



## Event Highlights

On **November 20, 2014**, Carrier convened the inaugural World Cold Chain Summit in London, bringing together 65 economists, engineers, journalists and players in the cold chain industry from 12 countries.

Farming is the largest human endeavor on earth, using **38 percent** of our ice-free land, **70 percent** of all fresh water, and creating **14 percent** of the world's greenhouse gas emissions.

United Technologies' Carrier and Otis brands have played important roles in the urbanization of the world, and since the 1930s **Carrier has been a major player in both air conditioning and the cold chain.**

**37 percent** of food is wasted at the consumer level while **63 percent** of food waste occurs at some stage of production, transportation, storage or in the marketplace.

Investment in the cold chain—customized cooling of all kinds, in all markets—turns out to be one of the **single best investments** in food preservation.

A University of Nottingham study concluded that food loss could be reduced by **improving infrastructure and implementing a cold chain** in emerging markets.

The barriers to change are significant and include fear of liability, lack of transportation infrastructure, fear of reliability and fear of added cost.

**One-third** or more of all food produced never makes it to consumers.

Increased data and regulation will help drive **standards and improvements** in cold chain practices throughout mature cold chains.

Food waste embodied CO<sub>2</sub> – including fuel and power used to grow and package – amounted to **3.3B metric tons of CO<sub>2</sub> per year**, third to China and the US as a greenhouse gas emitter.

In India, preliminary results suggest that through the application of cold chain technology in India, we can potentially **reduce food loss by 30-35 percent**, which if properly applied could help to reduce the number of undernourished people in India by approximately **35-50 million**.

We can meet the needs of a growing planet: **Waste less, feed more**, with measurable and tangible benefits to the economy and environment.

The defining challenge of the **21st century** is how to deliver food security in a **sustainable way** to a growing planet.

