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### **Hapag-Lloyd adds low-carbon refrigerant containers from Maersk Container Industry**

*The company invests in 1,000 Star Cool Integrated™ containers chilled by the environmentally friendly R513A refrigerant system.*

To maintain and expand its container fleet, Hapag-Lloyd, a global container line, has purchased 3,700 Star Cool Integrated™ containers as part of their recent reefer investments from Maersk Container Industry (MCI). Of these, 1,000 Star Cool units will be chilled by the environmentally friendly R513A refrigerant system with a Global Warming Potential (GWP) of less than 56 percent of the commonly used R134A refrigerant.

#### **Reducing carbon emissions**

Eager to support the market adaptation of more environmentally friendly refrigerants, Hapag-Lloyd is the first carrier to widely deploy the low-GWP R513A refrigerant blend recently introduced by MCI. The R513A charged Star Cool unit is addressing the environmental protection legislation for existing technology platforms introduced with, for example, the F-gas regulations in the EU.

“We are pleased to introduce another low-GWP refrigerant solution in our fleet with the first 1,000 Star Cool Integrated containers,” says Niklas Ohling, Senior Director at Hapag-Lloyd. “Reducing carbon emissions is a key objective on our sustainability agenda and we believe in the potential of environmentally friendly refrigerants as an important element in achieving this. At the same time, we have ensured in earlier field trials with MCI that the cargo quality and energy efficiency remains unaffected by the new refrigerant.”

“We share the ambition of Hapag-Lloyd to reduce its environmental impact and are happy they again have selected the Star Cool Integrated solution,” says Søren Leth Johannsen, Chief Commercial Officer at MCI. “It has been our imperative to offer a refrigerant solution that is not only better for the environment, but can also be deployed here and now, in the future, and in existing Star Cool fleets. This protects our customers’ investment and allows for a gradual change to the new technology and to legislation.”

All Star Cool units produced after July 2017 can be delivered either charged with R513A or as “R513A-optimised”, enabling a conversion to R513A at any time without modifications. All Star Cool units produced prior to July 2017 are declared “R513A-ready”, meaning that they can be adapted to run on R513A with only minor modifications.

#### **Extending market reach of fruit and vegetables**

To meet the increased demand in reefer transport, Hapag-Lloyd selected Controlled Atmosphere (CA) technology for 1,000 Star Cool Integrated containers to expand its ExtraFresh and ExtraFresh Plus services, widely regarded among the most durable CA services in the market. The CA technology slows the ripening of fruits and vegetables, allowing them to be transported over longer periods and reach their destination in optimal condition without over-ripening or decaying.

“Working together with MCI, we have been able to refine CA technology to offer our ExtraFresh Plus service,” says Niklas Ohling. “This service enables even extremely sensitive fruit such as

blueberries and lychees to be transported to the desired level of quality and degree of ripeness. With these new container orders with MCI, we are broadening our position and investing in expanding our ExtraFresh Plus offering to meet the needs of our customers worldwide.”

“Hapag-Lloyd has been instrumental in spearheading CA services into new commodities such as blueberry and lychee loads,” says Søren Leth Johannsen. “Thanks to our close and agile partnership that spans over a decade, we have been able to test CA technology on new commodities together with interested exporters and growers in Africa and South America.”

The 3,700 40-foot high-cube are currently being produced and delivered from MCI’s manufacturing facilities in China and Chile.

- ENDS -

### Notes to editors

#### **Gallery**

Images for editorial use can be downloaded [here](#)

#### **About Hapag-Lloyd**

With a fleet of 219 modern container ships and a total transport capacity of 1.6 TEU, Hapag-Lloyd is one of the world's leading liner shipping companies. The Company has around 13,000 employees and over 436 offices in 126 countries. Hapag-Lloyd has a container capacity of 2.3 million TEU – including one of the largest and most modern fleets of reefer containers. A total of 129 liner services worldwide ensure fast and reliable connections between more than 600 ports on all the continents. Hapag-Lloyd is one of the leading operators in the Transatlantic, Middle East, Latin America and Intra-America trades.

#### **About Maersk Container Industry**

Maersk Container Industry (MCI) develops and manufactures refrigerated containers, dry containers and the Star Cool™ refrigeration machine for the intermodal industry, including shipping lines, fruit multinationals and leasing companies. Widely recognised as the most energy-efficient reefer, the Star Cool Integrated™ reefer features innovative technologies such as Controlled Atmosphere (CA). The company employs around 5,000 employees. It has R&D and engineering test facilities in Denmark, two production facilities in China and one in Chile, as well as a global network of 400 service providers. Building on a heritage of more than 100 years in shipping and strong core values, MCI is part of the Transport and Logistics division of A.P. Moller - Maersk. For further information, visit [www.mcicontainers.com](http://www.mcicontainers.com)

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