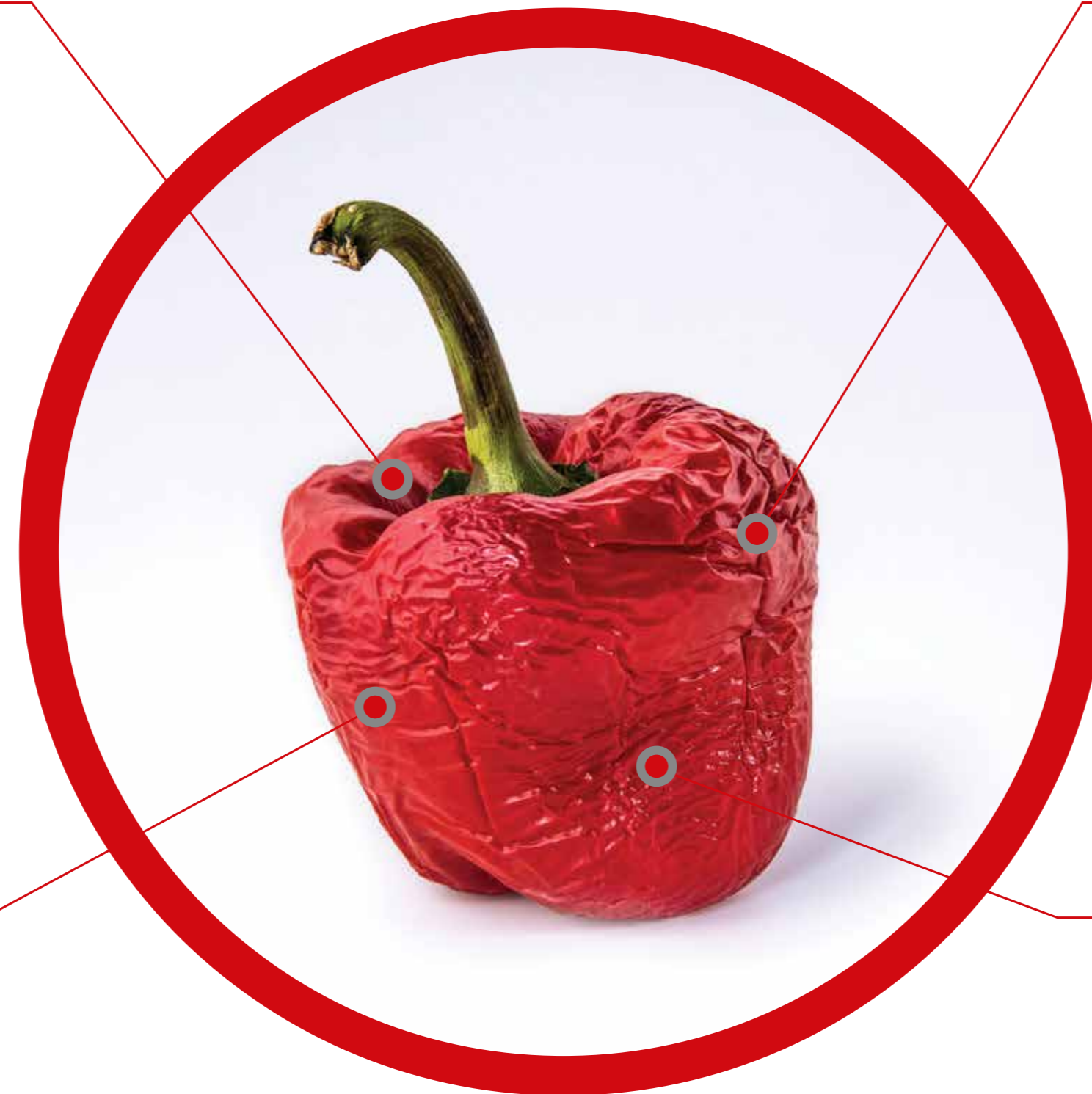
TEMPERATURE

- Too high – sets in and accelerates decay.
- Decreases shelf life of perishable produce
- Too low – leads to chilling injury and changes appearance of produce



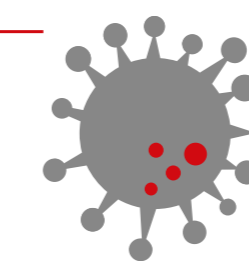
HUMIDITY

- Quickens ripening
- Exposes fresh product to pathogens and fungus



ETHYLENE

- Produce of respiration, it causes many fruits and vegetables to ripen well before their time



MECHANICAL SHOCK

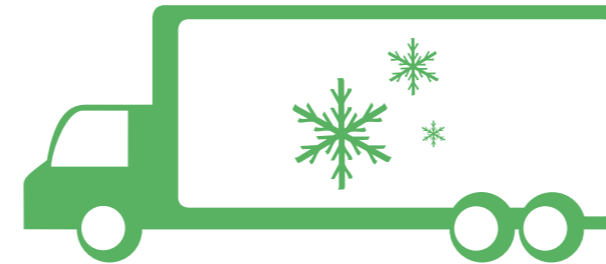
- Causes bruises and damages produce
- Promotes growth of Botrytis fungus

The right tools and implementations

TECHNOLOGY



Robust cold storage units for packing and storing

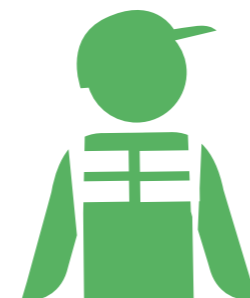


Reefer transportation to and from the airport environment



Temperature monitoring equipment to ensure minimal fluctuations

COMMUNICATION



Training of personnel

- Trained in IATA Perishable Cargo Regulations
- 24/7 access to information
- Dedicated handling team



Customer Requirements

- Ensure product details and requirements are correctly entered
- AWB executed as per Shipper's requirements

**Our freshest cool-chain
product for perishables**



Introducing the Emirates Fresh trio

Our three-tiered product addresses your concerns effectively:

We help you determine the level of temperature-protection your cargo needs and assist you in making an informed choice.



Emirates Fresh:

Everyday and general perishables with higher temperature-tolerance like fruits, vegetables and cured meat.



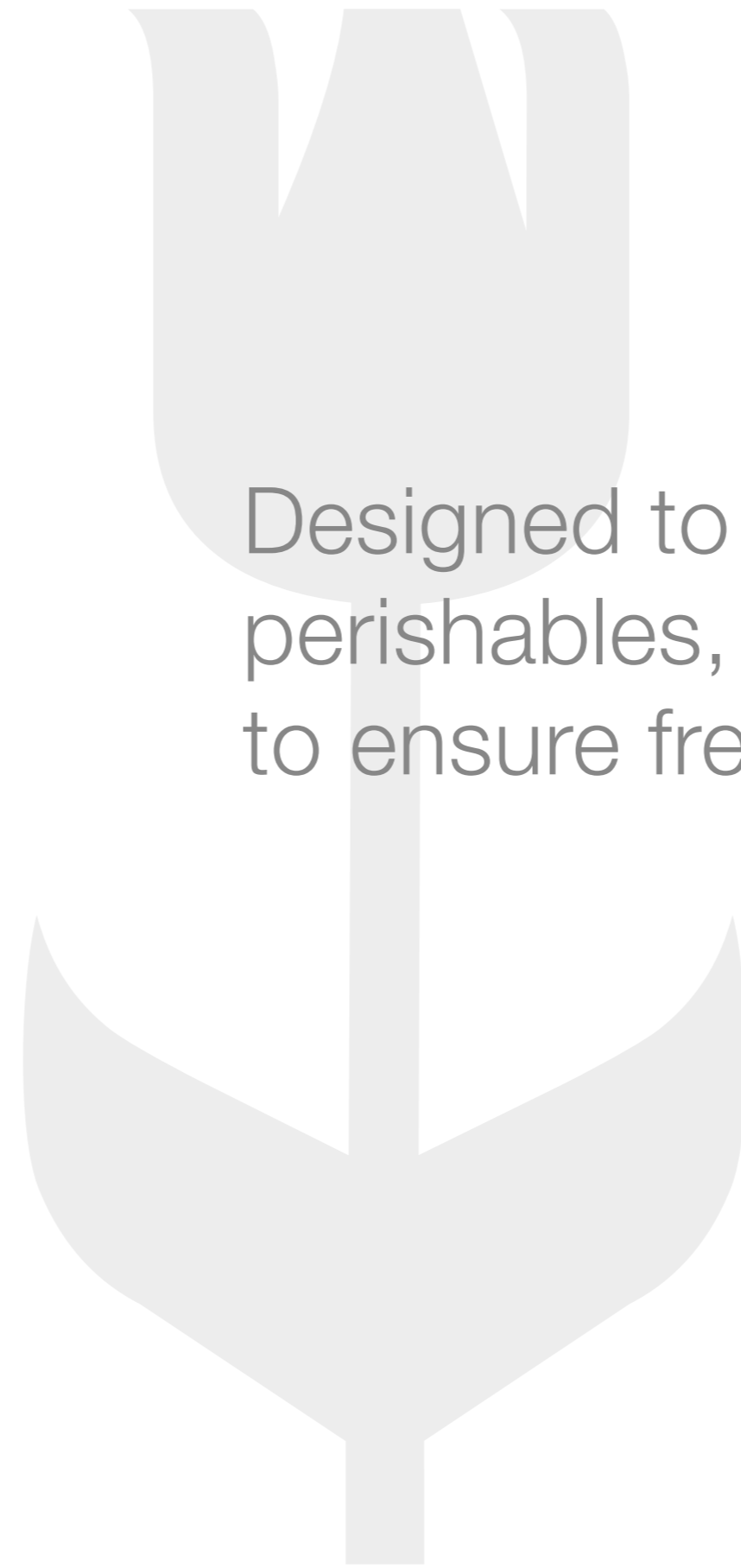
Emirates Fresh Breathe:

Ventilated cool-chain solutions for live and delicate perishables such as certain flowers, fresh-cut stems, seafood, premium meat products etc.



Emirates Fresh Active:

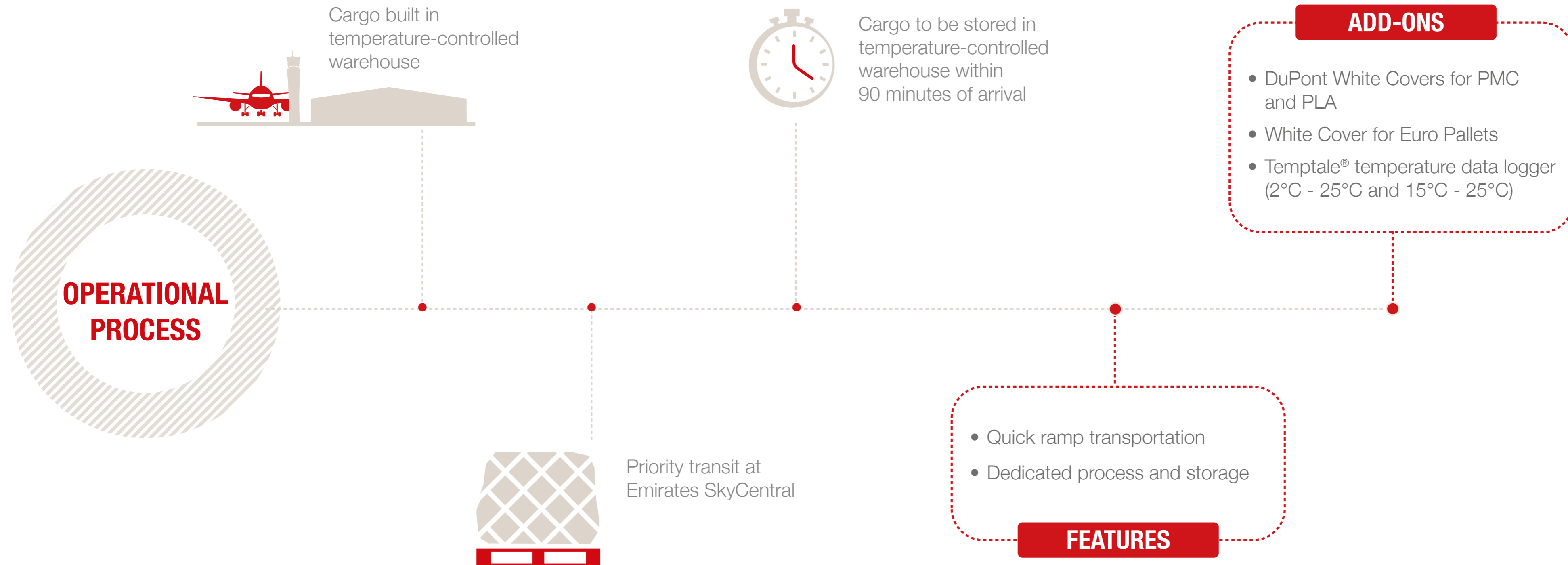
Premium solution using active containers for high-end perishables that cannot withstand the slightest temperature deviation like cheese, wine and frozen products.



Designed to handle everyday and general perishables, the add-ons are an effective way to ensure freshness is never compromised.

Emirates Fresh for uninterrupted freshness

How it works:





WO₂

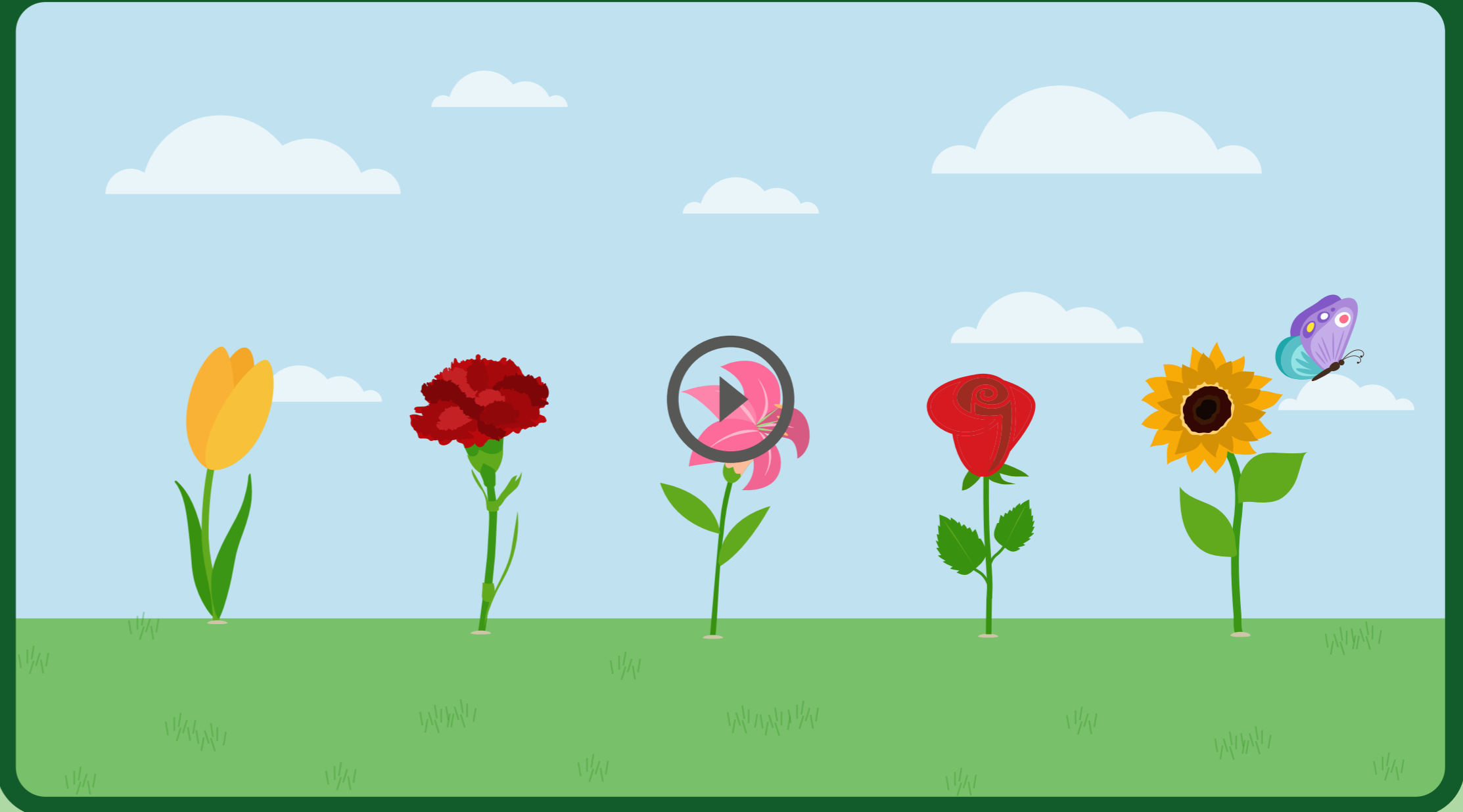
The ventilated cool dolly makes all the difference for sensitive perishables during ramp transfers.

The temperature data logger is an efficient way to monitor that the desired temperature is maintained at all times.

A flower's journey with Emirates Fresh Breathe

Emirates SkyCargo transports tonnes of flowers every year, from locations all over the globe to the world's largest flower auction market in Amsterdam and onwards. The Emirates Fresh Breathe product has been specially designed to carry extra-sensitive perishables such as flowers, with complete protection and special care.

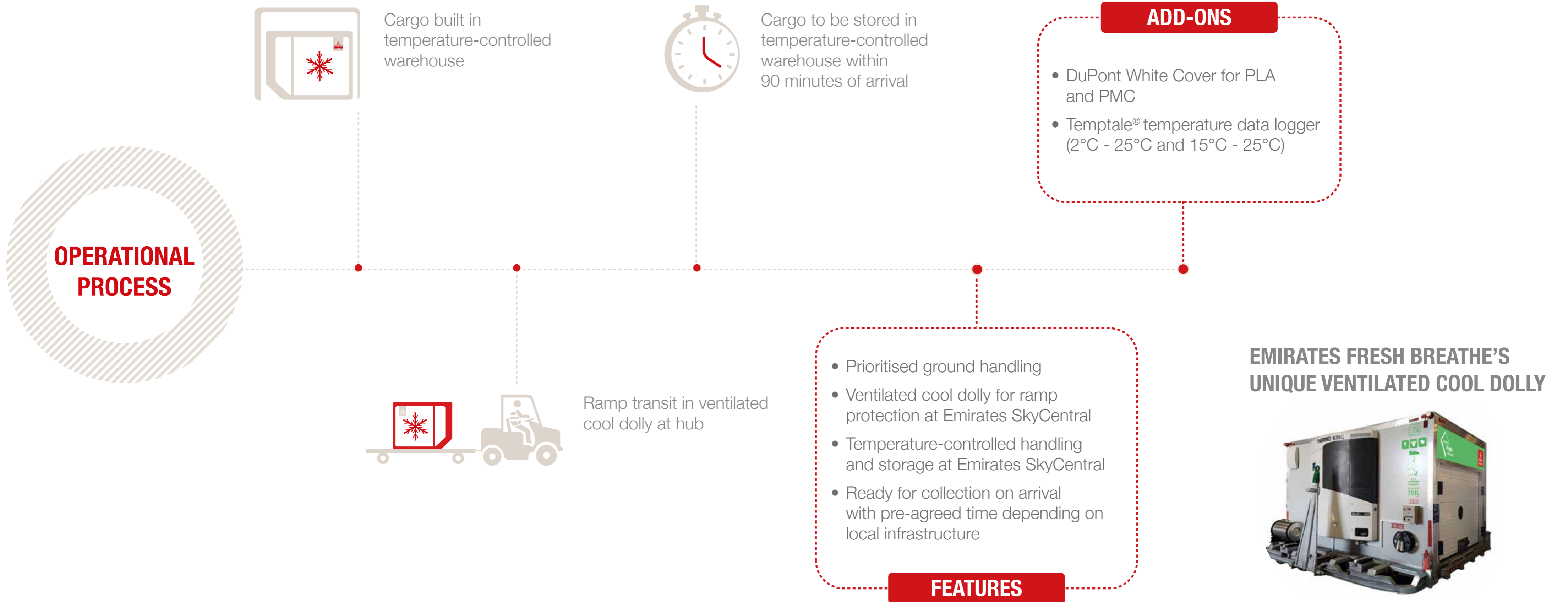
Watch this short video on a flower's journey with Emirates SkyCargo



Note: you must have an internet connection and YouTube access to watch this video

Emirates Fresh Breathe is ideal for live perishables

How it works:



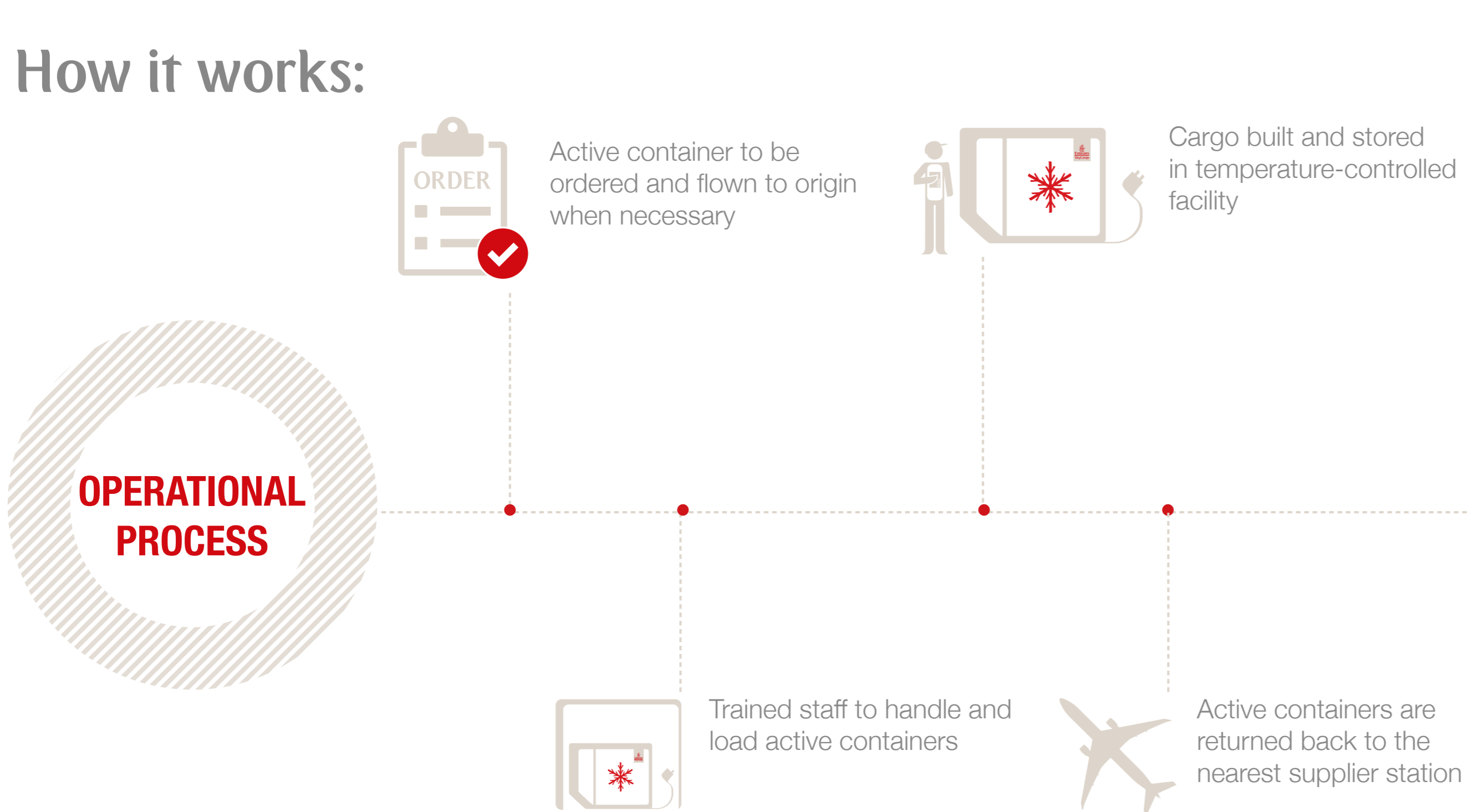


We provide active containers to most destinations based on prior booking.

Our track and trace feature as well as online temperature monitoring gives you absolute clarity throughout the journey.

Emirates Fresh Active protects highly temperature-sensitive perishables

How it works:



FEATURES

- Airport to airport transportation
- Track and trace
- Online temperature monitoring
- Flown as booked with priority handling
- Specialised storage area
- Specialised temperature-controlled containers – RKN t2, RAP t2 RKN e1 and RAP e2

ACTIVE CONTAINER BRANDS RECOMMENDED BY EMIRATES FRESH ACTIVE



Envirotainer®






CSafe



DoKasch

Product matrix

			
Dedicated Ramp Operation		✓	✓
Quick Ramp Transportation	✓	✓	✓
Protective Thermal Blankets During Ramp Transportation		✓	
Cool Dolly Services for Ramp Transportation		✓	
Dedicated Handling and Storage at Dubai HUB	✓	✓	✓
Expedited Acceptance at Origin and Delivery at Station		✓	✓
White Cover / Temp Logger / Temperature Monitoring	Add-ons*	Add-ons*	✓
Active Container			✓

*Add-ons such as White Covers and Temp Loggers need to be procured from General Distribution Centre (GDC) in Dubai at cost.

Emirates Fresh features and add-ons



Thermal Blanket:

Thermal blanket protects your temperature-sensitive cargo by stabilising the environment of the shipment, shielding it from extreme weather and temperature fluctuations.



White Cover:

Water-resistant and breathable, ideal for covering breathing commodities. Easy to take off, White Covers are environmentally friendly as well.



Ventilated Cool Dolly:

Special cool dolly that provides temporary storage during ramp transportation. It can be set to the desired temperature as per SHC.



Active Container:

Temperature-controlled containers with an active temperature control system based on compressor cooling and electric heating.

Take advantage of our unmatched support



**A GLOBAL
TEAM**
OF EXPERTS
DEDICATED
TO THE TRANSPORTATION
OF PERISHABLES



ONE
OF THE YOUNGEST
WIDE-BODIED
FLEET IN THE
WORLD



**OVER
150**
DESTINATIONS
FROM DUBAI,
MAKING THE
WORLD MARKETS
SO MUCH MORE
ACCESSIBLE



**OVER
250**
FLIGHTS DEPARTING
EVERY 24 HOURS
FROM DUBAI,
PROVIDING QUICK
TURN-AROUND

A few important points to remember whilst booking

Please remember the product codes for the three products as the codes help streamline the entire online booking and operational process. Avoid using GCR codes.

- 1 Product Code**

Emirates Fresh	PXS
Emirates Fresh Breathe	PXD
Emirates Fresh Active	PXC
- 2** Selection of optimal commodity code and temperature SHC is required to protect the perishable cargo's product integrity.
- 3** All requests for add-ons must be entered whilst booking online as this will ensure the correct action and pricing.
- 4** Active containers are required to be booked four business days in advance so we can inform you about availability and sourcing.

For more information on Emirates Fresh,
please visit [skycargo.com](https://www.skycargo.com)
or contact the Emirates SkyCargo office
on **+971 600 566 661**