

SUCCESS STORY

# How One Multinational Food & Beverage Company is Reducing Global Emissions – at No Additional Cost



In 2017, Mondelēz International engaged 3Degrees for assistance meeting an ambitious goal: reducing its absolute greenhouse gas emissions vs. a historic base year in each

of its four global operating regions. The company thinks of emissions reductions in a virtuous cycle, progressing through usage reduction, on-site consumption from low and zero carbon sources, cost effective solutions that don't require a change in the supply chain and, finally, off-site renewable solutions to help close any remaining gap. Mondelēz International had been making steady progress through energy efficiency and other on-site solutions, but needed additional reductions to achieve its goals. 3Degrees was hired for a three-year engagement to establish a strategy to achieve the company's goals across all regions and to support the regional teams' resulting implementation.

## Challenges

We knew that Mondelēz International's needs were complex, but we were up to the task and readily accepted the challenge. The company's ambitious requirements included: the reductions needed to be in place for calendar year 2020 reporting; each region must meet the goal independently; each implementation solution must have a cost-neutral or cost-saving economic profile; and no unbundled instruments such as RECs or GOs could be used.

## How we helped

3Degrees began the engagement by identifying emissions hotspots across Mondelēz International's global operations, then assessed specific countries where it could get the "best bang for their carbon buck". For example, we looked for opportunities where one solution could address multiple issues, thus optimizing the company's resources. We honed in on four areas that looked to be the most promising in meeting Mondelēz International's goals:

On-site solar

Combined heat and power solutions (CHP)

Green retail (in deregulated markets)

Off-site renewable solutions



## COMPANY GOALS



Reductions in absolute GHG emissions in four global regions - in place for 2020 reporting



Meet each region's goal independently



Each solution must be cost-neutral or cost-saving



Avoid unbundled RECs or GOs



For each one of these prospective solutions, 3Degrees conducted a comprehensive analysis that was specific to each region and its target reduction goals. The analysis also included an assessment of specific facilities in the region whose emissions profiles were sufficiently large to allow for a meaningful contribution to the goal should a reduction solution be pursued. We then mapped solutions to each facility, taking into account regional policy environments, resource availability, vendor landscape, project economics, and other factors.

### **Results**

3Degrees delivered a global strategy roadmap that will enable Mondelez International to meet its emissions reduction goals in all four regions by the company's 2020 target, with solutions that are cost-neutral or better. In some regions, multiple implementation options are available and the company's regional teams are engaged in final alignment discussions; in other regions, implementation work has already begun. 3Degrees is supporting these implementations, as well as needed changes in Mondelez International's greenhouse gas accounting practices to correctly quantify the resulting reductions.

***Read more at [3Degrees.com](http://3Degrees.com)***

At 3Degrees, our business is our mission. We make it possible for businesses and their customers to take urgent action on climate change. As a certified B Corporation, we provide renewable energy and emission reduction solutions to Fortune 500 companies, utilities, universities, green building firms, and other organizations. Headquartered in San Francisco, 3Degrees serves clients around the world.



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“This was an ambitious assignment because Mondelez International's needs were complex and global in nature. But we were up to the challenge and feel very positive about the global strategy road map we were able to deliver and the significant emissions reductions that will come as a result.”

**ERIN CRAIG**

*VP, Energy and Climate Practice,  
3Degrees*