

# Fast-tracking industrial decarbonization

Multinational plastics leader modernizes 16 sites without upfront capital investment.

## Challenge

### Bold GHG emissions targets, but limited capital and bandwidth

A leading multinational plastics manufacturer had a bold vision: it wanted to cut 53,000 metric tons of CO<sub>2</sub> by 2030 to meet its corporate GHG emissions target. But achieving that goal across a sprawling portfolio of aging facilities—without slowing down operations or tying up capital to carry out those upgrades—posed a significant challenge.

The company needed more than funding; it required an infrastructure monetization partner that could execute fast, deliver measurable outcomes, and scale impact across borders.

## Solution

### Fully funded, turnkey execution—purpose-built for industrial portfolios

The plastics manufacturer chose to partner with Redaptive for our ability to accelerate sustainability goals across multiple sites with tailored, zero-capital financing. Our team conducted detailed on-site assessments across 16 facilities, identifying over 100 energy efficiency opportunities, including advanced lighting upgrades, mechanical system optimizations, solar installations, and process equipment improvements.

Redaptive provided \$12 million in project financing and began to execute the infrastructure modernization projects, ensuring minimal disruption to operations. This financing model allowed the manufacturer to preserve its CapEx budget while making critical infrastructure upgrades that would support its 2030 goal.

## \$24M

10-year gross energy  
+ maintenance savings

## 153.5M

10-year reduction in  
kWh consumption

## 66K

MeT CO<sub>2</sub>e avoided  
over 10 years

## \$12M

CapEx avoided

## 3M

Square footage addressed

## Results

### Immediate energy savings with long-term environmental impact

The project significantly cut lighting-related energy use and operational costs while improving sustainability performance. Over the next 10 years, the upgraded infrastructure is expected to avoid 83,500 metric tons of CO<sub>2</sub> emissions, equivalent to removing 194,190 barrels of oil or the annual emissions of 16,250 homes.